Package ‘muiMaterial’

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Type Package

Title 'Material UI' for 'shiny' Apps and 'Quarto'

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Description A set of user interface components for building 'shiny' applications and 'quarto' documents, including inputs, layouts, navigation, surfaces, and various utilities. All components 'Material UI' from the company 'MUI' <https://mui.com/> are available and all inputs have usage examples in R.

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Imports htmltools, checkmate, shiny, shiny.react (>= 0.4.0)

Suggests reactRouter, shiny.router, testthat (>= 3.0.0)

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URL https://felixluginbuhl.com/muiMaterial/

BugReports https://github.com/lgnbhl/muiMaterial/issues

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Repository CRAN

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Contents

Accordion *Accordion*

Description

https://mui.com/material-ui/api/accordion/

Usage

```
Accordion(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- defaultExpanded `bool`
  Default is FALSE If true, expands the accordion by default.
- disabled `bool`
  Default is FALSE If true, the component is disabled.
- disableGutters `bool`
  Default is FALSE If true, it removes the margin between two expanded accordion items and the increase of height.
- expanded `bool`
  Default is - If true, expands the accordion, otherwise collapse it. Setting this prop enables control over the accordion.
- onChange `func`
  Default is - Callback fired when the expand/collapse state is changed.Signature:function(event: React.SyntheticEvent, expanded: boolean) = voidevent The event source of the callback. Warning: This is a generic event not a change event.expanded The expanded state of the accordion.
- slotProps `{ heading?: func| object, root?: func| object, transition?: func| object }`
  Default is The props used for each slot inside.
- slots `{ heading?: elementType, root?: elementType, transition?: elementType }`
  Default is The components used for each slot inside.
- square `bool`
  Default is FALSE If true, rounded corners are disabled.

- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- TransitionComponent `elementType`
  Default is - The component used for the transition. Follow this guide to learn more about the requirements for this component.Deprecated Use slots.transition instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- TransitionProps `object`
  Default is - Props applied to the transition element. By default, the element is based on this Transition component.Deprecated Use slotProps.transition instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`AccordionActions` *AccordionActions*

Description

https://mui.com/material-ui/api/accordion-actions/

Usage

```
AccordionActions(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- disableSpacing `bool`
  Default is FALSE If true, the actions do not have additional margin.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`AccordionDetails` *AccordionDetails*

Description

https://mui.com/material-ui/api/accordion-details/

Usage

```
AccordionDetails(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children node
  Default is NA The content of the component.
- classes `object`
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.
- sx `Array func| object| bool | func| object`
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`AccordionSummary` *AccordionSummary*

Description

https://mui.com/material-ui/api/accordion-summary/

Usage

```
AccordionSummary(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- expandIcon `node`
  Default is - The icon to display as the expand indicator.
- focusVisibleClassName `string`
  Default is - This prop can help identify which element has keyboard focus. The class name will be applied when the element gains the focus through keyboard interaction. It's a polyfill for the CSS :focus-visible selector. The rationale for using this feature is explained here. A polyfill can be used to apply a focus-visible class to other components if needed.
- slotProps `{ content?: func| object, expandIconWrapper?: func| object, root?: func| object }`
  Default is The props used for each slot inside.
- slots `{ content?: elementType, expandIconWrapper?: elementType, root?: elementType }`
  Default is The components used for each slot inside.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Alert` *Alert*

Description

https://mui.com/material-ui/api/alert/

Usage

```
Alert(...)
```

Arguments

`...`	Props to pass to the component.

Details

- action `node`
  Default is - The action to display. It renders after the message, at the end of the alert.
- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- closeText `string`
  Default is 'Close' Override the default label for the close popup icon button.For localization purposes, you can use the provided translations.
- color `'error'| 'info'| 'success'| 'warning'| string`
  Default is - The color of the component. Unless provided, the value is taken from the severity prop. It supports both default and custom theme colors, which can be added as shown in the palette customization guide.
- components `{ CloseButton?: elementType, CloseIcon?: elementType }`
  Default is The components used for each slot inside.Deprecated use the slots prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- componentsProps `{ closeButton?: object, closeIcon?: object }`
  Default is The extra props for the slot components. You can override the existing props or add new ones.Deprecated use the slotProps prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- icon `node`
  Default is - Override the icon displayed before the children. Unless provided, the icon is mapped to the value of the severity prop. Set to false to remove the icon.
- iconMapping `{ error?: node, info?: node, success?: node, warning?: node }`
  Default is - The component maps the severity prop to a range of different icons, for instance success to successoutlined. If you wish to change this mapping, you can provide your own. Alternatively, you can use the icon prop to override the icon displayed.
- onClose `func`
  Default is - Callback fired when the component requests to be closed. When provided and no action prop is set, a close icon button is displayed that triggers the callback when clicked.Signature:function(event: React.SyntheticEvent) = voidevent The event source of the callback.
- role `string`
  Default is 'alert' The ARIA role attribute of the element.
- severity `'error'| 'info'| 'success'| 'warning'| string`
  Default is 'success' The severity of the alert. This defines the color and icon used.
- slotProps `{ action?: func| object, closeButton?: func| object, closeIcon?: func| object, icon?: func|`
  Default is The props used for each slot inside.
- slots `{ action?: elementType, closeButton?: elementType, closeIcon?: elementType, icon?: elementType`
  Default is The components used for each slot inside.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

- variant `'filled'| 'outlined'| 'standard'| string`
  Default is ’standard’ The variant to use.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`AlertTitle` *AlertTitle*

Description

https://mui.com/material-ui/api/alert-title/

Usage

```
AlertTitle(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children node
  Default is NA The content of the component.
- classes `object`
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.
- sx `Array func| object| bool | func| object`
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

AppBar *AppBar*

Description

https://mui.com/material-ui/api/app-bar/

Usage

```
AppBar(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'default'| 'inherit'| 'primary'| 'secondary'| 'transparent'| 'error'| 'info'| 'success'| 'warning'| string`
  Default is 'primary' The color of the component. It supports both default and custom theme colors, which can be added as shown in the palette customization guide.
- enableColorOnDark `bool`
  Default is FALSE If true, the color prop is applied in dark mode.
- position `'absolute'| 'fixed'| 'relative'| 'static'| 'sticky'`
  Default is 'fixed' The positioning type. The behavior of the different options is described in the MDN web docs. Note: sticky is not universally supported and will fall back to static when unavailable.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Autocomplete *Autocomplete*

Description

https://mui.com/material-ui/api/autocomplete/

Usage

```
Autocomplete(...)

Autocomplete.shinyInput(inputId, ..., value = defaultValue)

updateAutocomplete.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)
```

Arguments

`...`	Props to pass to the component.
`inputId`	ID of the component.
`value`	Starting value.
`session`	Object passed as the ‘session‘ argument to Shiny server.

Details

- options `array`
  Default is - A list of options that will be shown in the Autocomplete.
- renderInput `func`
  Default is - Render the input.Signature:function(params: object) = ReactNode
- autoComplete `bool`
  Default is FALSE If true, the portion of the selected suggestion that the user hasn’t typed, known as the completion string, appears inline after the input cursor in the textbox. The inline completion string is visually highlighted and has a selected state.
- autoHighlight `bool`
  Default is FALSE If true, the first option is automatically highlighted.
- autoSelect `bool`
  Default is FALSE If true, the selected option becomes the value of the input when the Autocomplete loses focus unless the user chooses a different option or changes the character string in the input.When using the freeSolo mode, the typed value will be the input value if the Autocomplete loses focus without highlighting an option.

- blurOnSelect `'mouse'| 'touch'| bool`
  Default is FALSE Control if the input should be blurred when an option is selected: false the input is not blurred. true the input is always blurred. touch the input is blurred after a touch event. mouse the input is blurred after a mouse event.
- ChipProps `object`
  Default is - Props applied to the Chip element.Deprecated Use slotProps.chip instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- clearIcon `node`
  Default is ClearIcon fontSize="small". The icon to display in place of the default clear icon.
- clearOnBlur `bool`
  Default is !props.freeSolo If true, the input's text is cleared on blur if no value is selected.Set it to true if you want to help the user enter a new value. Set it to false if you want to help the user resume their search.
- clearOnEscape `bool`
  Default is FALSE If true, clear all values when the user presses escape and the popup is closed.
- clearText `string`
  Default is 'Clear' Override the default text for the clear icon button.For localization purposes, you can use the provided translations.
- closeText `string`
  Default is 'Close' Override the default text for the close popup icon button.For localization purposes, you can use the provided translations.
- componentsProps `{ clearIndicator?: object, paper?: object, popper?: object, popupIndicator?: object`
  Default is - The props used for each slot inside.Deprecated Use the slotProps prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- defaultValue `any`
  Default is props.multiple ? [] : null The default value. Use when the component is not controlled.
- disableClearable `bool`
  Default is FALSE If true, the input can't be cleared.
- disableCloseOnSelect `bool`
  Default is FALSE If true, the popup won't close when a value is selected.
- disabled `bool`
  Default is FALSE If true, the component is disabled.
- disabledItemsFocusable `bool`
  Default is FALSE If true, will allow focus on disabled items.
- disableListWrap `bool`
  Default is FALSE If true, the list box in the popup will not wrap focus.
- disablePortal `bool`
  Default is FALSE If true, the Popper content will be under the DOM hierarchy of the parent component.

- filterOptions `func`
  Default is createFilterOptions() A function that determines the filtered options to be rendered on search.Signature:function(options: Array, state: object) = Arrayoptions The options to render.state The state of the component.
- filterSelectedOptions `bool`
  Default is FALSE If true, hide the selected options from the list box.
- forcePopupIcon `'auto'| bool`
  Default is 'auto' Force the visibility display of the popup icon.
- freeSolo `bool`
  Default is FALSE If true, the Autocomplete is free solo, meaning that the user input is not bound to provided options.
- fullWidth `bool`
  Default is FALSE If true, the input will take up the full width of its container.
- getLimitTagsText `func`
  Default is (more) = `+$more` The label to display when the tags are truncated (limitTags).Signature:function(more: number) = ReactNodemore The number of truncated tags.
- getOptionDisabled `func`
  Default is - Used to determine the disabled state for a given option.Signature:function(option: Value) = booleanoption The option to test.
- getOptionKey `func`
  Default is - Used to determine the key for a given option. This can be useful when the labels of options are not unique (since labels are used as keys by default).Signature:function(option: Value) = string | numberoption The option to get the key for.
- getOptionLabel `func`
  Default is (option) = option.label ?? option Used to determine the string value for a given option. It's used to fill the input (and the list box options if renderOption is not provided).If used in free solo mode, it must accept both the type of the options and a string.Signature:function(option: Value) = string
- groupBy `func`
  Default is - If provided, the options will be grouped under the returned string. The groupBy value is also used as the text for group headings when renderGroup is not provided.Signature:function(option: Value) = stringoption The Autocomplete option.
- handleHomeEndKeys `bool`
  Default is !props.freeSolo If true, the component handles the "Home" and "End" keys when the popup is open. It should move focus to the first option and last option, respectively.
- id `string`
  Default is - This prop is used to help implement the accessibility logic. If you don't provide an id it will fall back to a randomly generated one.
- includeInputInList `bool`
  Default is FALSE If true, the highlight can move to the input.
- inputValue `string`
  Default is - The input value.
- isOptionEqualToValue `func`
  Default is - Used to determine if the option represents the given value. Uses strict equality by default. Both arguments need to be handled, an option can only match with one

value.Signature:function(option: Value, value: Value) = booleanoption The option to test.value The value to test against.

- limitTags `integer`
  Default is -1 The maximum number of tags that will be visible when not focused. Set -1 to disable the limit.
- ListboxComponent `elementType`
  Default is 'ul' The component used to render the listbox.Deprecated Use slotProps.listbox.component instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- ListboxProps `object`
  Default is - Props applied to the Listbox element.Deprecated Use slotProps.listbox instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- loading `bool`
  Default is FALSE If true, the component is in a loading state. This shows the loadingText in place of suggestions (only if there are no suggestions to show, for example options are empty).
- loadingText `node`
  Default is 'Loading80' Text to display when in a loading state.For localization purposes, you can use the provided translations.
- multiple `bool`
  Default is FALSE If true, value must be an array and the menu will support multiple selections.
- noOptionsText `node`
  Default is 'No options' Text to display when there are no options.For localization purposes, you can use the provided translations.
- onChange `func`
  Default is - Callback fired when the value changes.Signature:function(event: React.SyntheticEvent, value: Value | Array, reason: string, details?: string) = voidevent The event source of the callback.value The new value of the component.reason One of "createOption", "selectOption", "removeOption", "blur" or "clear".
- onClose `func`
  Default is - Callback fired when the popup requests to be closed. Use in controlled mode (see open).Signature:function(event: React.SyntheticEvent, reason: string) = voidevent The event source of the callback.reason Can be: "toggleInput", "escape", "selectOption", "removeOption", "blur".
- onHighlightChange `func`
  Default is - Callback fired when the highlight option changes.Signature:function(event: React.SyntheticEvent, option: Value, reason: string) = voidevent The event source of the callback.option The highlighted option.reason Can be: "keyboard", "mouse", "touch".
- onInputChange `func`
  Default is - Callback fired when the input value changes.Signature:function(event: React.SyntheticEvent, value: string, reason: string) = voidevent The event source of the callback.value The new value of the text input.reason Can be: "input" (user input), "reset" (programmatic change), "clear", "blur", "selectOption", "removeOption"
- onOpen `func`
  Default is - Callback fired when the popup requests to be opened. Use in controlled mode

(see open).Signature:function(event: React.SyntheticEvent) = voidevent The event source of the callback.

- open `bool`
  Default is - If true, the component is shown.
- openOnFocus `bool`
  Default is FALSE If true, the popup will open on input focus.
- openText `string`
  Default is 'Open' Override the default text for the open popup icon button.For localization purposes, you can use the provided translations.
- PaperComponent `elementType`
  Default is Paper The component used to render the body of the popup.Deprecated Use slots.paper instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- PopperComponent `elementType`
  Default is Popper The component used to position the popup.Deprecated Use slots.popper instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- popupIcon `node`
  Default is ArrowDropDownIcon. The icon to display in place of the default popup icon.
- readOnly `bool`
  Default is FALSE If true, the component becomes readonly. It is also supported for multiple tags where the tag cannot be deleted.
- renderGroup `func`
  Default is - Render the group.Signature:function(params: AutocompleteRenderGroupParams) = ReactNodeparams The group to render.
- renderOption `func`
  Default is - Render the option, use getOptionLabel by default.Signature:function(props: object, option: Value, state: object, ownerState: object) = ReactNodeprops The props to apply on the li element.option The option to render.state The state of each option.ownerState The state of the Autocomplete component.
- renderTags `func`
  Default is - Render the selected value.Signature:function(value: Array, getTagProps: function, ownerState: object) = ReactNodevalue The value provided to the component.getTagProps A tag props getter.ownerState The state of the Autocomplete component.
- selectOnFocus `bool`
  Default is !props.freeSolo If true, the input's text is selected on focus. It helps the user clear the selected value.
- size `'small'| 'medium'| string`
  Default is 'medium' The size of the component.
- slotProps `{ chip?: func| object, clearIndicator?: func| object, listbox?: func| object, paper?: func|`
  Default is The props used for each slot inside.
- slots `{ listbox?: elementType, paper?: elementType, popper?: elementType }`
  Default is The components used for each slot inside.

- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- value `any`
  Default is - The value of the autocomplete.The value must have reference equality with the option in order to be selected. You can customize the equality behavior with the isOptionEqualToValue prop.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Avatar` *Avatar*

Description

`https://mui.com/material-ui/api/avatar/`

Usage

```
Avatar(...)
```

Arguments

`...`	Props to pass to the component.

Details

- alt `string`
  Default is - Used in combination with src or srcSet to provide an alt attribute for the rendered img element.
- children `node`
  Default is - Used to render icon or text elements inside the Avatar if src is not set. This can be an element, or just a string.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- imgProps `object`
  Default is - Attributes applied to the img element if the component is used to display an image. It can be used to listen for the loading error event.Deprecated Use slotProps.img instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.

- sizes `string`
  Default is - The sizes attribute for the img element.
- slotProps `{ img?: func| object }`
  Default is The props used for each slot inside.
- slots `{ img?: elementType }`
  Default is The components used for each slot inside.
- src `string`
  Default is - The src attribute for the img element.
- srcSet `string`
  Default is - The srcSet attribute for the img element. Use this attribute for responsive image display.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- variant `'circular'| 'rounded'| 'square'| string`
  Default is 'circular' The shape of the avatar.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

AvatarGroup *AvatarGroup*

Description

https://mui.com/material-ui/api/avatar-group/

Usage

```
AvatarGroup(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - The avatars to stack.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.

- componentsProps `{ additionalAvatar?: object }`
  Default is - The extra props for the slot components. You can override the existing props or add new ones.This prop is an alias for the slotProps prop.Deprecated use the slotProps prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- max `number`
  Default is 5 Max avatars to show before +x.
- renderSurplus `func`
  Default is - custom renderer of extraAvatarsSignature:function(surplus: number) = React.ReactNodesurplus number of extra avatarsReturns: custom element to display
- slotProps `{ additionalAvatar?: object, surplus?: func| object }`
  Default is The props used for each slot inside.
- slots `{ surplus?: elementType }`
  Default is The components used for each slot inside.
- spacing `'medium'| 'small'| number`
  Default is 'medium' Spacing between avatars.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- total `number`
  Default is children.length The total number of avatars. Used for calculating the number of extra avatars.
- variant `'circular'| 'rounded'| 'square'| string`
  Default is 'circular' The variant to use.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Backdrop` *Backdrop*

Description

https://mui.com/material-ui/api/backdrop/

Usage

```
Backdrop(...)
```

Arguments

`...`	Props to pass to the component.

Details

- open `bool`
  Default is - If true, the component is shown.
- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- components `{ Root?: elementType }`
  Default is The components used for each slot inside.Deprecated Use the slots prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- componentsProps `{ root?: object }`
  Default is The extra props for the slot components. You can override the existing props or add new ones.Deprecated Use the slotProps prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- invisible `bool`
  Default is FALSE If true, the backdrop is invisible. It can be used when rendering a popover or a custom select component.
- slotProps `{ root?: func| object, transition?: func| object }`
  Default is The props used for each slot inside.
- slots `{ root?: elementType, transition?: elementType }`
  Default is The components used for each slot inside.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- TransitionComponent `elementType`
  Default is Fade The component used for the transition. Follow this guide to learn more about the requirements for this component.Deprecated Use slots.transition instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- transitionDuration `number| { appear?: number, enter?: number, exit?: number }`
  Default is - The duration for the transition, in milliseconds. You may specify a single timeout for all transitions, or individually with an object.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Badge *Badge*

Description

https://mui.com/material-ui/api/badge/

Usage

```
Badge(...)
```

Arguments

`...`	Props to pass to the component.

Details

- anchorOrigin `{ horizontal?: 'left'| 'right', vertical?: 'bottom'| 'top' }`
  Default is vertical: 'top', horizontal: 'right', The anchor of the badge.
- badgeContent `node`
  Default is - The content rendered within the badge.
- children `node`
  Default is - The badge will be added relative to this node.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'default'| 'primary'| 'secondary'| 'error'| 'info'| 'success'| 'warning'| string`
  Default is 'default' The color of the component. It supports both default and custom theme colors, which can be added as shown in the palette customization guide.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- components `{ Badge?: elementType, Root?: elementType }`
  Default is The components used for each slot inside.Deprecated use the slots prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- componentsProps `{ badge?: func| object, root?: func| object }`
  Default is The extra props for the slot components. You can override the existing props or add new ones.Deprecated use the slotProps prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- invisible `bool`
  Default is FALSE If true, the badge is invisible.
- max `number`
  Default is 99 Max count to show.

- overlap `'circular'| 'rectangular'`
  Default is ’rectangular’ Wrapped shape the badge should overlap.
- showZero `bool`
  Default is FALSE Controls whether the badge is hidden when badgeContent is zero.
- slotProps `{ badge?: func| object, root?: func| object }`
  Default is The props used for each slot inside the Badge.
- slots `{ badge?: elementType, root?: elementType }`
  Default is The components used for each slot inside the Badge. Either a string to use a HTML element or a component.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- variant `'dot'| 'standard'| string`
  Default is ’standard’ The variant to use.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`BottomNavigation` *BottomNavigation*

Description

https://mui.com/material-ui/api/bottom-navigation/

Usage

```
BottomNavigation(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.

- onChange `func`
  Default is - Callback fired when the value changes.Signature:function(event: React.SyntheticEvent, value: any) = voidevent The event source of the callback. Warning: This is a generic event not a change event.value We default to the index of the child.
- showLabels `bool`
  Default is FALSE If true, all BottomNavigationActions will show their labels. By default, only the selected BottomNavigationAction will show its label.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- value `any`
  Default is - The value of the currently selected BottomNavigationAction.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`BottomNavigationAction`

BottomNavigationAction

Description

https://mui.com/material-ui/api/bottom-navigation-action/

Usage

```
BottomNavigationAction(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `unsupportedProp`
  Default is NA This prop isn't supported. Use the component prop if you need to change the children structure.
- classes `object`
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.
- icon `node`
  Default is NA The icon to display.
- label `node`
  Default is NA The label element.

- showLabel `bool`
  Default is NA If true, the BottomNavigationAction will show its label. By default, only the selected BottomNavigationAction inside BottomNavigation will show its label.The prop defaults to the value (false) inherited from the parent BottomNavigation component.
- sx `Array func| object| bool | func| object`
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- value `any`
  Default is NA You can provide your own value. Otherwise, we fallback to the child position index.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Box *Box*

Description

https://mui.com/material-ui/api/box/

Usage

```
Box(...)
```

Arguments

`...`	Props to pass to the component.

Details

- component `elementType`
  Default is NA The component used for the root node. Either a string to use a HTML element or a component.
- sx `Array func| object| bool | func| object`
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Breadcrumbs` *Breadcrumbs*

Description

https://mui.com/material-ui/api/breadcrumbs/

Usage

```
Breadcrumbs(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- expandText `string`
  Default is 'Show path' Override the default label for the expand button.For localization purposes, you can use the provided translations.
- itemsAfterCollapse `integer`
  Default is 1 If max items is exceeded, the number of items to show after the ellipsis.
- itemsBeforeCollapse `integer`
  Default is 1 If max items is exceeded, the number of items to show before the ellipsis.
- maxItems `integer`
  Default is 8 Specifies the maximum number of breadcrumbs to display. When there are more than the maximum number, only the first itemsBeforeCollapse and last itemsAfterCollapse will be shown, with an ellipsis in between.
- separator `node`
  Default is '/' Custom separator node.
- slotProps `{ collapsedIcon?: func| object }`
  Default is The props used for each slot inside the Breadcumb.
- slots `{ CollapsedIcon?: elementType }`
  Default is The components used for each slot inside the Breadcumb. Either a string to use a HTML element or a component.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Button` *Button*

Description

https://mui.com/material-ui/api/button/

Usage

```
Button(...)

Button.shinyInput(inputId, ...)

updateButton.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)
```

Arguments

`...`	Props to pass to the component.
`inputId`	ID of the component.
`session`	Object passed as the ‘session‘ argument to Shiny server.

Details

- children node
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'inherit'| 'primary'| 'secondary'| 'success'| 'error'| 'info'| 'warning'| string`
  Default is 'primary' The color of the component. It supports both default and custom theme colors, which can be added as shown in the palette customization guide.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- disabled `bool`
  Default is FALSE If true, the component is disabled.

- disableElevation `bool`
  Default is FALSE If true, no elevation is used.
- disableFocusRipple `bool`
  Default is FALSE If true, the keyboard focus ripple is disabled.
- disableRipple `bool`
  Default is FALSE If true, the ripple effect is disabled. Without a ripple there is no styling for :focus-visible by default. Be sure to highlight the element by applying separate styles with the .Mui-focusVisible class.
- endIcon `node`
  Default is - Element placed after the children.
- fullWidth `bool`
  Default is FALSE If true, the button will take up the full width of its container.
- href `string`
  Default is - The URL to link to when the button is clicked. If defined, an a element will be used as the root node.
- loading `bool`
  Default is null If true, the loading indicator is visible and the button is disabled. If true | false, the loading wrapper is always rendered before the children to prevent Google Translation Crash.
- loadingIndicator `node`
  Default is CircularProgress color="inherit" size=16 / Element placed before the children if the button is in loading state. The node should contain an element with role="progressbar" with an accessible name. By default, it renders a CircularProgress that is labeled by the button itself.
- loadingPosition `'center'| 'end'| 'start'`
  Default is 'center' The loading indicator can be positioned on the start, end, or the center of the button.
- size `'small'| 'medium'| 'large'| string`
  Default is 'medium' The size of the component. small is equivalent to the dense button styling.
- startIcon `node`
  Default is - Element placed before the children.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- variant `'contained'| 'outlined'| 'text'| string`
  Default is 'text' The variant to use.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

ButtonBase *ButtonBase*

Description

https://mui.com/material-ui/api/button-base/

Usage

```
ButtonBase(...)
```

Arguments

...	Props to pass to the component.

Details

- action `ref`
  Default is - A ref for imperative actions. It currently only supports focusVisible() action.
- centerRipple `bool`
  Default is FALSE If true, the ripples are centered. They won't start at the cursor interaction position.
- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `element type`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.This needs to be able to hold a ref.
- disabled `bool`
  Default is FALSE If true, the component is disabled.
- disableRipple `bool`
  Default is FALSE If true, the ripple effect is disabled. Without a ripple there is no styling for :focus-visible by default. Be sure to highlight the element by applying separate styles with the .Mui-focusVisible class.
- disableTouchRipple `bool`
  Default is FALSE If true, the touch ripple effect is disabled.
- focusRipple `bool`
  Default is FALSE If true, the base button will have a keyboard focus ripple.
- focusVisibleClassName `string`
  Default is - This prop can help identify which element has keyboard focus. The class name will be applied when the element gains the focus through keyboard interaction. It's a polyfill for the CSS :focus-visible selector. The rationale for using this feature is explained here. A polyfill can be used to apply a focus-visible class to other components if needed.

- LinkComponent `elementType`
  Default is 'a' The component used to render a link when the href prop is provided.
- onFocusVisible `func`
  Default is - Callback fired when the component is focused with a keyboard. We trigger a onFocus callback too.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- TouchRippleProps `object`
  Default is - Props applied to the TouchRipple element.
- touchRippleRef `func| { current?: { pulsate: func, start: func, stop: func } }`
  Default is - A ref that points to the TouchRipple element.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`ButtonGroup` *ButtonGroup*

Description

https://mui.com/material-ui/api/button-group/

Usage

```
ButtonGroup(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'inherit'| 'primary'| 'secondary'| 'error'| 'info'| 'success'| 'warning'| string`
  Default is 'primary' The color of the component. It supports both default and custom theme colors, which can be added as shown in the palette customization guide.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.

- disabled `bool`
  Default is FALSE If true, the component is disabled.
- disableElevation `bool`
  Default is FALSE If true, no elevation is used.
- disableFocusRipple `bool`
  Default is FALSE If true, the button keyboard focus ripple is disabled.
- disableRipple `bool`
  Default is FALSE If true, the button ripple effect is disabled.
- fullWidth `bool`
  Default is FALSE If true, the buttons will take up the full width of its container.
- orientation `'horizontal'| 'vertical'`
  Default is 'horizontal' The component orientation (layout flow direction).
- size `'small'| 'medium'| 'large'| string`
  Default is 'medium' The size of the component. small is equivalent to the dense button styling.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- variant `'contained'| 'outlined'| 'text'| string`
  Default is 'outlined' The variant to use.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Card` *Card*

Description

https://mui.com/material-ui/api/card/

Usage

```
Card(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- raised `bool`
  Default is FALSE If true, the card will use raised styling.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`CardActionArea` *CardActionArea*

Description

`https://mui.com/material-ui/api/card-action-area/`

Usage

```
CardActionArea(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is NA The content of the component.
- classes `object`
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.
- sx `Array func| object| bool | func| object`
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

CardActions *CardActions*

Description

https://mui.com/material-ui/api/card-actions/

Usage

```
CardActions(...)
```

Arguments

...	Props to pass to the component.

Details

- children node
  Default is - The content of the component.
- classes object
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- disableSpacing bool
  Default is FALSE If true, the actions do not have additional margin.
- sx Array func| object| bool | func| object
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the sx page for more details.

Value

Object with shiny.tag class suitable for use in the UI of a Shiny app.

CardContent *CardContent*

Description

https://mui.com/material-ui/api/card-content/

Usage

```
CardContent(...)
```

Arguments

...	Props to pass to the component.

Details

- children node
  Default is NA The content of the component.
- classes `object`
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is NA The component used for the root node. Either a string to use a HTML element or a component.
- sx `Array func| object| bool | func| object`
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`CardHeader` *CardHeader*

Description

https://mui.com/material-ui/api/card-header/

Usage

```
CardHeader(...)
```

Arguments

`...`	Props to pass to the component.

Details

- action node
  Default is - The action to display in the card header.
- avatar node
  Default is - The Avatar element to display.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.

- disableTypography `bool`
  Default is FALSE If true, subheader and title won't be wrapped by a Typography component. This can be useful to render an alternative Typography variant by wrapping the title text, and optional subheader text with the Typography component.
- slotProps `{ action?: func| object, avatar?: func| object, content?: func| object, root?: func| object`
  Default is The props used for each slot inside.
- slots `{ action?: elementType, avatar?: elementType, content?: elementType, root?: elementType, subhe`
  Default is The components used for each slot inside.
- subheader `node`
  Default is - The content of the component.
- subheaderTypographyProps `object`
  Default is - These props will be forwarded to the subheader (as long as disableTypography is not true).Deprecated Use slotProps.subheader instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- title `node`
  Default is - The content of the component.
- titleTypographyProps `object`
  Default is - These props will be forwarded to the title (as long as disableTypography is not true).Deprecated Use slotProps.title instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`CardMedia` *CardMedia*

Description

https://mui.com/material-ui/api/card-media/

Usage

```
CardMedia(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is NA The content of the component.
- classes `object`
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is NA The component used for the root node. Either a string to use a HTML element or a component.
- image `string`
  Default is NA Image to be displayed as a background image. Either image or src prop must be specified. Note that caller must specify height otherwise the image will not be visible.
- src `string`
  Default is NA An alias for image property. Available only with media components. Media components: video, audio, picture, iframe, img.
- sx `Array func| object| bool | func| object`
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Checkbox` *Checkbox*

Description

https://mui.com/material-ui/api/checkbox/

Usage

```
Checkbox(...)

Checkbox.shinyInput(inputId, ..., value = defaultValue)

updateCheckbox.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)
```

Arguments

`...` Props to pass to the component.

`inputId` ID of the component.

`value` Starting value.

`session` Object passed as the ‘session‘ argument to Shiny server.

Details

- checked `bool`
  Default is - If true, the component is checked.
- checkedIcon `node`
  Default is CheckBoxIcon / The icon to display when the component is checked.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'default'| 'primary'| 'secondary'| 'error'| 'info'| 'success'| 'warning'| string`
  Default is ’primary’ The color of the component. It supports both default and custom theme colors, which can be added as shown in the palette customization guide.
- defaultChecked `bool`
  Default is - The default checked state. Use when the component is not controlled.
- disabled `bool`
  Default is FALSE If true, the component is disabled.
- disableRipple `bool`
  Default is FALSE If true, the ripple effect is disabled.
- icon `node`
  Default is CheckBoxOutlineBlankIcon / The icon to display when the component is unchecked.
- id `string`
  Default is - The id of the input element.
- indeterminate `bool`
  Default is FALSE If true, the component appears indeterminate. This does not set the native input element to indeterminate due to inconsistent behavior across browsers. However, we set a data-indeterminate attribute on the input.
- indeterminateIcon `node`
  Default is IndeterminateCheckBoxIcon / The icon to display when the component is indeterminate.
- inputProps `object`
  Default is - Attributes applied to the input element.Deprecated Use slotProps.input instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- onChange `func`
  Default is - Callback fired when the state is changed.Signature:function(event: React.ChangeEvent) = voidevent The event source of the callback. You can pull out the new checked state by accessing event.target.checked (boolean).

- required `bool`
  Default is FALSE If true, the input element is required.
- size `'medium'| 'small'| string`
  Default is ’medium’ The size of the component. small is equivalent to the dense checkbox styling.
- slotProps `{ input?: func| object, root?: func| object }`
  Default is The props used for each slot inside.
- slots `{ input?: elementType, root?: elementType }`
  Default is The components used for each slot inside.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- value `any`
  Default is - The value of the component. The DOM API casts this to a string. The browser uses "on" as the default value.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Chip` *Chip*

Description

https://mui.com/material-ui/api/chip/

Usage

```
Chip(...)
```

Arguments

`...`	Props to pass to the component.

Details

- avatar `element`
  Default is - The Avatar element to display.
- children `unsupportedProp`
  Default is - This prop isn’t supported. Use the component prop if you need to change the children structure.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.

- clickable `bool`
  Default is - If true, the chip will appear clickable, and will raise when pressed, even if the onClick prop is not defined. If false, the chip will not appear clickable, even if onClick prop is defined. This can be used, for example, along with the component prop to indicate an anchor Chip is clickable. Note: this controls the UI and does not affect the onClick event.
- color `'default'| 'primary'| 'secondary'| 'error'| 'info'| 'success'| 'warning'| string`
  Default is 'default' The color of the component. It supports both default and custom theme colors, which can be added as shown in the palette customization guide.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- deleteIcon `element`
  Default is - Override the default delete icon element. Shown only if onDelete is set.
- disabled `bool`
  Default is FALSE If true, the component is disabled.
- icon `element`
  Default is - Icon element.
- label `node`
  Default is - The content of the component.
- onDelete `func`
  Default is - Callback fired when the delete icon is clicked. If set, the delete icon will be shown.
- size `'medium'| 'small'| string`
  Default is 'medium' The size of the component.
- skipFocusWhenDisabled `bool`
  Default is FALSE If true, allows the disabled chip to escape focus. If false, allows the disabled chip to receive focus.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- variant `'filled'| 'outlined'| string`
  Default is 'filled' The variant to use.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`CircularProgress` *CircularProgress*

Description

https://mui.com/material-ui/api/circular-progress/

Usage

```
CircularProgress(...)
```

Arguments

`...`	Props to pass to the component.

Details

- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'inherit'| 'primary'| 'secondary'| 'error'| 'info'| 'success'| 'warning'| string`
  Default is 'primary' The color of the component. It supports both default and custom theme colors, which can be added as shown in the palette customization guide.
- disableShrink `bool`
  Default is FALSE If true, the shrink animation is disabled. This only works if variant is indeterminate.
- size `number| string`
  Default is 40 The size of the component. If using a number, the pixel unit is assumed. If using a string, you need to provide the CSS unit, for example '3rem'.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- thickness `number`
  Default is 3.6 The thickness of the circle.
- value `number`
  Default is 0 The value of the progress indicator for the determinate variant. Value between 0 and 100.
- variant `'determinate'| 'indeterminate'`
  Default is 'indeterminate' The variant to use. Use indeterminate when there is no progress value.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`ClickAwayListener` *ClickAwayListener*

Description

https://mui.com/material-ui/api/click-away-listener/

Usage

```
ClickAwayListener(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `element`
  Default is - The wrapped element.This needs to be able to hold a ref.
- onClickAway `func`
  Default is - Callback fired when a "click away" event is detected.
- disableReactTree `bool`
  Default is FALSE If true, the React tree is ignored and only the DOM tree is considered. This prop changes how portaled elements are handled.
- mouseEvent `'onClick'| 'onMouseDown'| 'onMouseUp'| 'onPointerDown'| 'onPointerUp'| false`
  Default is 'onClick' The mouse event to listen to. You can disable the listener by providing false.
- touchEvent `'onTouchEnd'| 'onTouchStart'| false`
  Default is 'onTouchEnd' The touch event to listen to. You can disable the listener by providing false.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Collapse` *Collapse*

Description

https://mui.com/material-ui/api/collapse/

Usage

```
Collapse(...)
```

Arguments

`...`	Props to pass to the component.

Details

- addEndListener `func`
  Default is - Add a custom transition end trigger. Called with the transitioning DOM node and a done callback. Allows for more fine grained transition end logic. Note: Timeouts are still used as a fallback if provided.
- children `node`
  Default is - The content node to be collapsed.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- collapsedSize `number| string`
  Default is ’0px’ The width (horizontal) or height (vertical) of the container when collapsed.
- component `element type`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.This needs to be able to hold a ref.
- easing `{ enter?: string, exit?: string }| string`
  Default is - The transition timing function. You may specify a single easing or a object containing enter and exit values.
- in `bool`
  Default is - If true, the component will transition in.
- orientation `'horizontal'| 'vertical'`
  Default is ’vertical’ The transition orientation.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- timeout `'auto'| number| { appear?: number, enter?: number, exit?: number }`
  Default is duration.standard The duration for the transition, in milliseconds. You may specify a single timeout for all transitions, or individually with an object.Set to ’auto’ to automatically calculate transition time based on height.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Container` *Container*

Description

https://mui.com/material-ui/api/container/

Usage

```
Container(...)
```

Arguments

`...` Props to pass to the component.

Details

- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- disableGutters `bool`
  Default is FALSE If true, the left and right padding is removed.
- fixed `bool`
  Default is FALSE Set the max-width to match the min-width of the current breakpoint. This is useful if you'd prefer to design for a fixed set of sizes instead of trying to accommodate a fully fluid viewport. It's fluid by default.
- maxWidth `'xs'| 'sm'| 'md'| 'lg'| 'xl'| false| string`
  Default is 'lg' Determine the max-width of the container. The container width grows with the size of the screen. Set to false to disable maxWidth.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`CssBaseline` *CssBaseline*

Description

https://mui.com/material-ui/api/css-baseline/

Usage

```
CssBaseline(...)
```

Arguments

`...` Props to pass to the component.

Details

- children `node`
  Default is - You can wrap a node.
- enableColorScheme `bool`
  Default is FALSE Enable color-scheme CSS property to use theme.palette.mode. For more details, check out https://developer.mozilla.org/en-US/docs/Web/CSS/color-scheme For browser support, check out https://caniuse.com/?search=color-scheme

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Dialog` *Dialog*

Description

https://mui.com/material-ui/api/dialog/

Usage

```
Dialog(...)
```

Arguments

`...`	Props to pass to the component.

Details

- open `bool`
  Default is - If true, the component is shown.
- aria-describedby `string`
  Default is - The id(s) of the element(s) that describe the dialog.
- aria-labelledby `string`
  Default is - The id(s) of the element(s) that label the dialog.
- aria-modal `'false' | 'true' | bool`
  Default is TRUE Informs assistive technologies that the element is modal. It’s added on the element with role="dialog".
- BackdropComponent `elementType`
  Default is styled(Backdrop, name: ’MuiModal’, slot: ’Backdrop’, overridesResolver: (props, styles) = return styles.backdrop; ,)(zIndex: -1,) A backdrop component. This prop enables custom backdrop rendering.Deprecated Use slots.backdrop instead. While this prop currently works, it will be removed in the next major version.
- children `node`
  Default is - Dialog children, usually the included sub-components.

- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- disableEscapeKeyDown `bool`
  Default is FALSE If true, hitting escape will not fire the onClose callback.
- fullScreen `bool`
  Default is FALSE If true, the dialog is full-screen.
- fullWidth `bool`
  Default is FALSE If true, the dialog stretches to maxWidth.Notice that the dialog width grow is limited by the default margin.
- maxWidth `'xs'| 'sm'| 'md'| 'lg'| 'xl'| false| string`
  Default is 'sm' Determine the max-width of the dialog. The dialog width grows with the size of the screen. Set to false to disable maxWidth.
- onClose `func`
  Default is - Callback fired when the component requests to be closed.Signature:function(event: object, reason: string) = voidevent The event source of the callback.reason Can be: "escapeKeyDown", "backdropClick".
- PaperComponent `elementType`
  Default is Paper The component used to render the body of the dialog.
- PaperProps `object`
  Default is Props applied to the Paper element.Deprecated Use slotProps.paper instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- scroll `'body'| 'paper'`
  Default is 'paper' Determine the container for scrolling the dialog.
- slotProps `{ backdrop?: func| object, container?: func| object, paper?: func| object, root?: func| obj`
  Default is The props used for each slot inside.
- slots `{ backdrop?: elementType, container?: elementType, paper?: elementType, root?: elementType, tr`
  Default is The components used for each slot inside.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- TransitionComponent `elementType`
  Default is Fade The component used for the transition. Follow this guide to learn more about the requirements for this component.Deprecated Use slots.transition instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- transitionDuration `number| { appear?: number, enter?: number, exit?: number }`
  Default is enter: theme.transitions.duration.enteringScreen, exit: theme.transitions.duration.leavingScreen, The duration for the transition, in milliseconds. You may specify a single timeout for all transitions, or individually with an object.
- TransitionProps `object`
  Default is - Props applied to the transition element. By default, the element is based on this Transition component.Deprecated Use slotProps.transition instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`DialogActions` *DialogActions*

Description

https://mui.com/material-ui/api/dialog-actions/

Usage

```
DialogActions(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- disableSpacing `bool`
  Default is FALSE If true, the actions do not have additional margin.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

DialogContent *DialogContent*

Description

https://mui.com/material-ui/api/dialog-content/

Usage

```
DialogContent(...)
```

Arguments

...	Props to pass to the component.

Details

- children node
  Default is - The content of the component.
- classes object
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- dividers bool
  Default is FALSE Display the top and bottom dividers.
- sx Array func| object| bool | func| object
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the sx page for more details.

Value

Object with shiny.tag class suitable for use in the UI of a Shiny app.

DialogContentText *DialogContentText*

Description

https://mui.com/material-ui/api/dialog-content-text/

Usage

```
DialogContentText(...)
```

Arguments

...	Props to pass to the component.

Details

- children node
  Default is NA The content of the component.
- classes `object`
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.
- sx `Array func| object| bool | func| object`
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`DialogTitle` *DialogTitle*

Description

https://mui.com/material-ui/api/dialog-title/

Usage

```
DialogTitle(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children node
  Default is NA The content of the component.
- classes `object`
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.
- sx `Array func| object| bool | func| object`
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Divider *Divider*

Description

https://mui.com/material-ui/api/divider/

Usage

```
Divider(...)
```

Arguments

`...`	Props to pass to the component.

Details

- absolute `bool`
  Default is FALSE Absolutely position the element.
- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- flexItem `bool`
  Default is FALSE If true, a vertical divider will have the correct height when used in flex container. (By default, a vertical divider will have a calculated height of 0px if it is the child of a flex container.)
- light `bool`
  Default is FALSE If true, the divider will have a lighter color.Deprecated Use Divider sx= opacity: 0.6 / (or any opacity or color) instead. See Migrating from deprecated APIs for more details.
- orientation `'horizontal'| 'vertical'`
  Default is ’horizontal’ The component orientation.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- textAlign `'center'| 'left'| 'right'`
  Default is ’center’ The text alignment.
- variant `'fullWidth'| 'inset'| 'middle'| string`
  Default is ’fullWidth’ The variant to use.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Drawer` *Drawer*

Description

https://mui.com/material-ui/api/drawer/

Usage

```
Drawer(...)

Drawer.shinyInput(inputId, ...)

updateDrawer.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)
```

Arguments

`...`	Props to pass to the component.
`inputId`	ID of the component.
`session`	Object passed as the ‘session‘ argument to Shiny server.

Details

- anchor `'bottom'| 'left'| 'right'| 'top'`
  Default is ’left’ Side from which the drawer will appear.
- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- elevation `integer`
  Default is 16 The elevation of the drawer.
- hideBackdrop `bool`
  Default is FALSE If true, the backdrop is not rendered.
- ModalProps `object`
  Default is Props applied to the Modal element.

- onClose `func`
  Default is - Callback fired when the component requests to be closed. The reason parameter can optionally be used to control the response to onClose.Signature:function(event: object, reason: string) = voidevent The event source of the callback.reason Can be: "escapeKeyDown", "backdropClick".
- open `bool`
  Default is FALSE If true, the component is shown.
- PaperProps `object`
  Default is Props applied to the Paper element.Deprecated use the slotProps.paper prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- SlideProps `object`
  Default is - Props applied to the Slide element.Deprecated use the slotProps.transition prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- slotProps `{ backdrop?: func| object, docked?: func| object, paper?: func| object, root?: func| object`
  Default is The props used for each slot inside.
- slots `{ backdrop?: elementType, docked?: elementType, paper?: elementType, root?: elementType, trans`
  Default is The components used for each slot inside.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- transitionDuration `number| { appear?: number, enter?: number, exit?: number }`
  Default is enter: theme.transitions.duration.enteringScreen, exit: theme.transitions.duration.leavingScreen, The duration for the transition, in milliseconds. You may specify a single timeout for all transitions, or individually with an object.
- variant `'permanent'| 'persistent'| 'temporary'`
  Default is 'temporary' The variant to use.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Fab` *Fab*

Description

https://mui.com/material-ui/api/fab/

Usage

```
Fab(...)

Fab.shinyInput(inputId, ...)

updateFab.shinyInput(session = shiny::getDefaultReactiveDomain(), inputId, ...)
```

Arguments

`...` Props to pass to the component.

`inputId` ID of the component.

`session` Object passed as the ‘session‘ argument to Shiny server.

Details

- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'default'| 'error'| 'info'| 'inherit'| 'primary'| 'secondary'| 'success'| 'warning'| string`
  Default is 'default' The color of the component. It supports both default and custom theme colors, which can be added as shown in the palette customization guide.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- disabled `bool`
  Default is FALSE If true, the component is disabled.
- disableFocusRipple `bool`
  Default is FALSE If true, the keyboard focus ripple is disabled.
- disableRipple `bool`
  Default is - If true, the ripple effect is disabled.
- href `string`
  Default is - The URL to link to when the button is clicked. If defined, an a element will be used as the root node.
- size `'small'| 'medium'| 'large'| string`
  Default is 'large' The size of the component. small is equivalent to the dense button styling.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- variant `'circular'| 'extended'| string`
  Default is 'circular' The variant to use.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Fade *Fade*

Description

https://mui.com/material-ui/api/fade/

Usage

```
Fade(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `element`
  Default is - A single child content element.This needs to be able to hold a ref.
- addEndListener `func`
  Default is - Add a custom transition end trigger. Called with the transitioning DOM node and a done callback. Allows for more fine grained transition end logic. Note: Timeouts are still used as a fallback if provided.
- appear `bool`
  Default is TRUE Perform the enter transition when it first mounts if in is also true. Set this to false to disable this behavior.
- easing `{ enter?: string, exit?: string }| string`
  Default is - The transition timing function. You may specify a single easing or a object containing enter and exit values.
- in `bool`
  Default is - If true, the component will transition in.
- timeout `number| { appear?: number, enter?: number, exit?: number }`
  Default is enter: theme.transitions.duration.enteringScreen, exit: theme.transitions.duration.leavingScreen, The duration for the transition, in milliseconds. You may specify a single timeout for all transitions, or individually with an object.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`FilledInput` *FilledInput*

Description

`https://mui.com/material-ui/api/filled-input/`

Usage

```
FilledInput(...)
```

Arguments

`...`	Props to pass to the component.

Details

- autoComplete `string`
  Default is - This prop helps users to fill forms faster, especially on mobile devices. The name can be confusing, as it's more like an autofill. You can learn more about it following the specification.
- autoFocus `bool`
  Default is - If true, the input element is focused during the first mount.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'primary'| 'secondary'| string`
  Default is - The color of the component. It supports both default and custom theme colors, which can be added as shown in the palette customization guide. The prop defaults to the value ('primary') inherited from the parent FormControl component.
- components `{ Input?: elementType, Root?: elementType }`
  Default is The components used for each slot inside.Deprecated use the slots prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- componentsProps `{ input?: object, root?: object }`
  Default is The extra props for the slot components. You can override the existing props or add new ones.Deprecated use the slotProps prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- defaultValue `any`
  Default is - The default value. Use when the component is not controlled.
- disabled `bool`
  Default is - If true, the component is disabled. The prop defaults to the value (false) inherited from the parent FormControl component.
- disableUnderline `bool`
  Default is FALSE If true, the input will not have an underline.

- endAdornment node
  Default is - End InputAdornment for this component.
- error bool
  Default is - If true, the input will indicate an error. The prop defaults to the value (false) inherited from the parent FormControl component.
- fullWidth bool
  Default is FALSE If true, the input will take up the full width of its container.
- hiddenLabel bool
  Default is FALSE If true, the label is hidden. This is used to increase density for a FilledInput. Be sure to add aria-label to the input element.
- id string
  Default is - The id of the input element.
- inputComponent elementType
  Default is 'input' The component used for the input element. Either a string to use a HTML element or a component.
- inputProps object
  Default is Attributes applied to the input element.
- inputRef ref
  Default is - Pass a ref to the input element.
- margin 'dense'| 'none'
  Default is - If dense, will adjust vertical spacing. This is normally obtained via context from FormControl. The prop defaults to the value ('none') inherited from the parent FormControl component.
- maxRows number| string
  Default is - Maximum number of rows to display when multiline option is set to true.
- minRows number| string
  Default is - Minimum number of rows to display when multiline option is set to true.
- multiline bool
  Default is FALSE If true, a TextareaAutosize element is rendered.
- name string
  Default is - Name attribute of the input element.
- onChange func
  Default is - Callback fired when the value is changed.Signature:function(event: React.ChangeEvent) = voidevent The event source of the callback. You can pull out the new value by accessing event.target.value (string).
- placeholder string
  Default is - The short hint displayed in the input before the user enters a value.
- readOnly bool
  Default is - It prevents the user from changing the value of the field (not from interacting with the field).
- required bool
  Default is - If true, the input element is required. The prop defaults to the value (false) inherited from the parent FormControl component.

- rows `number| string`
  Default is - Number of rows to display when multiline option is set to true.
- slotProps `{ input?: object, root?: object }`
  Default is The extra props for the slot components. You can override the existing props or add new ones.This prop is an alias for the componentsProps prop, which will be deprecated in the future.
- slots `{ input?: elementType, root?: elementType }`
  Default is The components used for each slot inside.This prop is an alias for the components prop, which will be deprecated in the future.
- startAdornment `node`
  Default is - Start InputAdornment for this component.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- type `string`
  Default is 'text' Type of the input element. It should be a valid HTML5 input type.
- value `any`
  Default is - The value of the input element, required for a controlled component.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`FormControl` *FormControl*

Description

https://mui.com/material-ui/api/form-control/

Usage

```
FormControl(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.

- color `'primary'| 'secondary'| 'error'| 'info'| 'success'| 'warning'| string`
  Default is 'primary' The color of the component. It supports both default and custom theme colors, which can be added as shown in the palette customization guide.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- disabled `bool`
  Default is FALSE If true, the label, input and helper text should be displayed in a disabled state.
- error `bool`
  Default is FALSE If true, the label is displayed in an error state.
- focused `bool`
  Default is - If true, the component is displayed in focused state.
- fullWidth `bool`
  Default is FALSE If true, the component will take up the full width of its container.
- hiddenLabel `bool`
  Default is FALSE If true, the label is hidden. This is used to increase density for a FilledInput. Be sure to add aria-label to the input element.
- margin `'dense'| 'none'| 'normal'`
  Default is 'none' If dense or normal, will adjust vertical spacing of this and contained components.
- required `bool`
  Default is FALSE If true, the label will indicate that the input is required.
- size `'medium'| 'small'| string`
  Default is 'medium' The size of the component.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- variant `'filled'| 'outlined'| 'standard'`
  Default is 'outlined' The variant to use.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`FormControlLabel` *FormControlLabel*

Description

https://mui.com/material-ui/api/form-control-label/

Usage

```
FormControlLabel(...)

FormControlLabel.shinyInput(inputId, ..., value = defaultValue)

updateFormControlLabel.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)
```

Arguments

`...`	Props to pass to the component.
`inputId`	ID of the component.
`value`	Starting value.
`session`	Object passed as the ‘session‘ argument to Shiny server.

Details

- control `element`
  Default is - A control element. For instance, it can be a Radio, a Switch or a Checkbox.
- checked `bool`
  Default is - If true, the component appears selected.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- componentsProps `{ typography?: object }`
  Default is The props used for each slot inside.Deprecated use the slotProps prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- disabled `bool`
  Default is - If true, the control is disabled.
- disableTypography `bool`
  Default is - If true, the label is rendered as it is passed without an additional typography node.
- inputRef `ref`
  Default is - Pass a ref to the input element.
- label `node`
  Default is - A text or an element to be used in an enclosing label element.
- labelPlacement `'bottom'| 'end'| 'start'| 'top'`
  Default is ’end’ The position of the label.
- onChange `func`
  Default is - Callback fired when the state is changed.Signature:function(event: React.SyntheticEvent) = voidevent The event source of the callback. You can pull out the new checked state by accessing event.target.checked (boolean).

- required `bool`
  Default is - If true, the label will indicate that the input is required.
- slotProps `{ typography?: func| object }`
  Default is The props used for each slot inside.
- slots `{ typography?: elementType }`
  Default is The components used for each slot inside.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- value `any`
  Default is - The value of the component.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`FormGroup` *FormGroup*

Description

`https://mui.com/material-ui/api/form-group/`

Usage

```
FormGroup(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- row `bool`
  Default is FALSE Display group of elements in a compact row.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`FormHelperText` *FormHelperText*

Description

https://mui.com/material-ui/api/form-helper-text/

Usage

```
FormHelperText(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is NA The content of the component.If ' ' is provided, the component reserves one line height for displaying a future message.
- classes `object`
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is NA The component used for the root node. Either a string to use a HTML element or a component.
- disabled `bool`
  Default is NA If true, the helper text should be displayed in a disabled state.
- error `bool`
  Default is NA If true, helper text should be displayed in an error state.
- filled `bool`
  Default is NA If true, the helper text should use filled classes key.
- focused `bool`
  Default is NA If true, the helper text should use focused classes key.
- margin `'dense'`
  Default is NA If dense, will adjust vertical spacing. This is normally obtained via context from FormControl.
- required `bool`
  Default is NA If true, the helper text should use required classes key.
- sx `Array func| object| bool | func| object`
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- variant `'filled'| 'outlined'| 'standard'| string`
  Default is NA The variant to use.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`FormLabel` *FormLabel*

Description

https://mui.com/material-ui/api/form-label/

Usage

```
FormLabel(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is NA The content of the component.
- classes `object`
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'error'| 'info'| 'primary'| 'secondary'| 'success'| 'warning'| string`
  Default is NA The color of the component. It supports both default and custom theme colors, which can be added as shown in the palette customization guide.
- component `elementType`
  Default is NA The component used for the root node. Either a string to use a HTML element or a component.
- disabled `bool`
  Default is NA If true, the label should be displayed in a disabled state.
- error `bool`
  Default is NA If true, the label is displayed in an error state.
- filled `bool`
  Default is NA If true, the label should use filled classes key.
- focused `bool`
  Default is NA If true, the input of this label is focused (used by FormGroup components).
- required `bool`
  Default is NA If true, the label will indicate that the input is required.
- sx `Array func| object| bool | func| object`
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`GlobalStyles` *GlobalStyles*

Description

https://mui.com/material-ui/api/global-styles/

Usage

```
GlobalStyles(...)
```

Arguments

`...`	Props to pass to the component.

Details

- styles `array| func| number| object| string| bool`
  Default is NA The styles you want to apply globally.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Grid` *Grid*

Description

https://mui.com/material-ui/api/grid/

Usage

```
Grid(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - The content of the component.
- columns `Array number | number| object`
  Default is 12 The number of columns.
- columnSpacing `Array number| string | number| object| string`
  Default is - Defines the horizontal space between the type item components. It overrides the value of the spacing prop.
- container `bool`
  Default is FALSE If true, the component will have the flex container behavior. You should be wrapping items with a container.
- direction `'column-reverse'| 'column'| 'row-reverse'| 'row'| Array 'column-reverse'| 'column'| 'row-r`
  Default is 'row' Defines the flex-direction style property. It is applied for all screen sizes.
- offset `string| number| Array string| number | object`
  Default is - Defines the offset value for the type item components.
- rowSpacing `Array number| string | number| object| string`
  Default is - Defines the vertical space between the type item components. It overrides the value of the spacing prop.
- size `string| bool| number| Array string| bool| number | object`
  Default is - Defines the size of the the type item components.
- spacing `Array number| string | number| object| string`
  Default is 0 Defines the space between the type item components. It can only be used on a type container component.
- wrap `'nowrap'| 'wrap-reverse'| 'wrap'`
  Default is 'wrap' Defines the flex-wrap style property. It's applied for all screen sizes.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`GridLegacy` *GridLegacy*

Description

https://mui.com/material-ui/api/grid-legacy/

Usage

```
GridLegacy(...)
```

Arguments

`...` Props to pass to the component.

Details

- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- columns `Array number | number| object`
  Default is 12 The number of columns.
- columnSpacing `Array number| string | number| object| string`
  Default is - Defines the horizontal space between the type item components. It overrides the value of the spacing prop.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- container `bool`
  Default is FALSE If true, the component will have the flex container behavior. You should be wrapping items with a container.
- direction `'column-reverse'| 'column'| 'row-reverse'| 'row'| Array 'column-reverse'| 'column'| 'row-r`
  Default is 'row' Defines the flex-direction style property. It is applied for all screen sizes.
- item `bool`
  Default is FALSE If true, the component will have the flex item behavior. You should be wrapping items with a container.
- lg `'auto'| number| bool`
  Default is FALSE If a number, it sets the number of columns the grid item uses. It can't be greater than the total number of columns of the container (12 by default). If 'auto', the grid item's width matches its content. If false, the prop is ignored. If true, the grid item's width grows to use the space available in the grid container. The value is applied for the lg breakpoint and wider screens if not overridden.
- md `'auto'| number| bool`
  Default is FALSE If a number, it sets the number of columns the grid item uses. It can't be greater than the total number of columns of the container (12 by default). If 'auto', the grid item's width matches its content. If false, the prop is ignored. If true, the grid item's width grows to use the space available in the grid container. The value is applied for the md breakpoint and wider screens if not overridden.
- rowSpacing `Array number| string | number| object| string`
  Default is - Defines the vertical space between the type item components. It overrides the value of the spacing prop.
- sm `'auto'| number| bool`
  Default is FALSE If a number, it sets the number of columns the grid item uses. It can't be greater than the total number of columns of the container (12 by default). If 'auto', the grid item's width matches its content. If false, the prop is ignored. If true, the grid item's width grows to use the space available in the grid container. The value is applied for the sm breakpoint and wider screens if not overridden.

- spacing `Array number| string | number| object| string`
  Default is 0 Defines the space between the type item components. It can only be used on a type container component.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- wrap `'nowrap'| 'wrap-reverse'| 'wrap'`
  Default is 'wrap' Defines the flex-wrap style property. It's applied for all screen sizes.
- xl `'auto'| number| bool`
  Default is FALSE If a number, it sets the number of columns the grid item uses. It can't be greater than the total number of columns of the container (12 by default). If 'auto', the grid item's width matches its content. If false, the prop is ignored. If true, the grid item's width grows to use the space available in the grid container. The value is applied for the xl breakpoint and wider screens if not overridden.
- xs `'auto'| number| bool`
  Default is FALSE If a number, it sets the number of columns the grid item uses. It can't be greater than the total number of columns of the container (12 by default). If 'auto', the grid item's width matches its content. If false, the prop is ignored. If true, the grid item's width grows to use the space available in the grid container. The value is applied for all the screen sizes with the lowest priority.
- zeroMinWidth `bool`
  Default is FALSE If true, it sets min-width: 0 on the item. Refer to the limitations section of the documentation to better understand the use case.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Grow` *Grow*

Description

https://mui.com/material-ui/api/grow/

Usage

```
Grow(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `element`
  Default is - A single child content element.This needs to be able to hold a ref.
- addEndListener `func`
  Default is - Add a custom transition end trigger. Called with the transitioning DOM node and a done callback. Allows for more fine grained transition end logic. Note: Timeouts are still used as a fallback if provided.
- appear `bool`
  Default is TRUE Perform the enter transition when it first mounts if in is also true. Set this to false to disable this behavior.
- easing `{ enter?: string, exit?: string }| string`
  Default is - The transition timing function. You may specify a single easing or a object containing enter and exit values.
- in `bool`
  Default is - If true, the component will transition in.
- timeout `'auto'| number| { appear?: number, enter?: number, exit?: number }`
  Default is 'auto' The duration for the transition, in milliseconds. You may specify a single timeout for all transitions, or individually with an object.Set to 'auto' to automatically calculate transition time based on height.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Icon` *Icon*

Description

https://mui.com/material-ui/api/icon/

Usage

```
Icon(...)
```

Arguments

`...`	Props to pass to the component.

Details

- baseClassName `string`
  Default is 'material-icons' The base class applied to the icon. Defaults to 'material-icons', but can be changed to any other base class that suits the icon font you're using (for example material-icons-rounded, fas, etc).

- children node
  Default is - The name of the icon font ligature.
- classes object
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color 'inherit'| 'action'| 'disabled'| 'primary'| 'secondary'| 'error'| 'info'| 'success'| 'warning'| string
  Default is ’inherit’ The color of the component. It supports both default and custom theme colors, which can be added as shown in the palette customization guide.
- component elementType
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- fontSize 'inherit'| 'large'| 'medium'| 'small'| string
  Default is ’medium’ The fontSize applied to the icon. Defaults to 24px, but can be configure to inherit font size.
- sx Array func| object| bool | func| object
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the sx page for more details.

Value

Object with shiny.tag class suitable for use in the UI of a Shiny app.

IconButton *IconButton*

Description

https://mui.com/material-ui/api/icon-button/

Usage

```
IconButton(...)

IconButton.shinyInput(inputId, ...)

updateIconButton.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)
```

Arguments

...	Props to pass to the component.
inputId	ID of the component.
session	Object passed as the ‘session‘ argument to Shiny server.

Details

- children `node`
  Default is - The icon to display.

- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.

- color `'inherit'| 'default'| 'primary'| 'secondary'| 'error'| 'info'| 'success'| 'warning'| string`
  Default is 'default' The color of the component. It supports both default and custom theme colors, which can be added as shown in the palette customization guide.

- disabled `bool`
  Default is FALSE If true, the component is disabled.

- disableFocusRipple `bool`
  Default is FALSE If true, the keyboard focus ripple is disabled.

- disableRipple `bool`
  Default is FALSE If true, the ripple effect is disabled. Without a ripple there is no styling for :focus-visible by default. Be sure to highlight the element by applying separate styles with the .Mui-focusVisible class.

- edge `'end'| 'start'| false`
  Default is FALSE If given, uses a negative margin to counteract the padding on one side (this is often helpful for aligning the left or right side of the icon with content above or below, without ruining the border size and shape).

- loading `bool`
  Default is null If true, the loading indicator is visible and the button is disabled. If true | false, the loading wrapper is always rendered before the children to prevent Google Translation Crash.

- loadingIndicator `node`
  Default is CircularProgress color="inherit" size=16 / Element placed before the children if the button is in loading state. The node should contain an element with role="progressbar" with an accessible name. By default, it renders a CircularProgress that is labeled by the button itself.

- size `'small'| 'medium'| 'large'| string`
  Default is 'medium' The size of the component. small is equivalent to the dense button styling.

- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

ImageList *ImageList*

Description

https://mui.com/material-ui/api/image-list/

Usage

```
ImageList(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - The content of the component, normally ImageListItems.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- cols `integer`
  Default is 2 Number of columns.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- gap `number`
  Default is 4 The gap between items in px.
- rowHeight `'auto'| number`
  Default is 'auto' The height of one row in px.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- variant `'masonry'| 'quilted'| 'standard'| 'woven'| string`
  Default is 'standard' The variant to use.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`ImageListItem` *ImageListItem*

Description

https://mui.com/material-ui/api/image-list-item/

Usage

```
ImageListItem(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - The content of the component, normally an img .
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- cols `integer`
  Default is 1 Width of the item in number of grid columns.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- rows `integer`
  Default is 1 Height of the item in number of grid rows.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`ImageListItemBar` *ImageListItemBar*

Description

`https://mui.com/material-ui/api/image-list-item-bar/`

Usage

```
ImageListItemBar(...)
```

Arguments

`...`	Props to pass to the component.

Details

- actionIcon `node`
  Default is - An IconButton element to be used as secondary action target (primary action target is the item itself).
- actionPosition `'left'| 'right'`
  Default is 'right' Position of secondary action IconButton.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- position `'below'| 'bottom'| 'top'`
  Default is 'bottom' Position of the title bar.
- subtitle `node`
  Default is - String or element serving as subtitle (support text).
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- title `node`
  Default is - Title to be displayed.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Input *Input*

Description

https://mui.com/material-ui/api/input/

Usage

```
Input(...)

Input.shinyInput(inputId, ..., value = defaultValue)

updateInput.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)
```

Arguments

`...`	Props to pass to the component.
`inputId`	ID of the component.
`value`	Starting value.
`session`	Object passed as the ‘session‘ argument to Shiny server.

Details

- autoComplete `string`
  Default is - This prop helps users to fill forms faster, especially on mobile devices. The name can be confusing, as it’s more like an autofill. You can learn more about it following the specification.
- autoFocus `bool`
  Default is - If true, the input element is focused during the first mount.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'primary'| 'secondary'| string`
  Default is - The color of the component. It supports both default and custom theme colors, which can be added as shown in the palette customization guide. The prop defaults to the value (’primary’) inherited from the parent FormControl component.
- components `{ Input?: elementType, Root?: elementType }`
  Default is The components used for each slot inside.Deprecated use the slots prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.

- componentsProps `{ input?: object, root?: object }`
  Default is The extra props for the slot components. You can override the existing props or add new ones.Deprecated use the slotProps prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- defaultValue `any`
  Default is - The default value. Use when the component is not controlled.
- disabled `bool`
  Default is - If true, the component is disabled. The prop defaults to the value (false) inherited from the parent FormControl component.
- disableUnderline `bool`
  Default is FALSE If true, the input will not have an underline.
- endAdornment `node`
  Default is - End InputAdornment for this component.
- error `bool`
  Default is - If true, the input will indicate an error. The prop defaults to the value (false) inherited from the parent FormControl component.
- fullWidth `bool`
  Default is FALSE If true, the input will take up the full width of its container.
- id `string`
  Default is - The id of the input element.
- inputComponent `elementType`
  Default is ’input’ The component used for the input element. Either a string to use a HTML element or a component.
- inputProps `object`
  Default is Attributes applied to the input element.
- inputRef `ref`
  Default is - Pass a ref to the input element.
- margin `'dense'| 'none'`
  Default is - If dense, will adjust vertical spacing. This is normally obtained via context from FormControl. The prop defaults to the value (’none’) inherited from the parent FormControl component.
- maxRows `number| string`
  Default is - Maximum number of rows to display when multiline option is set to true.
- minRows `number| string`
  Default is - Minimum number of rows to display when multiline option is set to true.
- multiline `bool`
  Default is FALSE If true, a TextareaAutosize element is rendered.
- name `string`
  Default is - Name attribute of the input element.
- onChange `func`
  Default is - Callback fired when the value is changed.Signature:function(event: React.ChangeEvent) = voidevent The event source of the callback. You can pull out the new value by accessing event.target.value (string).

- placeholder `string`
  Default is - The short hint displayed in the input before the user enters a value.
- readOnly `bool`
  Default is - It prevents the user from changing the value of the field (not from interacting with the field).
- required `bool`
  Default is - If true, the input element is required. The prop defaults to the value (false) inherited from the parent FormControl component.
- rows `number| string`
  Default is - Number of rows to display when multiline option is set to true.
- slotProps `{ input?: object, root?: object }`
  Default is The extra props for the slot components. You can override the existing props or add new ones.This prop is an alias for the componentsProps prop, which will be deprecated in the future.
- slots `{ input?: elementType, root?: elementType }`
  Default is The components used for each slot inside.This prop is an alias for the components prop, which will be deprecated in the future.
- startAdornment `node`
  Default is - Start InputAdornment for this component.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- type `string`
  Default is 'text' Type of the input element. It should be a valid HTML5 input type.
- value `any`
  Default is - The value of the input element, required for a controlled component.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`InputAdornment` *InputAdornment*

Description

https://mui.com/material-ui/api/input-adornment/

Usage

```
InputAdornment(...)
```

Arguments

`...`	Props to pass to the component.

Details

- position `'end'| 'start'`
  Default is - The position this adornment should appear relative to the Input.
- children `node`
  Default is - The content of the component, normally an IconButton or string.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- disablePointerEvents `bool`
  Default is FALSE Disable pointer events on the root. This allows for the content of the adornment to focus the input on click.
- disableTypography `bool`
  Default is FALSE If children is a string then disable wrapping in a Typography component.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- variant `'filled'| 'outlined'| 'standard'`
  Default is - The variant to use. Note: If you are using the TextField component or the FormControl component you do not have to set this manually.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`InputBase` *InputBase*

Description

https://mui.com/material-ui/api/input-base/

Usage

```
InputBase(...)
```

Arguments

`...`	Props to pass to the component.

Details

- autoComplete `string`
  Default is - This prop helps users to fill forms faster, especially on mobile devices. The name can be confusing, as it's more like an autofill. You can learn more about it following the specification.
- autoFocus `bool`
  Default is - If true, the input element is focused during the first mount.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'primary'| 'secondary'| 'error'| 'info'| 'success'| 'warning'| string`
  Default is - The color of the component. It supports both default and custom theme colors, which can be added as shown in the palette customization guide. The prop defaults to the value ('primary') inherited from the parent FormControl component.
- components `{ Input?: elementType, Root?: elementType }`
  Default is The components used for each slot inside.Deprecated use the slots prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- componentsProps `{ input?: object, root?: object }`
  Default is The extra props for the slot components. You can override the existing props or add new ones.Deprecated use the slotProps prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- defaultValue `any`
  Default is - The default value. Use when the component is not controlled.
- disabled `bool`
  Default is - If true, the component is disabled. The prop defaults to the value (false) inherited from the parent FormControl component.
- disableInjectingGlobalStyles `bool`
  Default is FALSE If true, GlobalStyles for the auto-fill keyframes will not be injected/removed on mount/unmount. Make sure to inject them at the top of your application. This option is intended to help with boosting the initial rendering performance if you are loading a big amount of Input components at once.
- endAdornment `node`
  Default is - End InputAdornment for this component.
- error `bool`
  Default is - If true, the input will indicate an error. The prop defaults to the value (false) inherited from the parent FormControl component.
- fullWidth `bool`
  Default is FALSE If true, the input will take up the full width of its container.
- id `string`
  Default is - The id of the input element.
- inputComponent `element type`
  Default is 'input' The component used for the input element. Either a string to use a HTML element or a component.This needs to be able to hold a ref.

- inputProps `object`
  Default is Attributes applied to the input element.
- inputRef `ref`
  Default is - Pass a ref to the input element.
- margin `'dense'| 'none'`
  Default is - If dense, will adjust vertical spacing. This is normally obtained via context from FormControl. The prop defaults to the value ('none') inherited from the parent FormControl component.
- maxRows `number| string`
  Default is - Maximum number of rows to display when multiline option is set to true.
- minRows `number| string`
  Default is - Minimum number of rows to display when multiline option is set to true.
- multiline `bool`
  Default is FALSE If true, a TextareaAutosize element is rendered.
- name `string`
  Default is - Name attribute of the input element.
- onBlur `func`
  Default is - Callback fired when the input is blurred.Notice that the first argument (event) might be undefined.
- onChange `func`
  Default is - Callback fired when the value is changed.Signature:function(event: React.ChangeEvent) = voidevent The event source of the callback. You can pull out the new value by accessing event.target.value (string).
- onInvalid `func`
  Default is - Callback fired when the input doesn't satisfy its constraints.
- placeholder `string`
  Default is - The short hint displayed in the input before the user enters a value.
- readOnly `bool`
  Default is - It prevents the user from changing the value of the field (not from interacting with the field).
- required `bool`
  Default is - If true, the input element is required. The prop defaults to the value (false) inherited from the parent FormControl component.
- rows `number| string`
  Default is - Number of rows to display when multiline option is set to true.
- size `'medium'| 'small'| string`
  Default is - The size of the component.
- slotProps `{ input?: object, root?: object }`
  Default is The extra props for the slot components. You can override the existing props or add new ones.This prop is an alias for the componentsProps prop, which will be deprecated in the future.
- slots `{ input?: elementType, root?: elementType }`
  Default is The components used for each slot inside.This prop is an alias for the components prop, which will be deprecated in the future.

- startAdornment node
  Default is - Start InputAdornment for this component.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- type `string`
  Default is 'text' Type of the input element. It should be a valid HTML5 input type.
- value `any`
  Default is - The value of the input element, required for a controlled component.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`InputLabel` *InputLabel*

Description

https://mui.com/material-ui/api/input-label/

Usage

```
InputLabel(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children node
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'error'| 'info'| 'primary'| 'secondary'| 'success'| 'warning'| string`
  Default is - The color of the component. It supports both default and custom theme colors, which can be added as shown in the palette customization guide.
- disableAnimation `bool`
  Default is FALSE If true, the transition animation is disabled.
- disabled `bool`
  Default is - If true, the component is disabled.
- error `bool`
  Default is - If true, the label is displayed in an error state.

- focused `bool`
  Default is - If true, the input of this label is focused.
- margin `'dense'`
  Default is - If dense, will adjust vertical spacing. This is normally obtained via context from FormControl.
- required `bool`
  Default is - if true, the label will indicate that the input is required.
- shrink `bool`
  Default is - If true, the label is shrunk.
- size `'medium'| 'small'| string`
  Default is 'medium' The size of the component.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- variant `'filled'| 'outlined'| 'standard'`
  Default is - The variant to use.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`LinearProgress` *LinearProgress*

Description

https://mui.com/material-ui/api/linear-progress/

Usage

```
LinearProgress(...)
```

Arguments

`...`	Props to pass to the component.

Details

- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'inherit'| 'primary'| 'secondary'| string`
  Default is 'primary' The color of the component. It supports both default and custom theme colors, which can be added as shown in the palette customization guide.

- sx Array `func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- value `number`
  Default is - The value of the progress indicator for the determinate and buffer variants. Value between 0 and 100.
- valueBuffer `number`
  Default is - The value for the buffer variant. Value between 0 and 100.
- variant `'buffer'| 'determinate'| 'indeterminate'| 'query'`
  Default is 'indeterminate' The variant to use. Use indeterminate or query when there is no progress value.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Link` *Link*

Description

https://mui.com/material-ui/api/link/

Usage

```
Link(...)
```

Arguments

...	Props to pass to the component.

Details

- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'primary'| 'secondary'| 'success'| 'error'| 'info'| 'warning'| 'textPrimary'| 'textSecondary'| 'textDisabled'| string`
  Default is 'primary' The color of the link.
- component `element type`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.This needs to be able to hold a ref.

- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- TypographyClasses `object`
  Default is - classes prop applied to the Typography element.
- underline `'always'| 'hover'| 'none'`
  Default is 'always' Controls when the link should have an underline.
- variant `'body1'| 'body2'| 'button'| 'caption'| 'h1'| 'h2'| 'h3'| 'h4'| 'h5'| 'h6'| 'inherit'| 'overline'| 'subtitle1'| 'subtitle2'| string`
  Default is 'inherit' Applies the theme typography styles.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`List` *List*

Description

https://mui.com/material-ui/api/list/

Usage

```
List(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- dense `bool`
  Default is FALSE If true, compact vertical padding designed for keyboard and mouse input is used for the list and list items. The prop is available to descendant components as the dense context.
- disablePadding `bool`
  Default is FALSE If true, vertical padding is removed from the list.

- subheader `node`
  Default is - The content of the subheader, normally ListSubheader.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`ListItem` *ListItem*

Description

https://mui.com/material-ui/api/list-item/

Usage

```
ListItem(...)
```

Arguments

`...`	Props to pass to the component.

Details

- alignItems `'center'| 'flex-start'`
  Default is 'center' Defines the align-items style property.
- children `node`
  Default is - The content of the component if a ListItemSecondaryAction is used it must be the last child.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- components `{ Root?: elementType }`
  Default is The components used for each slot inside.Deprecated Use the slots prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- componentsProps `{ root?: object }`
  Default is The extra props for the slot components. You can override the existing props or add new ones.Deprecated Use the slotProps prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.

- ContainerComponent `element type`
  Default is 'li' The container component used when a ListItemSecondaryAction is the last child.This needs to be able to hold a ref.Deprecated Use the component or slots.root prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- ContainerProps `object`
  Default is Props applied to the container component if used.Deprecated Use the slotProps.root prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- dense `bool`
  Default is FALSE If true, compact vertical padding designed for keyboard and mouse input is used. The prop defaults to the value inherited from the parent List component.
- disableGutters `bool`
  Default is FALSE If true, the left and right padding is removed.
- disablePadding `bool`
  Default is FALSE If true, all padding is removed.
- divider `bool`
  Default is FALSE If true, a 1px light border is added to the bottom of the list item.
- secondaryAction `node`
  Default is - The element to display at the end of ListItem.
- slotProps `{ root?: object }`
  Default is The extra props for the slot components. You can override the existing props or add new ones.
- slots `{ root?: elementType }`
  Default is The components used for each slot inside.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`ListItemAvatar` *ListItemAvatar*

Description

https://mui.com/material-ui/api/list-item-avatar/

Usage

```
ListItemAvatar(...)
```

Arguments

`...` Props to pass to the component.

Details

- children `node`
  Default is NA The content of the component, normally an Avatar.
- classes `object`
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.
- sx `Array func| object| bool | func| object`
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`ListItemButton` *ListItemButton*

Description

https://mui.com/material-ui/api/list-item-button/

Usage

```
ListItemButton(...)
```

Arguments

`...` Props to pass to the component.

Details

- alignItems `'center'| 'flex-start'`
  Default is 'center' Defines the align-items style property.
- autoFocus `bool`
  Default is FALSE If true, the list item is focused during the first mount. Focus will also be triggered if the value changes from false to true.
- children `node`
  Default is - The content of the component if a ListItemSecondaryAction is used it must be the last child.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.

- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- dense `bool`
  Default is FALSE If true, compact vertical padding designed for keyboard and mouse input is used. The prop defaults to the value inherited from the parent List component.
- disabled `bool`
  Default is FALSE If true, the component is disabled.
- disableGutters `bool`
  Default is FALSE If true, the left and right padding is removed.
- divider `bool`
  Default is FALSE If true, a 1px light border is added to the bottom of the list item.
- focusVisibleClassName `string`
  Default is - This prop can help identify which element has keyboard focus. The class name will be applied when the element gains the focus through keyboard interaction. It's a polyfill for the CSS :focus-visible selector. The rationale for using this feature is explained here. A polyfill can be used to apply a focus-visible class to other components if needed.
- selected `bool`
  Default is FALSE Use to apply selected styling.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`ListItemIcon` *ListItemIcon*

Description

https://mui.com/material-ui/api/list-item-icon/

Usage

```
ListItemIcon(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children node
  Default is NA The content of the component, normally Icon, SvgIcon, or a @mui/icons-material SVG icon element.
- classes `object`
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.
- sx `Array func| object| bool | func| object`
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`ListItemSecondaryAction` *ListItemSecondaryAction*

Description

https://mui.com/material-ui/api/list-item-secondary-action/

Usage

```
ListItemSecondaryAction(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children node
  Default is NA The content of the component, normally an IconButton or selection control.
- classes `object`
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.
- sx `Array func| object| bool | func| object`
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`ListItemText` *ListItemText*

Description

https://mui.com/material-ui/api/list-item-text/

Usage

```
ListItemText(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - Alias for the primary prop.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- disableTypography `bool`
  Default is FALSE If true, the children won't be wrapped by a Typography component. This can be useful to render an alternative Typography variant by wrapping the children (or primary) text, and optional secondary text with the Typography component.
- inset `bool`
  Default is FALSE If true, the children are indented. This should be used if there is no left avatar or left icon.
- primary `node`
  Default is - The main content element.
- primaryTypographyProps `object`
  Default is - These props will be forwarded to the primary typography component (as long as disableTypography is not true).Deprecated Use slotProps.primary instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- secondary `node`
  Default is - The secondary content element.
- secondaryTypographyProps `object`
  Default is - These props will be forwarded to the secondary typography component (as long as disableTypography is not true).Deprecated Use slotProps.secondary instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- slotProps `{ primary?: func| object, root?: func| object, secondary?: func| object }`
  Default is The props used for each slot inside.
- slots `{ primary?: elementType, root?: elementType, secondary?: elementType }`
  Default is The components used for each slot inside.

- sx Array func| object| bool | func| object
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the sx page for more details.

Value

Object with shiny.tag class suitable for use in the UI of a Shiny app.

ListSubheader *ListSubheader*

Description

https://mui.com/material-ui/api/list-subheader/

Usage

```
ListSubheader(...)
```

Arguments

...	Props to pass to the component.

Details

- children node
  Default is - The content of the component.
- classes object
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color 'default'| 'inherit'| 'primary'
  Default is 'default' The color of the component. It supports those theme colors that make sense for this component.
- component elementType
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- disableGutters bool
  Default is FALSE If true, the List Subheader will not have gutters.
- disableSticky bool
  Default is FALSE If true, the List Subheader will not stick to the top during scroll.
- inset bool
  Default is FALSE If true, the List Subheader is indented.
- sx Array func| object| bool | func| object
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the sx page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Masonry` *Masonry*

Description

https://mui.com/material-ui/api/masonry/

Usage

```
Masonry(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- columns `Array number| string | number| object| string`
  Default is 4 Number of columns.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- defaultColumns `number`
  Default is - The default number of columns of the component. This is provided for server-side rendering.
- defaultHeight `number`
  Default is - The default height of the component in px. This is provided for server-side rendering.
- defaultSpacing `number`
  Default is - The default spacing of the component. Like spacing, it is a factor of the theme's spacing. This is provided for server-side rendering.
- sequential `bool`
  Default is FALSE Allows using sequential order rather than adding to shortest column
- spacing `Array number| string | number| object| string`
  Default is 1 Defines the space between children. It is a factor of the theme's spacing.
- sx `Array func| object| bool | func| object`
  Default is - Allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Menu` *Menu*

Description

https://mui.com/material-ui/api/menu/

Usage

```
Menu(...)

Menu.shinyInput(inputId, ...)

updateMenu.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)
```

Arguments

`...`	Props to pass to the component.
`inputId`	ID of the component.
`session`	Object passed as the ‘session‘ argument to Shiny server.

Details

- open `bool`
  Default is - If true, the component is shown.
- anchorEl `HTML element| func`
  Default is - An HTML element, or a function that returns one. It’s used to set the position of the menu.
- autoFocus `bool`
  Default is TRUE If true (Default) will focus the role="menu" if no focusable child is found. Disabled children are not focusable. If you set this prop to false focus will be placed on the parent modal container. This has severe accessibility implications and should only be considered if you manage focus otherwise.
- children `node`
  Default is - Menu contents, normally MenuItems.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.

- disableAutoFocusItem `bool`
  Default is FALSE When opening the menu will not focus the active item but the role="menu" unless autoFocus is also set to false. Not using the default means not following WAI-ARIA authoring practices. Please be considerate about possible accessibility implications.
- MenuListProps `object`
  Default is Props applied to the MenuList element.Deprecated use the slotProps.list prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- onClose `func`
  Default is - Callback fired when the component requests to be closed.Signature:function(event: object, reason: string) = voidevent The event source of the callback.reason Can be: "escapeKeyDown", "backdropClick", "tabKeyDown".
- PopoverClasses `object`
  Default is - classes prop applied to the Popover element.
- slotProps `{ backdrop?: func| object, list?: func| object, paper?: func| object, root?: func| object,`
  Default is The props used for each slot inside.
- slots `{ backdrop?: elementType, list?: elementType, paper?: elementType, root?: elementType, transit`
  Default is The components used for each slot inside.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- transitionDuration `'auto'| number| { appear?: number, enter?: number, exit?: number }`
  Default is ’auto’ The length of the transition in ms, or ’auto’
- TransitionProps `object`
  Default is Props applied to the transition element. By default, the element is based on this Transition component.Deprecated use the slotProps.transition prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- variant `'menu'| 'selectedMenu'`
  Default is ’selectedMenu’ The variant to use. Use menu to prevent selected items from impacting the initial focus.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`MenuItem` *MenuItem*

Description

https://mui.com/material-ui/api/menu-item/

Usage

```
MenuItem(...)
```

Arguments

...	Props to pass to the component.

Details

- autoFocus `bool`
  Default is FALSE If true, the list item is focused during the first mount. Focus will also be triggered if the value changes from false to true.
- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- dense `bool`
  Default is FALSE If true, compact vertical padding designed for keyboard and mouse input is used. The prop defaults to the value inherited from the parent Menu component.
- disableGutters `bool`
  Default is FALSE If true, the left and right padding is removed.
- divider `bool`
  Default is FALSE If true, a 1px light border is added to the bottom of the menu item.
- focusVisibleClassName `string`
  Default is - This prop can help identify which element has keyboard focus. The class name will be applied when the element gains the focus through keyboard interaction. It's a polyfill for the CSS :focus-visible selector. The rationale for using this feature is explained here. A polyfill can be used to apply a focus-visible class to other components if needed.
- selected `bool`
  Default is FALSE If true, the component is selected.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

MenuList *MenuList*

Description

https://mui.com/material-ui/api/menu-list/

Usage

```
MenuList(...)
```

Arguments

`...`	Props to pass to the component.

Details

- autoFocus `bool`
  Default is FALSE If true, will focus the role="menu" container and move into tab order.
- autoFocusItem `bool`
  Default is FALSE If true, will focus the first menuitem if variant="menu" or selected item if variant="selectedMenu".
- children `node`
  Default is - MenuList contents, normally MenuItems.
- disabledItemsFocusable `bool`
  Default is FALSE If true, will allow focus on disabled items.
- disableListWrap `bool`
  Default is FALSE If true, the menu items will not wrap focus.
- variant `'menu'| 'selectedMenu'`
  Default is 'selectedMenu' The variant to use. Use menu to prevent selected items from impacting the initial focus and the vertical alignment relative to the anchor element.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`MobileStepper` *MobileStepper*

Description

`https://mui.com/material-ui/api/mobile-stepper/`

Usage

```
MobileStepper(...)
```

Arguments

`...`	Props to pass to the component.

Details

- steps `integer`
  Default is - The total steps.
- activeStep `integer`
  Default is 0 Set the active step (zero based index). Defines which dot is highlighted when the variant is 'dots'.
- backButton `node`
  Default is - A back button element. For instance, it can be a Button or an IconButton.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- LinearProgressProps `object`
  Default is - Props applied to the LinearProgress element.Deprecated Use slotProps.progress instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- nextButton `node`
  Default is - A next button element. For instance, it can be a Button or an IconButton.
- position `'bottom'| 'static'| 'top'`
  Default is 'bottom' Set the positioning type.
- slotProps `{ dot?: func| object, dots?: func| object, progress?: func| object, root?: func| object }`
  Default is The props used for each slot inside.
- slots `{ dot?: elementType, dots?: elementType, progress?: elementType, root?: elementType }`
  Default is The components used for each slot inside.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- variant `'dots'| 'progress'| 'text'`
  Default is 'dots' The variant to use.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Modal` *Modal*

Description

https://mui.com/material-ui/api/modal/

Usage

```
Modal(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `element`
  Default is - A single child content element.This needs to be able to hold a ref.
- open `bool`
  Default is - If true, the component is shown.
- BackdropComponent `elementType`
  Default is styled(Backdrop, name: 'MuiModal', slot: 'Backdrop', overridesResolver: (props, styles) = return styles.backdrop; ,)(zIndex: -1,) A backdrop component. This prop enables custom backdrop rendering.Deprecated Use slots.backdrop instead. While this prop currently works, it will be removed in the next major version.
- BackdropProps `object`
  Default is - Props applied to the Backdrop element.Deprecated Use slotProps.backdrop instead.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- closeAfterTransition `bool`
  Default is FALSE When set to true the Modal waits until a nested Transition is completed before closing.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- components `{ Backdrop?: elementType, Root?: elementType }`
  Default is The components used for each slot inside.Deprecated Use the slots prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.

- componentsProps `{ backdrop?: func| object, root?: func| object }`
  Default is The extra props for the slot components. You can override the existing props or add new ones.Deprecated Use the slotProps prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- container `HTML element| func`
  Default is - An HTML element or function that returns one. The container will have the portal children appended to it.You can also provide a callback, which is called in a React layout effect. This lets you set the container from a ref, and also makes server-side rendering possible.By default, it uses the body of the top-level document object, so it's simply document.body most of the time.
- disableAutoFocus `bool`
  Default is FALSE If true, the modal will not automatically shift focus to itself when it opens, and replace it to the last focused element when it closes. This also works correctly with any modal children that have the disableAutoFocus prop.Generally this should never be set to true as it makes the modal less accessible to assistive technologies, like screen readers.
- disableEnforceFocus `bool`
  Default is FALSE If true, the modal will not prevent focus from leaving the modal while open.Generally this should never be set to true as it makes the modal less accessible to assistive technologies, like screen readers.
- disableEscapeKeyDown `bool`
  Default is FALSE If true, hitting escape will not fire the onClose callback.
- disablePortal `bool`
  Default is FALSE The children will be under the DOM hierarchy of the parent component.
- disableRestoreFocus `bool`
  Default is FALSE If true, the modal will not restore focus to previously focused element once modal is hidden or unmounted.
- disableScrollLock `bool`
  Default is FALSE Disable the scroll lock behavior.
- hideBackdrop `bool`
  Default is FALSE If true, the backdrop is not rendered.
- keepMounted `bool`
  Default is FALSE Always keep the children in the DOM. This prop can be useful in SEO situation or when you want to maximize the responsiveness of the Modal.
- onClose `func`
  Default is - Callback fired when the component requests to be closed. The reason parameter can optionally be used to control the response to onClose.Signature:function(event: object, reason: string) = voidevent The event source of the callback.reason Can be: "escapeKeyDown", "backdropClick".
- onTransitionEnter `func`
  Default is - A function called when a transition enters.
- onTransitionExited `func`
  Default is - A function called when a transition has exited.
- slotProps `{ backdrop?: func| object, root?: func| object }`
  Default is The props used for each slot inside the Modal.

- slots `{ backdrop?: elementType, root?: elementType }`
  Default is The components used for each slot inside the Modal. Either a string to use a HTML element or a component.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`muiMaterialDependency` *Mui Charts UI JS dependency*

Description

Mui Charts UI JS dependency

Usage

```
muiMaterialDependency()
```

Value

HTML dependency object.

`muiMaterialExample` *Run muiMaterial example*

Description

Launch a Shiny example app or list the available examples. Use ‘muiMaterial::runExample("showcase")‘ to run a showcase app with all the components.

Usage

```
muiMaterialExample(example = NULL, ...)
```

Arguments

`example`	The name of the example to run, or ‘NULL‘ to retrieve the list of examples.
`...`	Additional arguments to pass to ‘shiny::runApp()‘.

Value

This function normally does not return; interrupt R to stop the application (usually by pressing Ctrl+C or Esc).

See Also

[shiny.blueprint::runExample()] which this function is an adaptation.

---

muiMaterialPage *HTML body without Bootstrap and margins*

Description

Creates a Material UI page without using CssBaseline, so you can use regular Shiny inputs or shiny.router.

Usage

```
muiMaterialPage(
  ...,
  materialSymbols = FALSE,
  addFontRoboto = FALSE,
  suppressBootstrap = TRUE,
  debugReact = FALSE
)
```

Arguments

`...`	The contents of the document body.
`materialSymbols`	List of Material Symbols to add with Google Font API, ex: c("home", "settings").
`addFontRoboto`	Whether to add Roboto font with Google Font API.
`suppressBootstrap`	Whether to suppress Bootstrap.
`debugReact`	Whether to enable react debug mode. Default to FALSE.

Details

The Bootstrap library is suppressed by default, as it doesn't work well with Material UI in general. Some default Material UI styles are apply, i.e. the margin is removed for all browser and the font size.

https://mui.com/material-ui/react-css-baseline/

Value

html object with 'margin:0' which can be passed as the UI of a Shiny app.

NativeSelect *NativeSelect*

Description

https://mui.com/material-ui/api/native-select/

Usage

```
NativeSelect(...)
```

Arguments

...	Props to pass to the component.

Details

- children node
  Default is - The option elements to populate the select with. Can be some option elements.
- classes object
  Default is Override or extend the styles applied to the component.See CSS classes API below for more details.
- IconComponent elementType
  Default is ArrowDropDownIcon The icon that displays the arrow.
- input element
  Default is Input / An Input element; does not have to be a material-ui specific Input.
- inputProps object
  Default is - Attributes applied to the select element.
- onChange func
  Default is - Callback fired when a menu item is selected.Signature:function(event: React.ChangeEvent) = voidevent The event source of the callback. You can pull out the new value by accessing event.target.value (string).
- sx Array func| object| bool | func| object
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the sx page for more details.
- value any
  Default is - The input value. The DOM API casts this to a string.
- variant 'filled'| 'outlined'| 'standard'
  Default is - The variant to use.

Value

Object with shiny.tag class suitable for use in the UI of a Shiny app.

NoSsr *NoSsr*

Description

https://mui.com/material-ui/api/no-ssr/

Usage

```
NoSsr(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children node
  Default is - You can wrap a node.
- defer bool
  Default is FALSE If true, the component will not only prevent server-side rendering. It will also defer the rendering of the children into a different screen frame.
- fallback node
  Default is null The fallback content to display.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

OutlinedInput *OutlinedInput*

Description

https://mui.com/material-ui/api/outlined-input/

Usage

```
OutlinedInput(...)

OutlinedInput.shinyInput(inputId, ..., value = defaultValue)

updateOutlinedInput.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)
```

Arguments

`...` Props to pass to the component.

`inputId` ID of the component.

`value` Starting value.

`session` Object passed as the ‘session‘ argument to Shiny server.

Details

- autoComplete `string`
  Default is - This prop helps users to fill forms faster, especially on mobile devices. The name can be confusing, as it’s more like an autofill. You can learn more about it following the specification.
- autoFocus `bool`
  Default is - If true, the input element is focused during the first mount.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'primary'| 'secondary'| string`
  Default is - The color of the component. It supports both default and custom theme colors, which can be added as shown in the palette customization guide. The prop defaults to the value (’primary’) inherited from the parent FormControl component.
- components `{ Input?: elementType, Root?: elementType }`
  Default is The components used for each slot inside.Deprecated use the slots prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- defaultValue `any`
  Default is - The default value. Use when the component is not controlled.
- disabled `bool`
  Default is - If true, the component is disabled. The prop defaults to the value (false) inherited from the parent FormControl component.
- endAdornment `node`
  Default is - End InputAdornment for this component.
- error `bool`
  Default is - If true, the input will indicate an error. The prop defaults to the value (false) inherited from the parent FormControl component.
- fullWidth `bool`
  Default is FALSE If true, the input will take up the full width of its container.
- id `string`
  Default is - The id of the input element.
- inputComponent `elementType`
  Default is ’input’ The component used for the input element. Either a string to use a HTML element or a component.
- inputProps `object`
  Default is Attributes applied to the input element.

- inputRef `ref`
  Default is - Pass a ref to the input element.
- label `node`
  Default is - The label of the input. It is only used for layout. The actual labelling is handled by InputLabel.
- margin `'dense'| 'none'`
  Default is - If dense, will adjust vertical spacing. This is normally obtained via context from FormControl. The prop defaults to the value ('none') inherited from the parent FormControl component.
- maxRows `number| string`
  Default is - Maximum number of rows to display when multiline option is set to true.
- minRows `number| string`
  Default is - Minimum number of rows to display when multiline option is set to true.
- multiline `bool`
  Default is FALSE If true, a TextareaAutosize element is rendered.
- name `string`
  Default is - Name attribute of the input element.
- notched `bool`
  Default is - If true, the outline is notched to accommodate the label.
- onChange `func`
  Default is - Callback fired when the value is changed.Signature:function(event: React.ChangeEvent) = voidevent The event source of the callback. You can pull out the new value by accessing event.target.value (string).
- placeholder `string`
  Default is - The short hint displayed in the input before the user enters a value.
- readOnly `bool`
  Default is - It prevents the user from changing the value of the field (not from interacting with the field).
- required `bool`
  Default is - If true, the input element is required. The prop defaults to the value (false) inherited from the parent FormControl component.
- rows `number| string`
  Default is - Number of rows to display when multiline option is set to true.
- slots `{ input?: elementType, root?: elementType }`
  Default is The components used for each slot inside.This prop is an alias for the components prop, which will be deprecated in the future.
- startAdornment `node`
  Default is - Start InputAdornment for this component.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- type `string`
  Default is 'text' Type of the input element. It should be a valid HTML5 input type.
- value `any`
  Default is - The value of the input element, required for a controlled component.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Pagination` *Pagination*

Description

https://mui.com/material-ui/api/pagination/

Usage

```
Pagination(...)
```

Arguments

`...`	Props to pass to the component.

Details

- boundaryCount `integer`
  Default is 1 Number of always visible pages at the beginning and end.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'primary'| 'secondary'| 'standard'| string`
  Default is 'standard' The active color. It supports both default and custom theme colors, which can be added as shown in the palette customization guide.
- count `integer`
  Default is 1 The total number of pages.
- defaultPage `integer`
  Default is 1 The page selected by default when the component is uncontrolled.
- disabled `bool`
  Default is FALSE If true, the component is disabled.
- getItemAriaLabel `func`
  Default is - Accepts a function which returns a string value that provides a user-friendly name for the current page. This is important for screen reader users.For localization purposes, you can use the provided translations.Signature:function(type: string, page: number | null, selected: boolean) = stringtype The link or button type to format ('page' | 'first' | 'last' | 'next' | 'previous' | 'start-ellipsis' | 'end-ellipsis'). Defaults to 'page'.page The page number to format.selected If true, the current page is selected.
- hideNextButton `bool`
  Default is FALSE If true, hide the next-page button.
- hidePrevButton `bool`
  Default is FALSE If true, hide the previous-page button.

- onChange `func`
  Default is - Callback fired when the page is changed.Signature:function(event: React.ChangeEvent, page: number) = voidevent The event source of the callback.page The page selected.
- page `integer`
  Default is - The current page. Unlike TablePagination, which starts numbering from 0, this pagination starts from 1.
- renderItem `func`
  Default is (item) = PaginationItem ...item / Render the item.Signature:function(params: PaginationRenderItemParams) = ReactNodeparams The props to spread on a PaginationItem.
- shape `'circular'| 'rounded'`
  Default is 'circular' The shape of the pagination items.
- showFirstButton `bool`
  Default is FALSE If true, show the first-page button.
- showLastButton `bool`
  Default is FALSE If true, show the last-page button.
- siblingCount `integer`
  Default is 1 Number of always visible pages before and after the current page.
- size `'small'| 'medium'| 'large'| string`
  Default is 'medium' The size of the component.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- variant `'outlined'| 'text'| string`
  Default is 'text' The variant to use.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`PaginationItem` *PaginationItem*

Description

https://mui.com/material-ui/api/pagination-item/

Usage

```
PaginationItem(...)
```

Arguments

`...`	Props to pass to the component.

Details

- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'primary'| 'secondary'| 'standard'| string`
  Default is 'standard' The active color. It supports both default and custom theme colors, which can be added as shown in the palette customization guide.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- components `{ first?: elementType, last?: elementType, next?: elementType, previous?: elementType }`
  Default is The components used for each slot inside.This prop is an alias for the slots prop. It's recommended to use the slots prop instead.Deprecated use the slots prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- disabled `bool`
  Default is FALSE If true, the component is disabled.
- page `node`
  Default is - The current page number.
- selected `bool`
  Default is FALSE If true the pagination item is selected.
- shape `'circular'| 'rounded'`
  Default is 'circular' The shape of the pagination item.
- size `'small'| 'medium'| 'large'| string`
  Default is 'medium' The size of the component.
- slotProps `{ first?: func| object, last?: func| object, next?: func| object, previous?: func| object }`
  Default is The props used for each slot inside.
- slots `{ first?: elementType, last?: elementType, next?: elementType, previous?: elementType }`
  Default is The components used for each slot inside.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- type `'end-ellipsis'| 'first'| 'last'| 'next'| 'page'| 'previous'| 'start-ellipsis'`
  Default is 'page' The type of pagination item.
- variant `'outlined'| 'text'| string`
  Default is 'text' The variant to use.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Paper` *Paper*

Description

https://mui.com/material-ui/api/paper/

Usage

```
Paper(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- elevation `integer`
  Default is 1 Shadow depth, corresponds to dp in the spec. It accepts values between 0 and 24 inclusive.
- square `bool`
  Default is FALSE If true, rounded corners are disabled.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- variant `'elevation'| 'outlined'| string`
  Default is 'elevation' The variant to use.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

PigmentContainer *PigmentContainer*

Description

https://mui.com/material-ui/api/pigment-container/

Usage

```
PigmentContainer(...)
```

Arguments

`...`	Props to pass to the component.

Details

- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- disableGutters `bool`
  Default is FALSE If true, the left and right padding is removed.
- fixed `bool`
  Default is FALSE Set the max-width to match the min-width of the current breakpoint. This is useful if you'd prefer to design for a fixed set of sizes instead of trying to accommodate a fully fluid viewport. It's fluid by default.
- maxWidth `'lg'| 'md'| 'sm'| 'xl'| 'xs'| false`
  Default is 'lg' Determine the max-width of the container. The container width grows with the size of the screen. Set to false to disable maxWidth.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`PigmentGrid` *PigmentGrid*

Description

https://mui.com/material-ui/api/pigment-grid/

Usage

```
PigmentGrid(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - The content of the component.
- columns `Array number | number| object`
  Default is 12 The number of columns.
- columnSpacing `Array number| string | number| object| string`
  Default is - Defines the horizontal space between the type item components. It overrides the value of the spacing prop.
- container `bool`
  Default is FALSE If true, the component will have the flex container behavior. You should be wrapping items with a container.
- direction `'column'| 'column-reverse'| 'row'| 'row-reverse'| Array 'column'| 'column-reverse'| 'row'|`
  Default is 'row' Defines the flex-direction style property. It is applied for all screen sizes.
- offset `Array number | number| object`
  Default is - Defines the offset of the grid.
- rowSpacing `Array number| string | number| object| string`
  Default is - Defines the vertical space between the type item components. It overrides the value of the spacing prop.
- size `Array number | number| object`
  Default is - Defines the column size of the grid.
- spacing `Array number| string | number| object| string`
  Default is 0 Defines the space between the type item components. It can only be used on a type container component.
- wrap `'nowrap'| 'wrap-reverse'| 'wrap'`
  Default is 'wrap' Defines the flex-wrap style property. It's applied for all screen sizes.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

PigmentStack *PigmentStack*

Description

https://mui.com/material-ui/api/pigment-stack/

Usage

```
PigmentStack(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - The content of the component.
- direction `'column-reverse'| 'column'| 'row-reverse'| 'row'| Array 'column-reverse'| 'column'| 'row-r`
  Default is 'column' Defines the flex-direction style property. It is applied for all screen sizes.
- divider `node`
  Default is - Add an element between each child.
- spacing `Array number| string | number| { lg?: number| string, md?: number| string, sm?: number| strin`
  Default is 0 Defines the space between immediate children.
- sx `Array func| object| bool | func| object`
  Default is - The system prop, which allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Popover *Popover*

Description

https://mui.com/material-ui/api/popover/

Usage

```
Popover(...)
```

Arguments

`...` Props to pass to the component.

Details

- open `bool`
  Default is - If true, the component is shown.
- action `ref`
  Default is - A ref for imperative actions. It currently only supports updatePosition() action.
- anchorEl `HTML element| func`
  Default is - An HTML element, PopoverVirtualElement, or a function that returns either. It's used to set the position of the popover.
- anchorOrigin `{ horizontal: 'center'| 'left'| 'right'| number, vertical: 'bottom'| 'center'| 'top'| n`
  Default is vertical: 'top', horizontal: 'left', This is the point on the anchor where the popover's anchorEl will attach to. This is not used when the anchorReference is 'anchorPosition'.Options: vertical: top, center, bottom; horizontal: left, center, right.
- anchorPosition `{ left: number, top: number }`
  Default is - This is the position that may be used to set the position of the popover. The coordinates are relative to the application's client area.
- anchorReference `'anchorEl'| 'anchorPosition'| 'none'`
  Default is 'anchorEl' This determines which anchor prop to refer to when setting the position of the popover.
- BackdropComponent `elementType`
  Default is styled(Backdrop, name: 'MuiModal', slot: 'Backdrop', overridesResolver: (props, styles) = return styles.backdrop; ,)(zIndex: -1,) A backdrop component. This prop enables custom backdrop rendering.Deprecated Use slots.backdrop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- BackdropProps `object`
  Default is - Props applied to the Backdrop element.Deprecated Use slotProps.backdrop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- container `HTML element| func`
  Default is - An HTML element, component instance, or function that returns either. The container will passed to the Modal component.By default, it uses the body of the anchorEl's top-level document object, so it's simply document.body most of the time.
- disableScrollLock `bool`
  Default is FALSE Disable the scroll lock behavior.
- elevation `integer`
  Default is 8 The elevation of the popover.

- marginThreshold `number`
  Default is 16 Specifies how close to the edge of the window the popover can appear. If null, the popover will not be constrained by the window.
- onClose `func`
  Default is - Callback fired when the component requests to be closed. The reason parameter can optionally be used to control the response to onClose.
- PaperProps `{ component?: element type }`
  Default is Props applied to the Paper element.This prop is an alias for slotProps.paper and will be overriden by it if both are used.Deprecated Use slotProps.paper instead.
- slotProps `{ backdrop?: func| object, paper?: func| object, root?: func| object, transition?: func| ob`
  Default is The props used for each slot inside.
- slots `{ backdrop?: elementType, paper?: elementType, root?: elementType, transition?: elementType }`
  Default is The components used for each slot inside.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- transformOrigin `{ horizontal: 'center'| 'left'| 'right'| number, vertical: 'bottom'| 'center'| 'top'`
  Default is vertical: 'top', horizontal: 'left', This is the point on the popover which will attach to the anchor's origin.Options: vertical: top, center, bottom, x(px); horizontal: left, center, right, x(px).
- TransitionComponent `elementType`
  Default is Grow The component used for the transition. Follow this guide to learn more about the requirements for this component.Deprecated use the slots.transition prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- transitionDuration `'auto'| number| { appear?: number, enter?: number, exit?: number }`
  Default is 'auto' Set to 'auto' to automatically calculate transition time based on height.
- TransitionProps `object`
  Default is Props applied to the transition element. By default, the element is based on this Transition component.Deprecated use the slotProps.transition prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Popper` *Popper*

Description

https://mui.com/material-ui/api/popper/

Usage

```
Popper(...)
```

Arguments

`...` Props to pass to the component.

Details

- open `bool`
  Default is - If true, the component is shown.
- anchorEl `HTML element| object| func`
  Default is - An HTML element, virtualElement, or a function that returns either. It's used to set the position of the popper. The return value will passed as the reference object of the Popper instance.
- children `node| func`
  Default is - Popper render function or node.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- components `{ Root?: elementType }`
  Default is The components used for each slot inside the Popper. Either a string to use a HTML element or a component.Deprecated use the slots prop instead. This prop will be removed in a future major release. How to migrate.
- componentsProps `{ root?: func| object }`
  Default is The props used for each slot inside the Popper.Deprecated use the slotProps prop instead. This prop will be removed in a future major release. How to migrate.
- container `HTML element| func`
  Default is - An HTML element or function that returns one. The container will have the portal children appended to it.You can also provide a callback, which is called in a React layout effect. This lets you set the container from a ref, and also makes server-side rendering possible.By default, it uses the body of the top-level document object, so it's simply document.body most of the time.
- disablePortal `bool`
  Default is FALSE The children will be under the DOM hierarchy of the parent component.
- keepMounted `bool`
  Default is FALSE Always keep the children in the DOM. This prop can be useful in SEO situation or when you want to maximize the responsiveness of the Popper.
- modifiers `Array { data?: object, effect?: func, enabled?: bool, fn?: func, name?: any, options?: obje`
  Default is - Popper.js is based on a "plugin-like" architecture, most of its features are fully encapsulated "modifiers".A modifier is a function that is called each time Popper.js needs to compute the position of the popper. For this reason, modifiers should be very performant to avoid bottlenecks. To learn how to create a modifier, read the modifiers documentation.
- placement `'auto-end'| 'auto-start'| 'auto'| 'bottom-end'| 'bottom-start'| 'bottom'| 'left-end'| 'left-start'| 'left'| 'right-end'| 'right-start'| 'right'| 'top-end'|`

`'top-start'| 'top'`
Default is ’bottom’ Popper placement.

- popperOptions `{ modifiers?: array, onFirstUpdate?: func, placement?: 'auto-end'| 'auto-start'| 'aut`
  Default is Options provided to the Popper.js instance.
- popperRef `ref`
  Default is - A ref that points to the used popper instance.
- slotProps `{ root?: func| object }`
  Default is The props used for each slot inside the Popper.
- slots `{ root?: elementType }`
  Default is The components used for each slot inside the Popper. Either a string to use a HTML element or a component.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- transition `bool`
  Default is FALSE Help supporting a react-transition-group/Transition component.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Portal` *Portal*

Description

https://mui.com/material-ui/api/portal/

Usage

```
Portal(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - The children to render into the container.
- container `HTML element| func`
  Default is - An HTML element or function that returns one. The container will have the portal children appended to it.You can also provide a callback, which is called in a React layout effect. This lets you set the container from a ref, and also makes server-side rendering possible.By default, it uses the body of the top-level document object, so it’s simply document.body most of the time.
- disablePortal `bool`
  Default is FALSE The children will be under the DOM hierarchy of the parent component.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Radio` *Radio*

Description

https://mui.com/material-ui/api/radio/

Usage

```
Radio(...)

Radio.shinyInput(inputId, ..., value = defaultValue)

updateRadio.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)
```

Arguments

`...`	Props to pass to the component.
`inputId`	ID of the component.
`value`	Starting value.
`session`	Object passed as the ‘session‘ argument to Shiny server.

Details

- checked `bool`
  Default is - If true, the component is checked.
- checkedIcon `node`
  Default is RadioButtonIcon checked / The icon to display when the component is checked.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'default'| 'primary'| 'secondary'| 'error'| 'info'| 'success'| 'warning'| string`
  Default is ’primary’ The color of the component. It supports both default and custom theme colors, which can be added as shown in the palette customization guide.
- disabled `bool`
  Default is - If true, the component is disabled.

- disableRipple `bool`
  Default is FALSE If true, the ripple effect is disabled.

- icon `node`
  Default is RadioButtonIcon / The icon to display when the component is unchecked.

- id `string`
  Default is - The id of the input element.

- inputProps `object`
  Default is - Attributes applied to the input element.Deprecated Use slotProps.input instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.

- inputRef `ref`
  Default is - Pass a ref to the input element.Deprecated Use slotProps.input.ref instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.

- name `string`
  Default is - Name attribute of the input element.

- onChange `func`
  Default is - Callback fired when the state is changed.Signature:function(event: React.ChangeEvent) = voidevent The event source of the callback. You can pull out the new value by accessing event.target.value (string). You can pull out the new checked state by accessing event.target.checked (boolean).

- required `bool`
  Default is FALSE If true, the input element is required.

- size `'medium'| 'small'| string`
  Default is 'medium' The size of the component. small is equivalent to the dense radio styling.

- slotProps `{ input?: func| object, root?: func| object }`
  Default is The props used for each slot inside.

- slots `{ input?: elementType, root?: elementType }`
  Default is The components used for each slot inside.

- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

- value `any`
  Default is - The value of the component. The DOM API casts this to a string.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

RadioGroup *RadioGroup*

Description

https://mui.com/material-ui/api/radio-group/

Usage

```
RadioGroup(...)

RadioGroup.shinyInput(inputId, ..., value = defaultValue)

updateRadioGroup.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)
```

Arguments

`...`	Props to pass to the component.
`inputId`	ID of the component.
`value`	Starting value.
`session`	Object passed as the ‘session‘ argument to Shiny server.

Details

- children node
  Default is NA The content of the component.
- defaultValue any
  Default is NA The default value. Use when the component is not controlled.
- name `string`
  Default is NA The name used to reference the value of the control. If you don’t provide this prop, it falls back to a randomly generated name.
- onChange `func`
  Default is NA Callback fired when a radio button is selected.Signature:function(event: React.ChangeEvent, value: string) = voidevent The event source of the callback.value The value of the selected radio button. You can pull out the new value by accessing event.target.value (string).
- value any
  Default is NA Value of the selected radio button. The DOM API casts this to a string.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Rating *Rating*

Description

https://mui.com/material-ui/api/rating/

Usage

```
Rating(...)

Rating.shinyInput(inputId, ..., value = defaultValue)

updateRating.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)
```

Arguments

`...`	Props to pass to the component.
`inputId`	ID of the component.
`value`	Starting value.
`session`	Object passed as the ‘session‘ argument to Shiny server.

Details

- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- defaultValue `number`
  Default is null The default value. Use when the component is not controlled.
- disabled `bool`
  Default is FALSE If true, the component is disabled.
- emptyIcon node
  Default is StarBorder fontSize="inherit" / The icon to display when empty.
- emptyLabelText node
  Default is 'Empty' The label read when the rating input is empty.

- getLabelText `func`
  Default is function defaultLabelText(value) return `$value || '0' Star$value !== 1 ? 's' : ''`; Accepts a function which returns a string value that provides a user-friendly name for the current value of the rating. This is important for screen reader users.For localization purposes, you can use the provided translations.Signature:function(value: number) = stringvalue The rating label's value to format.
- highlightSelectedOnly `bool`
  Default is FALSE If true, only the selected icon will be highlighted.
- icon `node`
  Default is Star fontSize="inherit" / The icon to display.
- IconContainerComponent `elementType`
  Default is function IconContainer(props) const value, ...other = props; return span ...other / ; The component containing the icon.Deprecated Use slotProps.icon.component instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- max `number`
  Default is 5 Maximum rating.
- name `string`
  Default is - The name attribute of the radio input elements. This input name should be unique within the page. Being unique within a form is insufficient since the name is used to generate IDs.
- onChange `func`
  Default is - Callback fired when the value changes.Signature:function(event: React.SyntheticEvent, value: number | null) = voidevent The event source of the callback.value The new value.
- onChangeActive `func`
  Default is - Callback function that is fired when the hover state changes.Signature:function(event: React.SyntheticEvent, value: number) = voidevent The event source of the callback.value The new value.
- precision `number`
  Default is 1 The minimum increment value change allowed.
- readOnly `bool`
  Default is FALSE Removes all hover effects and pointer events.
- size `'small'| 'medium'| 'large'| string`
  Default is 'medium' The size of the component.
- slotProps `{ decimal?: func| object, icon?: func| object, label?: func| object, root?: func| object }`
  Default is The props used for each slot inside.
- slots `{ decimal?: elementType, icon?: elementType, label?: elementType, root?: elementType }`
  Default is The components used for each slot inside.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- value `number`
  Default is - The rating value.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`ScopedCssBaseline` *ScopedCssBaseline*

Description

https://mui.com/material-ui/api/scoped-css-baseline/

Usage

```
ScopedCssBaseline(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is NA The content of the component.
- classes `object`
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is NA The component used for the root node. Either a string to use a HTML element or a component.
- enableColorScheme `bool`
  Default is NA Enable color-scheme CSS property to use theme.palette.mode. For more details, check out https://developer.mozilla.org/en-US/docs/Web/CSS/color-scheme For browser support, check out https://caniuse.com/?search=color-scheme
- sx `Array func| object| bool | func| object`
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Select *Select*

Description

https://mui.com/material-ui/api/select/

Usage

```
Select(...)

Select.shinyInput(inputId, ..., value = defaultValue)

updateSelect.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)
```

Arguments

`...`	Props to pass to the component.
`inputId`	ID of the component.
`value`	Starting value.
`session`	Object passed as the ‘session‘ argument to Shiny server.

Details

- autoWidth `bool`
  Default is FALSE If true, the width of the popover will automatically be set according to the items inside the menu, otherwise it will be at least the width of the select input.
- children `node`
  Default is - The option elements to populate the select with. Can be some MenuItem when native is false and option when native is true. The MenuItem elements must be direct descendants when native is false.
- classes `object`
  Default is Override or extend the styles applied to the component.See CSS classes API below for more details.
- defaultOpen `bool`
  Default is FALSE If true, the component is initially open. Use when the component open state is not controlled (i.e. the open prop is not defined). You can only use it when the native prop is false (default).
- defaultValue `any`
  Default is - The default value. Use when the component is not controlled.

- displayEmpty `bool`
  Default is FALSE If true, a value is displayed even if no items are selected.In order to display a meaningful value, a function can be passed to the renderValue prop which returns the value to be displayed when no items are selected. When using this prop, make sure the label doesn't overlap with the empty displayed value. The label should either be hidden or forced to a shrunk state.
- IconComponent `elementType`
  Default is ArrowDropDownIcon The icon that displays the arrow.
- id `string`
  Default is - The id of the wrapper element or the select element when native.
- input `element`
  Default is - An Input element; does not have to be a material-ui specific Input.
- inputProps `object`
  Default is - Attributes applied to the input element. When native is true, the attributes are applied on the select element.
- label `node`
  Default is - See OutlinedInput#label
- labelId `string`
  Default is - The ID of an element that acts as an additional label. The Select will be labelled by the additional label and the selected value.
- MenuProps `object`
  Default is - Props applied to the Menu element.
- multiple `bool`
  Default is FALSE If true, value must be an array and the menu will support multiple selections.
- native `bool`
  Default is FALSE If true, the component uses a native select element.
- onChange `func`
  Default is - Callback fired when a menu item is selected.Signature:function(event: SelectChangeEvent, child?: object) = voidevent The event source of the callback. You can pull out the new value by accessing event.target.value (any). Warning: This is a generic event, not a change event, unless the change event is caused by browser autofill.child The react element that was selected when native is false (default).
- onClose `func`
  Default is - Callback fired when the component requests to be closed. Use it in either controlled (see the open prop), or uncontrolled mode (to detect when the Select collapses).Signature:function(event: object) = voidevent The event source of the callback.
- onOpen `func`
  Default is - Callback fired when the component requests to be opened. Use it in either controlled (see the open prop), or uncontrolled mode (to detect when the Select expands).Signature:function(event: object) = voidevent The event source of the callback.
- open `bool`
  Default is - If true, the component is shown. You can only use it when the native prop is false (default).

- renderValue `func`
  Default is - Render the selected value. You can only use it when the native prop is false (default).Signature:function(value: any) = ReactNodevalue The value provided to the component.
- SelectDisplayProps `object`
  Default is - Props applied to the clickable div element.
- sx `Array`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- value `''| any`
  Default is - The input value. Providing an empty string will select no options. Set to an empty string " if you don't want any of the available options to be selected.If the value is an object it must have reference equality with the option in order to be selected. If the value is not an object, the string representation must match with the string representation of the option in order to be selected.
- variant `'filled'| 'outlined'| 'standard'`
  Default is 'outlined' The variant to use.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Skeleton` *Skeleton*

Description

https://mui.com/material-ui/api/skeleton/

Usage

```
Skeleton(...)
```

Arguments

`...`	Props to pass to the component.

Details

- animation `'pulse'| 'wave'| false`
  Default is 'pulse' The animation. If false the animation effect is disabled.
- children `node`
  Default is - Optional children to infer width and height from.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.

- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- height `number| string`
  Default is - Height of the skeleton. Useful when you don't want to adapt the skeleton to a text element but for instance a card.
- sx `Array`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- variant `'circular'| 'rectangular'| 'rounded'| 'text'| string`
  Default is 'text' The type of content that will be rendered.
- width `number| string`
  Default is - Width of the skeleton. Useful when the skeleton is inside an inline element with no width of its own.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Slide` *Slide*

Description

https://mui.com/material-ui/api/slide/

Usage

```
Slide(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `element`
  Default is - A single child content element.This needs to be able to hold a ref.
- addEndListener `func`
  Default is - Add a custom transition end trigger. Called with the transitioning DOM node and a done callback. Allows for more fine grained transition end logic. Note: Timeouts are still used as a fallback if provided.
- appear `bool`
  Default is TRUE Perform the enter transition when it first mounts if in is also true. Set this to false to disable this behavior.

- container `HTML element| func`
  Default is - An HTML element, or a function that returns one. It's used to set the container the Slide is transitioning from.
- direction `'down'| 'left'| 'right'| 'up'`
  Default is 'down' Direction the child node will enter from.
- easing `{ enter?: string, exit?: string }| string`
  Default is enter: theme.transitions.easing.easeOut, exit: theme.transitions.easing.sharp, The transition timing function. You may specify a single easing or a object containing enter and exit values.
- in `bool`
  Default is - If true, the component will transition in.
- timeout `number| { appear?: number, enter?: number, exit?: number }`
  Default is enter: theme.transitions.duration.enteringScreen, exit: theme.transitions.duration.leavingScreen, The duration for the transition, in milliseconds. You may specify a single timeout for all transitions, or individually with an object.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Slider` *Slider*

Description

https://mui.com/material-ui/api/slider/

Usage

```
Slider(...)

Slider.shinyInput(inputId, ..., value = defaultValue)

updateSlider.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)
```

Arguments

`...`	Props to pass to the component.
`inputId`	ID of the component.
`value`	Starting value.
`session`	Object passed as the 'session' argument to Shiny server.

Details

- aria-label `string`
  Default is - The label of the slider.
- aria-labelledby `string`
  Default is - The id of the element containing a label for the slider.
- aria-valuetext `string`
  Default is - A string value that provides a user-friendly name for the current value of the slider.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'primary'| 'secondary'| 'error'| 'info'| 'success'| 'warning'| string`
  Default is 'primary' The color of the component. It supports both default and custom theme colors, which can be added as shown in the palette customization guide.
- components `{ Input?: elementType, Mark?: elementType, MarkLabel?: elementType, Rail?: elementType,`
  Default is The components used for each slot inside.Deprecated use the slots prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- componentsProps `{ input?: func| object, mark?: func| object, markLabel?: func| object, rail?: func|`
  Default is The extra props for the slot components. You can override the existing props or add new ones.Deprecated use the slotProps prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- defaultValue `Array`
  Default is - The default value. Use when the component is not controlled.
- disabled `bool`
  Default is FALSE If true, the component is disabled.
- disableSwap `bool`
  Default is FALSE If true, the active thumb doesn't swap when moving pointer over a thumb while dragging another thumb.
- getAriaLabel `func`
  Default is - Accepts a function which returns a string value that provides a user-friendly name for the thumb labels of the slider. This is important for screen reader users.Signature:function(index: number) = stringindex The thumb label's index to format.
- getAriaValueText `func`
  Default is - Accepts a function which returns a string value that provides a user-friendly name for the current value of the slider. This is important for screen reader users.Signature:function(value: number, index: number) = stringvalue The thumb label's value to format.index The thumb label's index to format.
- marks `Array { label?: node, value: number } | bool`
  Default is FALSE Marks indicate predetermined values to which the user can move the slider. If true the marks are spaced according the value of the step prop. If an array, it should contain objects with value and an optional label keys.
- max `number`
  Default is 100 The maximum allowed value of the slider. Should not be equal to min.

- min `number`
  Default is 0 The minimum allowed value of the slider. Should not be equal to max.
- name `string`
  Default is - Name attribute of the hidden input element.
- onChange `func`
  Default is - Callback function that is fired when the slider's value changed.Signature:function(event: Event, value: Value, activeThumb: number) = voidevent The event source of the callback. You can pull out the new value by accessing event.target.value (any). Warning: This is a generic event not a change event.value The new value.activeThumb Index of the currently moved thumb.
- onChangeCommitted `func`
  Default is - Callback function that is fired when the mouseup is triggered.Signature:function(event: React.SyntheticEvent | Event, value: Value) = voidevent The event source of the callback. Warning: This is a generic event not a change event.value The new value.
- orientation `'horizontal'| 'vertical'`
  Default is 'horizontal' The component orientation.
- scale `func`
  Default is function Identity(x) return x; A transformation function, to change the scale of the slider.Signature:function(x: any) = any
- shiftStep `number`
  Default is 10 The granularity with which the slider can step through values when using Page Up/Page Down or Shift + Arrow Up/Arrow Down.
- size `'small'| 'medium'| string`
  Default is 'medium' The size of the slider.
- slotProps `{ input?: func| object, mark?: func| object, markLabel?: func| object, rail?: func| object,`
  Default is The props used for each slot inside the Slider.
- slots `{ input?: elementType, mark?: elementType, markLabel?: elementType, rail?: elementType, root?:`
  Default is The components used for each slot inside the Slider. Either a string to use a HTML element or a component.
- step `number`
  Default is 1 The granularity with which the slider can step through values. (A "discrete" slider.) The min prop serves as the origin for the valid values. We recommend (max - min) to be evenly divisible by the step.When step is null, the thumb can only be slid onto marks provided with the marks prop.
- sx `Array`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- tabIndex `number`
  Default is - Tab index attribute of the hidden input element.
- track `'inverted'| 'normal'| false`
  Default is 'normal' The track presentation: normal the track will render a bar representing the slider value. inverted the track will render a bar representing the remaining slider value. false the track will render without a bar.
- value `Array`
  Default is - The value of the slider. For ranged sliders, provide an array with two values.

- valueLabelDisplay `'auto'| 'off'| 'on'`
  Default is 'off' Controls when the value label is displayed: auto the value label will display when the thumb is hovered or focused. on will display persistently. off will never display.
- valueLabelFormat `func| string`
  Default is function Identity(x) return x; The format function the value label's value.When a function is provided, it should have the following signature:- number value The value label's value to format - number index The value label's index to format

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Snackbar` *Snackbar*

Description

https://mui.com/material-ui/api/snackbar/

Usage

```
Snackbar(...)
```

Arguments

`...`	Props to pass to the component.

Details

- action `node`
  Default is - The action to display. It renders after the message, at the end of the snackbar.
- anchorOrigin `{ horizontal: 'center'| 'left'| 'right', vertical: 'bottom'| 'top' }`
  Default is vertical: 'bottom', horizontal: 'left' The anchor of the Snackbar. On smaller screens, the component grows to occupy all the available width, the horizontal alignment is ignored.
- autoHideDuration `number`
  Default is null The number of milliseconds to wait before automatically calling the onClose function. onClose should then set the state of the open prop to hide the Snackbar. This behavior is disabled by default with the null value.
- children `element`
  Default is - Replace the SnackbarContent component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.

- ClickAwayListenerProps `object`
  Default is - Props applied to the ClickAwayListener element.Deprecated Use slotProps.clickAwayListener instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- ContentProps `object`
  Default is - Props applied to the SnackbarContent element.Deprecated Use slotProps.content instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- disableWindowBlurListener `bool`
  Default is FALSE If true, the autoHideDuration timer will expire even if the window is not focused.
- key `any`
  Default is - When displaying multiple consecutive snackbars using a single parent-rendered Snackbar, add the key prop to ensure independent treatment of each message. For instance, use Snackbar key=message. Otherwise, messages might update in place, and features like autoHideDuration could be affected.
- message `node`
  Default is - The message to display.
- onClose `func`
  Default is - Callback fired when the component requests to be closed. Typically onClose is used to set state in the parent component, which is used to control the Snackbar open prop. The reason parameter can optionally be used to control the response to onClose, for example ignoring clickaway.Signature:function(event: React.SyntheticEvent | Event, reason: string) = voidevent The event source of the callback.reason Can be: "timeout" (autoHideDuration expired), "clickaway", or "escapeKeyDown".
- open `bool`
  Default is - If true, the component is shown.
- resumeHideDuration `number`
  Default is - The number of milliseconds to wait before dismissing after user interaction. If autoHideDuration prop isn't specified, it does nothing. If autoHideDuration prop is specified but resumeHideDuration isn't, we default to autoHideDuration / 2 ms.
- slotProps `{ clickAwayListener?: func| { children: element, disableReactTree?: bool, mouseEvent?: 'on`
  Default is The props used for each slot inside.
- slots `{ clickAwayListener?: elementType, content?: elementType, root?: elementType, transition?: el`
  Default is The components used for each slot inside.
- sx `Array`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- TransitionComponent `elementType`
  Default is Grow The component used for the transition. Follow this guide to learn more about the requirements for this component.Deprecated Use slots.transition instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- transitionDuration `number| { appear?: number, enter?: number, exit?: number }`
  Default is enter: theme.transitions.duration.enteringScreen, exit: theme.transitions.duration.leavingScreen, The duration for the transition, in milliseconds. You may specify a single timeout for all transitions, or individually with an object.

- TransitionProps `object`
  Default is Props applied to the transition element. By default, the element is based on this Transition component.Deprecated Use slotProps.transition instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`SnackbarContent` *SnackbarContent*

Description

https://mui.com/material-ui/api/snackbar-content/

Usage

```
SnackbarContent(...)
```

Arguments

`...`	Props to pass to the component.

Details

- action `node`
  Default is - The action to display. It renders after the message, at the end of the snackbar.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- message `node`
  Default is - The message to display.
- role `string`
  Default is 'alert' The ARIA role attribute of the element.
- sx `Array`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`SpeedDial` *SpeedDial*

Description

https://mui.com/material-ui/api/speed-dial/

Usage

```
SpeedDial(...)
```

Arguments

`...`	Props to pass to the component.

Details

- ariaLabel `string`
  Default is - The aria-label of the button element. Also used to provide the id for the SpeedDial element and its children.
- children `node`
  Default is - SpeedDialActions to display when the SpeedDial is open.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- direction `'down'| 'left'| 'right'| 'up'`
  Default is 'up' The direction the actions open relative to the floating action button.
- FabProps `object`
  Default is Props applied to the Fab element.
- hidden `bool`
  Default is FALSE If true, the SpeedDial is hidden.
- icon `node`
  Default is - The icon to display in the SpeedDial Fab. The SpeedDialIcon component provides a default Icon with animation.
- onClose `func`
  Default is - Callback fired when the component requests to be closed.Signature:function(event: object, reason: string) = voidevent The event source of the callback.reason Can be: "toggle", "blur", "mouseLeave", "escapeKeyDown".
- onOpen `func`
  Default is - Callback fired when the component requests to be open.Signature:function(event: object, reason: string) = voidevent The event source of the callback.reason Can be: "toggle", "focus", "mouseEnter".
- open `bool`
  Default is - If true, the component is shown.

- openIcon `node`
  Default is - The icon to display in the SpeedDial Fab when the SpeedDial is open.
- slotProps `{ root?: func| object, transition?: func| object }`
  Default is The props used for each slot inside.
- slots `{ root?: elementType, transition?: elementType }`
  Default is The components used for each slot inside.
- sx `Array`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- TransitionComponent `elementType`
  Default is Zoom * @deprecated Use `slots.transition` instead. This prop will be removed in a future major release. The component used for the transition. Follow this guide to learn more about the requirements for this component.Deprecated Use slots.transition instead. This prop will be removed in a future major release. How to migrate
- transitionDuration `number| { appear?: number, enter?: number, exit?: number }`
  Default is enter: theme.transitions.duration.enteringScreen, exit: theme.transitions.duration.leavingScreen, The duration for the transition, in milliseconds. You may specify a single timeout for all transitions, or individually with an object.
- TransitionProps `object`
  Default is - Props applied to the transition element. By default, the element is based on this Transition component.Deprecated Use slotProps.transition instead. This prop will be removed in a future major release. How to migrate

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`SpeedDialAction` *SpeedDialAction*

Description

https://mui.com/material-ui/api/speed-dial-action/

Usage

```
SpeedDialAction(...)
```

Arguments

`...`	Props to pass to the component.

Details

- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- delay `number`
  Default is 0 Adds a transition delay, to allow a series of SpeedDialActions to be animated.
- FabProps `object`
  Default is Props applied to the Fab component.Deprecated Use slotProps.fab instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- icon `node`
  Default is - The icon to display in the SpeedDial Fab.
- id `string`
  Default is - This prop is used to help implement the accessibility logic. If you don't provide this prop. It falls back to a randomly generated id.
- open `bool`
  Default is - If true, the component is shown.
- slotProps `{ fab?: func| object, staticTooltip?: func| object, staticTooltipLabel?: func| object, too`
  Default is The props used for each slot inside.
- slots `{ fab?: elementType, staticTooltip?: elementType, staticTooltipLabel?: elementType, tooltip?:`
  Default is The components used for each slot inside.
- sx `Array`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- TooltipClasses `object`
  Default is - classes prop applied to the Tooltip element.Deprecated Use slotProps.tooltip.classes instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- tooltipOpen `bool`
  Default is FALSE Make the tooltip always visible when the SpeedDial is open.Deprecated Use slotProps.tooltip.open instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- tooltipPlacement `'auto-end'| 'auto-start'| 'auto'| 'bottom-end'| 'bottom-start'| 'bottom'| 'left-end'| 'left-start'| 'left'| 'right-end'| 'right-start'| 'right'| 'top-end'| 'top-start'| 'top'`
  Default is 'left' Placement of the tooltip.Deprecated Use slotProps.tooltip.placement instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- tooltipTitle `node`
  Default is - Label to display in the tooltip.Deprecated Use slotProps.tooltip.title instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.

Value

Object with shiny.tag class suitable for use in the UI of a Shiny app.

SpeedDialIcon *SpeedDialIcon*

Description

https://mui.com/material-ui/api/speed-dial-icon/

Usage

```
SpeedDialIcon(...)
```

Arguments

...	Props to pass to the component.

Details

- classes object
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.
- icon node
  Default is NA The icon to display.
- openIcon node
  Default is NA The icon to display in the SpeedDial Floating Action Button when the SpeedDial is open.
- sx Array func| object| bool | func| object
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the sx page for more details.

Value

Object with shiny.tag class suitable for use in the UI of a Shiny app.

`Stack` *Stack*

Description

`https://mui.com/material-ui/api/stack/`

Usage

```
Stack(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - The content of the component.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- direction `'column-reverse'| 'column'| 'row-reverse'| 'row'| Array 'column-reverse'| 'column'| 'row-r`
  Default is 'column' Defines the flex-direction style property. It is applied for all screen sizes.
- divider `node`
  Default is - Add an element between each child.
- spacing `Array number| string | number| object| string`
  Default is 0 Defines the space between immediate children.
- sx `Array func| object| bool | func| object`
  Default is - The system prop, which allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- useFlexGap `bool`
  Default is FALSE If true, the CSS flexbox gap is used instead of applying margin to children.While CSS gap removes the known limitations, it is not fully supported in some browsers. We recommend checking https://caniuse.com/?search=flex%20gap before using this flag.To enable this flag globally, follow the theme's default props configuration.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Step *Step*

Description

https://mui.com/material-ui/api/step/

Usage

```
Step(...)
```

Arguments

`...`	Props to pass to the component.

Details

- active `bool`
  Default is - Sets the step as active. Is passed to child components.
- children `node`
  Default is - Should be Step sub-components such as StepLabel, StepContent.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- completed `bool`
  Default is - Mark the step as completed. Is passed to child components.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- disabled `bool`
  Default is - If true, the step is disabled, will also disable the button if StepButton is a child of Step. Is passed to child components.
- expanded `bool`
  Default is FALSE Expand the step.
- index `integer`
  Default is - The position of the step. The prop defaults to the value inherited from the parent Stepper component.
- last `bool`
  Default is - If true, the Step is displayed as rendered last. The prop defaults to the value inherited from the parent Stepper component.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`StepButton` *StepButton*

Description

https://mui.com/material-ui/api/step-button/

Usage

```
StepButton(...)

StepButton.shinyInput(inputId, ...)

updateStepButton.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)
```

Arguments

`...`	Props to pass to the component.
`inputId`	ID of the component.
`session`	Object passed as the ‘session‘ argument to Shiny server.

Details

- children `node`
  Default is NA Can be a StepLabel or a node to place inside StepLabel as children.
- classes `object`
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.
- icon `node`
  Default is NA The icon displayed by the step label.
- optional `node`
  Default is NA The optional node to display.
- sx `Array func| object| bool | func| object`
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

StepConnector *StepConnector*

Description

https://mui.com/material-ui/api/step-connector/

Usage

```
StepConnector(...)
```

Arguments

`...`	Props to pass to the component.

Details

- classes `object`
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.
- sx `Array func| object| bool | func| object`
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

StepContent *StepContent*

Description

https://mui.com/material-ui/api/step-content/

Usage

```
StepContent(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- slotProps `{ transition?: func| object }`
  Default is The props used for each slot inside.
- slots `{ transition?: elementType }`
  Default is The components used for each slot inside.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- TransitionComponent `elementType`
  Default is Collapse The component used for the transition. Follow this guide to learn more about the requirements for this component.Deprecated Use slots.transition instead. This prop will be removed in a future major release. How to migrate.
- transitionDuration `'auto'| number| { appear?: number, enter?: number, exit?: number }`
  Default is 'auto' Adjust the duration of the content expand transition. Passed as a prop to the transition component.Set to 'auto' to automatically calculate transition time based on height.
- TransitionProps `object`
  Default is - Props applied to the transition element. By default, the element is based on this Transition component.Deprecated Use slotProps.transition instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`StepIcon` *StepIcon*

Description

https://mui.com/material-ui/api/step-icon/

Usage

```
StepIcon(...)
```

Arguments

`...`	Props to pass to the component.

Details

- active bool
  Default is FALSE Whether this step is active.
- classes object
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- completed bool
  Default is FALSE Mark the step as completed. Is passed to child components.
- error bool
  Default is FALSE If true, the step is marked as failed.
- icon node
  Default is - The label displayed in the step icon.
- sx Array func| object| bool | func| object
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the sx page for more details.

Value

Object with shiny.tag class suitable for use in the UI of a Shiny app.

StepLabel *StepLabel*

Description

https://mui.com/material-ui/api/step-label/

Usage

```
StepLabel(...)
```

Arguments

...	Props to pass to the component.

Details

- children node
  Default is - In most cases will simply be a string containing a title for the label.
- classes object
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- componentsProps { label?: object }
  Default is The props used for each slot inside.Deprecated use the slotProps prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.

- error `bool`
  Default is FALSE If true, the step is marked as failed.
- icon `node`
  Default is - Override the default label of the step icon.
- optional `node`
  Default is - The optional node to display.
- slotProps `{ label?: func| object, root?: func| object, stepIcon?: func| object }`
  Default is The props used for each slot inside.
- slots `{ label?: elementType, root?: elementType, stepIcon?: elementType }`
  Default is The components used for each slot inside.
- StepIconComponent `elementType`
  Default is - The component to render in place of the StepIcon.Deprecated Use slots.stepIcon instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- StepIconProps `object`
  Default is - Props applied to the StepIcon element.Deprecated Use slotProps.stepIcon instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Stepper` *Stepper*

Description

`https://mui.com/material-ui/api/stepper/`

Usage

```
Stepper(...)
```

Arguments

`...`	Props to pass to the component.

Details

- activeStep `integer`
  Default is 0 Set the active step (zero based index). Set to -1 to disable all the steps.
- alternativeLabel `bool`
  Default is FALSE If set to 'true' and orientation is horizontal, then the step label will be positioned under the icon.
- children `node`
  Default is - Two or more Step / components.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- connector `element`
  Default is StepConnector / An element to be placed between each step.
- nonLinear `bool`
  Default is FALSE If set the Stepper will not assist in controlling steps for linear flow.
- orientation `'horizontal'| 'vertical'`
  Default is 'horizontal' The component orientation (layout flow direction).
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`SvgIcon` *SvgIcon*

Description

https://mui.com/material-ui/api/svg-icon/

Usage

```
SvgIcon(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - Node passed into the SVG element.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'inherit'| 'action'| 'disabled'| 'primary'| 'secondary'| 'error'| 'info'| 'success'| 'warning'| string`
  Default is 'inherit' The color of the component. It supports both default and custom theme colors, which can be added as shown in the palette customization guide. You can use the htmlColor prop to apply a color attribute to the SVG element.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- fontSize `'inherit'| 'large'| 'medium'| 'small'| string`
  Default is 'medium' The fontSize applied to the icon. Defaults to 24px, but can be configure to inherit font size.
- htmlColor `string`
  Default is - Applies a color attribute to the SVG element.
- inheritViewBox `bool`
  Default is FALSE If true, the root node will inherit the custom component's viewBox and the viewBox prop will be ignored. Useful when you want to reference a custom component and have SvgIcon pass that component's viewBox to the root node.
- shapeRendering `string`
  Default is - The shape-rendering attribute. The behavior of the different options is described on the MDN Web Docs. If you are having issues with blurry icons you should investigate this prop.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- titleAccess `string`
  Default is - Provides a human-readable title for the element that contains it. https://www.w3.org/TR/SVG-access/#Equivalent
- viewBox `string`
  Default is '0 0 24 24' Allows you to redefine what the coordinates without units mean inside an SVG element. For example, if the SVG element is 500 (width) by 200 (height), and you pass viewBox="0 0 50 20", this means that the coordinates inside the SVG will go from the top left corner (0,0) to bottom right (50,20) and each unit will be worth 10px.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

SwipeableDrawer *SwipeableDrawer*

Description

https://mui.com/material-ui/api/swipeable-drawer/

Usage

```
SwipeableDrawer(...)
```

Arguments

...	Props to pass to the component.

Details

- onClose `func`
  Default is - Callback fired when the component requests to be closed.Signature:function(event: React.SyntheticEvent) = voidevent The event source of the callback.
- onOpen `func`
  Default is - Callback fired when the component requests to be opened.Signature:function(event: React.SyntheticEvent) = voidevent The event source of the callback.
- allowSwipeInChildren `func| bool`
  Default is FALSE If set to true, the swipe event will open the drawer even if the user begins the swipe on one of the drawer's children. This can be useful in scenarios where the drawer is partially visible. You can customize it further with a callback that determines which children the user can drag over to open the drawer (for example, to ignore other elements that handle touch move events, like sliders).
- children `node`
  Default is - The content of the component.
- disableBackdropTransition `bool`
  Default is FALSE Disable the backdrop transition. This can improve the FPS on low-end devices.
- disableDiscovery `bool`
  Default is FALSE If true, touching the screen near the edge of the drawer will not slide in the drawer a bit to promote accidental discovery of the swipe gesture.
- disableSwipeToOpen `bool`
  Default is typeof navigator !== 'undefined' && /iPad|iPhone|iPod/.test(navigator.userAgent) If true, swipe to open is disabled. This is useful in browsers where swiping triggers navigation actions. Swipe to open is disabled on iOS browsers by default.
- hysteresis `number`
  Default is 0.52 Affects how far the drawer must be opened/closed to change its state. Specified as percent (0-1) of the width of the drawer

- minFlingVelocity `number`
  Default is 450 Defines, from which (average) velocity on, the swipe is defined as complete although hysteresis isn't reached. Good threshold is between 250 - 1000 px/s
- open `bool`
  Default is FALSE If true, the component is shown.
- slotProps `{ backdrop?: func| object, docked?: func| object, paper?: func| object, root?: func| object`
  Default is The props used for each slot inside.
- slots `{ backdrop?: elementType, docked?: elementType, paper?: elementType, root?: elementType, swipe`
  Default is The components used for each slot inside.
- SwipeAreaProps `object`
  Default is - The element is used to intercept the touch events on the edge.Deprecated use the slotProps.swipeArea prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- swipeAreaWidth `number`
  Default is 20 The width of the left most (or right most) area in px that the drawer can be swiped open from.
- transitionDuration `number| { appear?: number, enter?: number, exit?: number }`
  Default is enter: theme.transitions.duration.enteringScreen, exit: theme.transitions.duration.leavingScreen, The duration for the transition, in milliseconds. You may specify a single timeout for all transitions, or individually with an object.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Switch` *Switch*

Description

https://mui.com/material-ui/api/switch/

Usage

```
Switch(...)

Switch.shinyInput(inputId, ..., value = defaultValue)

updateSwitch.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)
```

Arguments

`...` Props to pass to the component.

`inputId` ID of the component.

`value` Starting value.

`session` Object passed as the ‘session‘ argument to Shiny server.

Details

- checked `bool`
  Default is - If true, the component is checked.
- checkedIcon `node`
  Default is - The icon to display when the component is checked.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'default'| 'primary'| 'secondary'| 'error'| 'info'| 'success'| 'warning'| string`
  Default is 'primary' The color of the component. It supports both default and custom theme colors, which can be added as shown in the palette customization guide.
- defaultChecked `bool`
  Default is - The default checked state. Use when the component is not controlled.
- disabled `bool`
  Default is - If true, the component is disabled.
- disableRipple `bool`
  Default is FALSE If true, the ripple effect is disabled.
- edge `'end'| 'start'| false`
  Default is FALSE If given, uses a negative margin to counteract the padding on one side (this is often helpful for aligning the left or right side of the icon with content above or below, without ruining the border size and shape).
- icon `node`
  Default is - The icon to display when the component is unchecked.
- id `string`
  Default is - The id of the input element.
- inputProps `object`
  Default is - Attributes applied to the input element.Deprecated Use slotProps.input instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- inputRef `ref`
  Default is - Pass a ref to the input element.Deprecated Use slotProps.input.ref instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- onChange `func`
  Default is - Callback fired when the state is changed.Signature:function(event: React.ChangeEvent)

= voidevent The event source of the callback. You can pull out the new value by accessing event.target.value (string). You can pull out the new checked state by accessing event.target.checked (boolean).

- required `bool`
  Default is FALSE If true, the input element is required.
- size `'medium'| 'small'| string`
  Default is 'medium' The size of the component. small is equivalent to the dense switch styling.
- slotProps `{ input?: func| object, root?: func| object, switchBase?: func| object, thumb?: func| objec`
  Default is The props used for each slot inside.
- slots `{ input?: elementType, root?: elementType, switchBase?: elementType, thumb?: elementType, trac`
  Default is The components used for each slot inside.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- value `any`
  Default is - The value of the component. The DOM API casts this to a string. The browser uses "on" as the default value.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Tab` *Tab*

Description

https://mui.com/material-ui/api/tab/

Usage

```
Tab(...)

Tab.shinyInput(inputId, ..., value = defaultValue)

updateTab.shinyInput(session = shiny::getDefaultReactiveDomain(), inputId, ...)
```

Arguments

`...`	Props to pass to the component.
`inputId`	ID of the component.
`value`	Starting value.
`session`	Object passed as the 'session' argument to Shiny server.

Details

- children `unsupportedProp`
  Default is - This prop isn't supported. Use the component prop if you need to change the children structure.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- disabled `bool`
  Default is FALSE If true, the component is disabled.
- disableFocusRipple `bool`
  Default is FALSE If true, the keyboard focus ripple is disabled.
- disableRipple `bool`
  Default is FALSE If true, the ripple effect is disabled. Without a ripple there is no styling for :focus-visible by default. Be sure to highlight the element by applying separate styles with the .Mui-focusVisible class.
- icon `element| string`
  Default is - The icon to display.
- iconPosition `'bottom'| 'end'| 'start'| 'top'`
  Default is 'top' The position of the icon relative to the label.
- label node
  Default is - The label element.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- value `any`
  Default is - You can provide your own value. Otherwise, we fallback to the child position index.
- wrapped `bool`
  Default is FALSE Tab labels appear in a single row. They can use a second line if needed.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`TabContext` *TabContext*

Description

https://mui.com/material-ui/api/tab-context/

Usage

```
TabContext(...)

TabContext.shinyInput(inputId, ..., value = defaultValue)

updateTabContext.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)

TabContext(...)

TabContext.shinyInput(inputId, ..., value = defaultValue)

updateTabContext.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)
```

Arguments

`...`	Props to pass to the component.
`inputId`	ID of the component.
`value`	Starting value.
`session`	Object passed as the ‘session‘ argument to Shiny server.

Details

- value `number| string`
  Default is NA The value of the currently selected Tab.
- children `node`
  Default is NA The content of the component.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Table` *Table*

Description

https://mui.com/material-ui/api/table/

Usage

```
Table(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - The content of the table, normally TableHead and TableBody.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- padding `'checkbox'| 'none'| 'normal'`
  Default is ’normal’ Allows TableCells to inherit padding of the Table.
- size `'medium'| 'small'| string`
  Default is ’medium’ Allows TableCells to inherit size of the Table.
- stickyHeader `bool`
  Default is FALSE Set the header sticky.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`TableBody` *TableBody*

Description

https://mui.com/material-ui/api/table-body/

Usage

```
TableBody(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children node
  Default is NA The content of the component, normally TableRow.
- classes `object`
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is NA The component used for the root node. Either a string to use a HTML element or a component.
- sx `Array func| object| bool | func| object`
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`TableCell` *TableCell*

Description

https://mui.com/material-ui/api/table-cell/

Usage

```
TableCell(...)
```

Arguments

`...`	Props to pass to the component.

Details

- align `'center'| 'inherit'| 'justify'| 'left'| 'right'`
  Default is 'inherit' Set the text-align on the table cell content.Monetary or generally number fields should be right aligned as that allows you to add them up quickly in your head without having to worry about decimals.
- children node
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.

- padding `'checkbox'| 'none'| 'normal'`
  Default is - Sets the padding applied to the cell. The prop defaults to the value ('default') inherited from the parent Table component.
- scope `string`
  Default is - Set scope attribute.
- size `'medium'| 'small'| string`
  Default is - Specify the size of the cell. The prop defaults to the value ('medium') inherited from the parent Table component.
- sortDirection `'asc'| 'desc'| false`
  Default is - Set aria-sort direction.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- variant `'body'| 'footer'| 'head'| string`
  Default is - Specify the cell type. The prop defaults to the value inherited from the parent TableHead, TableBody, or TableFooter components.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`TableContainer` *TableContainer*

Description

https://mui.com/material-ui/api/table-container/

Usage

```
TableContainer(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is NA The content of the component, normally Table.
- classes `object`
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is NA The component used for the root node. Either a string to use a HTML element or a component.

- sx Array func| object| bool | func| object
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the sx page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`TableFooter` *TableFooter*

Description

https://mui.com/material-ui/api/table-footer/

Usage

```
TableFooter(...)
```

Arguments

...	Props to pass to the component.

Details

- children node
  Default is NA The content of the component, normally TableRow.
- classes object
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.
- component elementType
  Default is NA The component used for the root node. Either a string to use a HTML element or a component.
- sx Array func| object| bool | func| object
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the sx page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`TableHead` *TableHead*

Description

https://mui.com/material-ui/api/table-head/

Usage

```
TableHead(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is NA The content of the component, normally TableRow.
- classes `object`
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is NA The component used for the root node. Either a string to use a HTML element or a component.
- sx `Array func| object| bool | func| object`
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`TablePagination` *TablePagination*

Description

https://mui.com/material-ui/api/table-pagination/

Usage

```
TablePagination(...)
```

Arguments

`...` Props to pass to the component.

Details

- count `integer`
  Default is - The total number of rows.To enable server side pagination for an unknown number of items, provide -1.
- onPageChange `func`
  Default is - Callback fired when the page is changed.Signature:function(event: React.MouseEvent | null, page: number) = voidevent The event source of the callback.page The page selected.
- page `integer`
  Default is - The zero-based index of the current page.
- rowsPerPage `integer`
  Default is - The number of rows per page.Set -1 to display all the rows.
- ActionsComponent `elementType`
  Default is TablePaginationActions The component used for displaying the actions. Either a string to use a HTML element or a component.
- backIconButtonProps `object`
  Default is - Props applied to the back arrow IconButton component.This prop is an alias for slotProps.actions.previousButton and will be overriden by it if both are used.Deprecated Use slotProps.actions.previousButton instead.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- disabled `bool`
  Default is FALSE If true, the component is disabled.
- getItemAriaLabel `func`
  Default is function defaultGetAriaLabel(type) return `Go to $type page`; Accepts a function which returns a string value that provides a user-friendly name for the current page. This is important for screen reader users.For localization purposes, you can use the provided translations.Signature:function(type: string) = stringtype The link or button type to format ('first' | 'last' | 'next' | 'previous').
- labelDisplayedRows `func`
  Default is function defaultLabelDisplayedRows(from, to, count) return `$from8093$to of $count !== -1 ? count :`
  than $to“; Customize the displayed rows label. Invoked with a from, to, count, page object.For localization purposes, you can use the provided translations.
- labelRowsPerPage `node`
  Default is 'Rows per page:' Customize the rows per page label.For localization purposes, you can use the provided translations.

- nextIconButtonProps ‘object‘
  Default is - Props applied to the next arrow IconButton element.This prop is an alias for slotProps.actions.nextButton and will be overriden by it if both are used.Deprecated Use slotProps.actions.nextButton instead.
- onRowsPerPageChange ‘func‘
  Default is - Callback fired when the number of rows per page is changed.Signature:function(event: React.ChangeEvent) = voidevent The event source of the callback.
- rowsPerPageOptions
  Default is 10, 25, 50, 100 Customizes the options of the rows per page select field. If less than two options are available, no select field will be displayed. Use -1 for the value with a custom label to show all the rows.
- SelectProps ‘object‘
  Default is Props applied to the rows per page Select element.This prop is an alias for slotProps.select and will be overriden by it if both are used.Deprecated Use slotProps.select instead.
- showFirstButton ‘bool‘
  Default is FALSE If true, show the first-page button.
- showLastButton ‘bool‘
  Default is FALSE If true, show the last-page button.
- slotProps
  Default is The props used for each slot inside.
- slots
  Default is The components used for each slot inside.
- sx
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the ‘sx‘ page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

TableRow *TableRow*

Description

https://mui.com/material-ui/api/table-row/

Usage

```
TableRow(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children node
  Default is - Should be valid tr children such as TableCell.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- hover `bool`
  Default is FALSE If true, the table row will shade on hover.
- selected `bool`
  Default is FALSE If true, the table row will have the selected shading.
- sx Array `func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`TableSortLabel` *TableSortLabel*

Description

https://mui.com/material-ui/api/table-sort-label/

Usage

```
TableSortLabel(...)
```

Arguments

`...`	Props to pass to the component.

Details

- active `bool`
  Default is FALSE If true, the label will have the active styling (should be true for the sorted column).
- children node
  Default is - Label contents, the arrow will be appended automatically.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.

- direction `'asc'| 'desc'`
  Default is 'asc' The current sort direction.
- hideSortIcon `bool`
  Default is FALSE Hide sort icon when active is false.
- IconComponent `elementType`
  Default is ArrowDownwardIcon Sort icon to use.
- slotProps `{ icon?: func| object, root?: func| object }`
  Default is The props used for each slot inside.
- slots `{ icon?: elementType, root?: elementType }`
  Default is The components used for each slot inside.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`TabList` *TabList*

Description

https://mui.com/material-ui/api/tab-list/

Usage

```
TabList(...)

TabList.shinyInput(inputId, ..., value = defaultValue)

updateTabList.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)

TabList(...)

TabList.shinyInput(inputId, ..., value = defaultValue)

updateTabList.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)
```

Arguments

`...`	Props to pass to the component.
`inputId`	ID of the component.
`value`	Starting value.
`session`	Object passed as the ‘session‘ argument to Shiny server.

Details

- children node
  Default is NA A list of Tab / elements.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`TabPanel` *TabPanel*

Description

https://mui.com/material-ui/api/tab-panel/

Usage

```
TabPanel(...)

TabPanel.shinyInput(inputId, ..., value = defaultValue)

updateTabPanel.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)

TabPanel(...)

TabPanel.shinyInput(inputId, ..., value = defaultValue)

updateTabPanel.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)
```

Arguments

`...`	Props to pass to the component.
`inputId`	ID of the component.
`value`	Starting value.
`session`	Object passed as the ‘session‘ argument to Shiny server.

Details

- value `number| string`
  Default is - The value of the corresponding Tab. Must use the index of the Tab when no value was passed to Tab.
- children node
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- keepMounted `bool`
  Default is FALSE Always keep the children in the DOM.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Tabs` *Tabs*

Description

https://mui.com/material-ui/api/tabs/

Usage

```
Tabs(...)

Tabs.shinyInput(inputId, ..., value = defaultValue)

updateTabs.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)
```

Arguments

`...`	Props to pass to the component.
`inputId`	ID of the component.
`value`	Starting value.
`session`	Object passed as the ‘session‘ argument to Shiny server.

Details

- action `ref`
  Default is - Callback fired when the component mounts. This is useful when you want to trigger an action programmatically. It supports two actions: updateIndicator() and updateScrollButtons()
- allowScrollButtonsMobile `bool`
  Default is FALSE If true, the scroll buttons aren’t forced hidden on mobile. By default the scroll buttons are hidden on mobile and takes precedence over scrollButtons.
- aria-label `string`
  Default is - The label for the Tabs as a string.
- aria-labelledby `string`
  Default is - An id or list of ids separated by a space that label the Tabs.
- centered `bool`
  Default is FALSE If true, the tabs are centered. This prop is intended for large views.
- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- indicatorColor `'primary'| 'secondary'| string`
  Default is ’primary’ Determines the color of the indicator.
- onChange `func`
  Default is - Callback fired when the value changes.Signature:function(event: React.SyntheticEvent, value: any) = voidevent The event source of the callback. Warning: This is a generic event not a change event.value We default to the index of the child (number)
- orientation `'horizontal'| 'vertical'`
  Default is ’horizontal’ The component orientation (layout flow direction).
- ScrollButtonComponent `elementType`
  Default is TabScrollButton The component used to render the scroll buttons.Deprecated use the slots.scrollButtons prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- scrollButtons `'auto'| false| true`
  Default is ’auto’ Determine behavior of scroll buttons when tabs are set to scroll: auto will

only present them when not all the items are visible. true will always present them. false will never present them. By default the scroll buttons are hidden on mobile. This behavior can be disabled with allowScrollButtonsMobile.

- selectionFollowsFocus `bool`
  Default is - If true the selected tab changes on focus. Otherwise it only changes on activation.
- slotProps `{ endScrollButtonIcon?: func| object, indicator?: func| object, list?: func| object, root?`
  Default is The props used for each slot inside.
- slots `{ endScrollButtonIcon?: elementType, EndScrollButtonIcon?: elementType, indicator?: elementTy`
  Default is The components used for each slot inside.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- TabIndicatorProps `object`
  Default is Props applied to the tab indicator element.Deprecated use the slotProps.indicator prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- TabScrollButtonProps `object`
  Default is Props applied to the TabScrollButton element.Deprecated use the slotProps.scrollButtons prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- textColor `'inherit'| 'primary'| 'secondary'`
  Default is 'primary' Determines the color of the Tab.
- value `any`
  Default is - The value of the currently selected Tab. If you don't want any selected Tab, you can set this prop to false.
- variant `'fullWidth'| 'scrollable'| 'standard'`
  Default is 'standard' Determines additional display behavior of the tabs: scrollable will invoke scrolling properties and allow for horizontally scrolling (or swiping) of the tab bar. fullWidth will make the tabs grow to use all the available space, which should be used for small views, like on mobile. standard will render the default state.
- visibleScrollbar `bool`
  Default is FALSE If true, the scrollbar is visible. It can be useful when displaying a long vertical list of tabs.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`TabScrollButton` *TabScrollButton*

Description

https://mui.com/material-ui/api/tab-scroll-button/

Usage

```
TabScrollButton(...)
```

Arguments

`...`	Props to pass to the component.

Details

- direction `'left'| 'right'`
  Default is - The direction the button should indicate.
- orientation `'horizontal'| 'vertical'`
  Default is - The component orientation (layout flow direction).
- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- disabled `bool`
  Default is FALSE If true, the component is disabled.
- slotProps `{ endScrollButtonIcon?: func| object, startScrollButtonIcon?: func| object }`
  Default is The extra props for the slot components. You can override the existing props or add new ones.
- slots `{ EndScrollButtonIcon?: elementType, StartScrollButtonIcon?: elementType }`
  Default is The components used for each slot inside.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`TextareaAutosize` *TextareaAutosize*

Description

`https://mui.com/material-ui/api/textarea-autosize/`

Usage

```
TextareaAutosize(...)
```

Arguments

`...`	Props to pass to the component.

Details

- maxRows `number| string`
  Default is - Maximum number of rows to display.
- minRows `number| string`
  Default is 1 Minimum number of rows to display.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`TextField` *TextField*

Description

https://mui.com/material-ui/api/text-field/

Usage

```
TextField(...)

TextField.shinyInput(inputId, ..., value = defaultValue)

updateTextField.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)
```

Arguments

`...`	Props to pass to the component.
`inputId`	ID of the component.
`value`	Starting value.
`session`	Object passed as the ‘session‘ argument to Shiny server.

Details

- autoComplete `string`
  Default is - This prop helps users to fill forms faster, especially on mobile devices. The name can be confusing, as it's more like an autofill. You can learn more about it following the specification.
- autoFocus `bool`
  Default is FALSE If true, the input element is focused during the first mount.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'primary'| 'secondary'| 'error'| 'info'| 'success'| 'warning'| string`
  Default is 'primary' The color of the component. It supports both default and custom theme colors, which can be added as shown in the palette customization guide.
- defaultValue `any`
  Default is - The default value. Use when the component is not controlled.
- disabled `bool`
  Default is FALSE If true, the component is disabled.
- error `bool`
  Default is FALSE If true, the label is displayed in an error state.
- FormHelperTextProps `object`
  Default is - Props applied to the FormHelperText element.Deprecated Use slotProps.formHelperText instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- fullWidth `bool`
  Default is FALSE If true, the input will take up the full width of its container.
- helperText `node`
  Default is - The helper text content.
- id `string`
  Default is - The id of the input element. Use this prop to make label and helperText accessible for screen readers.
- InputLabelProps `object`
  Default is - Props applied to the InputLabel element. Pointer events like onClick are enabled if and only if shrink is true.Deprecated Use slotProps.inputLabel instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- inputProps `object`
  Default is - Attributes applied to the input element.Deprecated Use slotProps.htmlInput instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- InputProps `object`
  Default is - Props applied to the Input element. It will be a FilledInput, OutlinedInput or Input component depending on the variant prop value.Deprecated Use slotProps.input instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.

- inputRef `ref`
  Default is - Pass a ref to the input element.
- label `node`
  Default is - The label content.
- margin `'dense'| 'none'| 'normal'`
  Default is 'none' If dense or normal, will adjust vertical spacing of this and contained components.
- maxRows `number| string`
  Default is - Maximum number of rows to display when multiline option is set to true.
- minRows `number| string`
  Default is - Minimum number of rows to display when multiline option is set to true.
- multiline `bool`
  Default is FALSE If true, a textarea element is rendered instead of an input.
- name `string`
  Default is - Name attribute of the input element.
- onChange `func`
  Default is - Callback fired when the value is changed.Signature:function(event: object) = voidevent The event source of the callback. You can pull out the new value by accessing event.target.value (string).
- placeholder `string`
  Default is - The short hint displayed in the input before the user enters a value.
- required `bool`
  Default is FALSE If true, the label is displayed as required and the input element is required.
- rows `number| string`
  Default is - Number of rows to display when multiline option is set to true.
- select `bool`
  Default is FALSE Render a Select element while passing the Input element to Select as input parameter. If this option is set you must pass the options of the select as children.
- SelectProps `object`
  Default is - Props applied to the Select element.Deprecated Use slotProps.select instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- size `'medium'| 'small'| string`
  Default is 'medium' The size of the component.
- slotProps `{ formHelperText?: func| object, htmlInput?: func| object, input?: func| object, inputLabel`
  Default is The props used for each slot inside.
- slots `{ formHelperText?: elementType, htmlInput?: elementType, input?: elementType, inputLabel?: el`
  Default is The components used for each slot inside.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- type `string`
  Default is - Type of the input element. It should be a valid HTML5 input type.

- value `any`
  Default is - The value of the input element, required for a controlled component.
- variant `'filled'| 'outlined'| 'standard'`
  Default is 'outlined' The variant to use.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`ThemeProvider` *ThemeProvider*

Description

Visit the documentation at https://mui.com/api/Theme-Provider/ for more information.

Usage

```
ThemeProvider(...)
```

Arguments

`...`	args to pass to element

Details

Custom ThemeProvider built with MuiThemeProvider. See 'js/src/ThemeProvider.tsx'.

Value

Object with 'shiny.tag' class suitable for use in the UI of a Shiny app.

`Timeline` *Timeline*

Description

`https://mui.com/material-ui/api/timeline/`

Usage

```
Timeline(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children node
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- className `string`
  Default is - className applied to the root element.
- position `'alternate-reverse'| 'alternate'| 'left'| 'right'`
  Default is 'right' The position where the TimelineContent should appear relative to the time axis.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`TimelineConnector` *TimelineConnector*

Description

https://mui.com/material-ui/api/timeline-connector/

Usage

```
TimelineConnector(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is NA The content of the component.
- classes `object`
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.
- sx `Array func| object| bool | func| object`
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`TimelineContent` *TimelineContent*

Description

https://mui.com/material-ui/api/timeline-content/

Usage

```
TimelineContent(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is NA The content of the component.
- classes `object`
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.
- sx `Array func| object| bool | func| object`
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`TimelineDot` *TimelineDot*

Description

https://mui.com/material-ui/api/timeline-dot/

Usage

```
TimelineDot(...)
```

Arguments

`...` Props to pass to the component.

Details

- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'error'| 'grey'| 'info'| 'inherit'| 'primary'| 'secondary'| 'success'| 'warning'| string`
  Default is 'grey' The dot can have a different colors.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- variant `'filled'| 'outlined'| string`
  Default is 'filled' The dot can appear filled or outlined.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`TimelineItem` *TimelineItem*

Description

https://mui.com/material-ui/api/timeline-item/

Usage

```
TimelineItem(...)
```

Arguments

`...` Props to pass to the component.

Details

- children `node`
  Default is NA The content of the component.
- classes `object`
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.

- position `'alternate-reverse'| 'alternate'| 'left'| 'right'`
  Default is NA The position where the timeline's item should appear.
- sx `Array func| object| bool | func| object`
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`TimelineOppositeContent` *TimelineOppositeContent*

Description

https://mui.com/material-ui/api/timeline-opposite-content/

Usage

```
TimelineOppositeContent(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children node
  Default is NA The content of the component.
- classes `object`
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.
- sx `Array func| object| bool | func| object`
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`TimelineSeparator` *TimelineSeparator*

Description

https://mui.com/material-ui/api/timeline-separator/

Usage

```
TimelineSeparator(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is NA The content of the component.
- classes `object`
  Default is NA Override or extend the styles applied to the component.See CSS classes API below for more details.
- sx `Array func| object| bool | func| object`
  Default is NA The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`ToggleButton` *ToggleButton*

Description

https://mui.com/material-ui/api/toggle-button/

Usage

```
ToggleButton(...)

ToggleButton.shinyInput(inputId, ...)

updateToggleButton.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)
```

Arguments

`...` Props to pass to the component.

`inputId` ID of the component.

`session` Object passed as the ‘session‘ argument to Shiny server.

Details

- value `any`
  Default is - The value to associate with the button when selected in a ToggleButtonGroup.
- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'standard'| 'primary'| 'secondary'| 'error'| 'info'| 'success'| 'warning'| string`
  Default is ’standard’ The color of the button when it is in an active state. It supports both default and custom theme colors, which can be added as shown in the palette customization guide.
- disabled `bool`
  Default is FALSE If true, the component is disabled.
- disableFocusRipple `bool`
  Default is FALSE If true, the keyboard focus ripple is disabled.
- disableRipple `bool`
  Default is FALSE If true, the ripple effect is disabled. Without a ripple there is no styling for :focus-visible by default. Be sure to highlight the element by applying separate styles with the .Mui-focusVisible class.
- fullWidth `bool`
  Default is FALSE If true, the button will take up the full width of its container.
- onChange `func`
  Default is - Callback fired when the state changes.Signature:function(event: React.MouseEvent, value: any) = voidevent The event source of the callback.value of the selected button.
- onClick `func`
  Default is - Callback fired when the button is clicked.Signature:function(event: React.MouseEvent, value: any) = voidevent The event source of the callback.value of the selected button.
- selected `bool`
  Default is - If true, the button is rendered in an active state.
- size `'small'| 'medium'| 'large'| string`
  Default is ’medium’ The size of the component. The prop defaults to the value inherited from the parent ToggleButtonGroup component.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`ToggleButtonGroup` *ToggleButtonGroup*

Description

https://mui.com/material-ui/api/toggle-button-group/

Usage

```
ToggleButtonGroup(...)

ToggleButtonGroup.shinyInput(inputId, ..., value = defaultValue)

updateToggleButtonGroup.shinyInput(
  session = shiny::getDefaultReactiveDomain(),
  inputId,
  ...
)
```

Arguments

`...`	Props to pass to the component.
`inputId`	ID of the component.
`value`	Starting value.
`session`	Object passed as the ‘session‘ argument to Shiny server.

Details

- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'standard'| 'primary'| 'secondary'| 'error'| 'info'| 'success'| 'warning'| string`
  Default is ’standard’ The color of the button when it is selected. It supports both default and custom theme colors, which can be added as shown in the palette customization guide.
- disabled `bool`
  Default is FALSE If true, the component is disabled. This implies that all ToggleButton children will be disabled.
- exclusive `bool`
  Default is FALSE If true, only allow one of the child ToggleButton values to be selected.

- fullWidth `bool`
  Default is FALSE If true, the button group will take up the full width of its container.
- onChange `func`
  Default is - Callback fired when the value changes.Signature:function(event: React.MouseEvent, value: any) = voidevent The event source of the callback.value of the selected buttons. When exclusive is true this is a single value; when false an array of selected values. If no value is selected and exclusive is true the value is null; when false an empty array.
- orientation `'horizontal'| 'vertical'`
  Default is 'horizontal' The component orientation (layout flow direction).
- size `'small'| 'medium'| 'large'| string`
  Default is 'medium' The size of the component.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- value `any`
  Default is - The currently selected value within the group or an array of selected values when exclusive is false.The value must have reference equality with the option in order to be selected.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Toolbar` *Toolbar*

Description

https://mui.com/material-ui/api/toolbar/

Usage

```
Toolbar(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `node`
  Default is - The Toolbar children, usually a mixture of IconButton, Button and Typography. The Toolbar is a flex container, allowing flex item properties to be used to lay out the children.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.

- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- disableGutters `bool`
  Default is FALSE If true, disables gutter padding.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- variant `'dense'| 'regular'| string`
  Default is 'regular' The variant to use.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Tooltip` *Tooltip*

Description

https://mui.com/material-ui/api/tooltip/

Usage

```
Tooltip(...)
```

Arguments

`...`	Props to pass to the component.

Details

- children `element`
  Default is - Tooltip reference element.This needs to be able to hold a ref.
- arrow `bool`
  Default is FALSE If true, adds an arrow to the tooltip.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- components `{ Arrow?: elementType, Popper?: elementType, Tooltip?: elementType, Transition?: element`
  Default is The components used for each slot inside.Deprecated use the slots prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.

- componentsProps `{ arrow?: object, popper?: object, tooltip?: object, transition?: object }`
  Default is The extra props for the slot components. You can override the existing props or add new ones.Deprecated use the slotProps prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- describeChild `bool`
  Default is FALSE Set to true if the title acts as an accessible description. By default the title acts as an accessible label for the child.
- disableFocusListener `bool`
  Default is FALSE Do not respond to focus-visible events.
- disableHoverListener `bool`
  Default is FALSE Do not respond to hover events.
- disableInteractive `bool`
  Default is FALSE Makes a tooltip not interactive, i.e. it will close when the user hovers over the tooltip before the leaveDelay is expired.
- disableTouchListener `bool`
  Default is FALSE Do not respond to long press touch events.
- enterDelay `number`
  Default is 100 The number of milliseconds to wait before showing the tooltip. This prop won't impact the enter touch delay (enterTouchDelay).
- enterNextDelay `number`
  Default is 0 The number of milliseconds to wait before showing the tooltip when one was already recently opened.
- enterTouchDelay `number`
  Default is 700 The number of milliseconds a user must touch the element before showing the tooltip.
- followCursor `bool`
  Default is FALSE If true, the tooltip follow the cursor over the wrapped element.
- id `string`
  Default is - This prop is used to help implement the accessibility logic. If you don't provide this prop. It falls back to a randomly generated id.
- leaveDelay `number`
  Default is 0 The number of milliseconds to wait before hiding the tooltip. This prop won't impact the leave touch delay (leaveTouchDelay).
- leaveTouchDelay `number`
  Default is 1500 The number of milliseconds after the user stops touching an element before hiding the tooltip.
- onClose `func`
  Default is - Callback fired when the component requests to be closed.Signature:function(event: React.SyntheticEvent) = voidevent The event source of the callback.
- onOpen `func`
  Default is - Callback fired when the component requests to be open.Signature:function(event: React.SyntheticEvent) = voidevent The event source of the callback.
- open `bool`
  Default is - If true, the component is shown.

- placement `'auto-end'| 'auto-start'| 'auto'| 'bottom-end'| 'bottom-start'| 'bottom'| 'left-end'| 'left-start'| 'left'| 'right-end'| 'right-start'| 'right'| 'top-end'| 'top-start'| 'top'`
  Default is 'bottom' Tooltip placement.
- PopperComponent `elementType`
  Default is - The component used for the popper.Deprecated use the slots.popper prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- PopperProps `object`
  Default is Props applied to the Popper element.Deprecated use the slotProps.popper prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- slotProps `{ arrow?: func| object, popper?: func| object, tooltip?: func| object, transition?: func| o`
  Default is The props used for each slot inside.
- slots `{ arrow?: elementType, popper?: elementType, tooltip?: elementType, transition?: elementType }`
  Default is The components used for each slot inside.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- title `node`
  Default is - Tooltip title. Zero-length titles string, undefined, null and false are never displayed.
- TransitionComponent `elementType`
  Default is - The component used for the transition. Follow this guide to learn more about the requirements for this component.Deprecated use the slots.transition prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- TransitionProps `object`
  Default is Props applied to the transition element. By default, the element is based on this Transition component.Deprecated use the slotProps.transition prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

`Typography` *Typography*

Description

https://mui.com/material-ui/api/typography/

Usage

```
Typography(...)
```

Arguments

... Props to pass to the component.

Details

- align `'center'| 'inherit'| 'justify'| 'left'| 'right'`
  Default is 'inherit' Set the text-align on the component.
- children `node`
  Default is - The content of the component.
- classes `object`
  Default is - Override or extend the styles applied to the component.See CSS classes API below for more details.
- color `'primary'| 'secondary'| 'success'| 'error'| 'info'| 'warning'| 'textPrimary'| 'textSecondary'| 'textDisabled'| string`
  Default is - The color of the component. It supports both default and custom theme colors, which can be added as shown in the palette customization guide.
- component `elementType`
  Default is - The component used for the root node. Either a string to use a HTML element or a component.
- gutterBottom `bool`
  Default is FALSE If true, the text will have a bottom margin.
- noWrap `bool`
  Default is FALSE If true, the text will not wrap, but instead will truncate with a text overflow ellipsis.Note that text overflow can only happen with block or inline-block level elements (the element needs to have a width in order to overflow).
- paragraph `bool`
  Default is FALSE If true, the element will be a paragraph element.Deprecated Use the component prop instead. This prop will be removed in a future major release. See Migrating from deprecated APIs for more details.
- sx `Array func| object| bool | func| object`
  Default is - The system prop that allows defining system overrides as well as additional CSS styles.See the `sx` page for more details.
- variant `'body1'| 'body2'| 'button'| 'caption'| 'h1'| 'h2'| 'h3'| 'h4'| 'h5'| 'h6'| 'inherit'| 'overline'| 'subtitle1'| 'subtitle2'| string`
  Default is 'body1' Applies the theme typography styles.
- variantMapping `object`
  Default is h1: 'h1', h2: 'h2', h3: 'h3', h4: 'h4', h5: 'h5', h6: 'h6', subtitle1: 'h6', subtitle2: 'h6', body1: 'p', body2: 'p', inherit: 'p', The component maps the variant prop to a range of different HTML element types. For instance, subtitle1 to h6 . If you wish to change that mapping, you can provide your own. Alternatively, you can use the component prop.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

Zoom *Zoom*

Description

https://mui.com/material-ui/api/zoom/

Usage

```
Zoom(...)
```

Arguments

...	Props to pass to the component.

Details

- children `element`
  Default is - A single child content element.This needs to be able to hold a ref.
- addEndListener `func`
  Default is - Add a custom transition end trigger. Called with the transitioning DOM node and a done callback. Allows for more fine grained transition end logic. Note: Timeouts are still used as a fallback if provided.
- appear `bool`
  Default is TRUE Perform the enter transition when it first mounts if in is also true. Set this to false to disable this behavior.
- easing `{ enter?: string, exit?: string }| string`
  Default is - The transition timing function. You may specify a single easing or a object containing enter and exit values.
- in `bool`
  Default is - If true, the component will transition in.
- timeout `number| { appear?: number, enter?: number, exit?: number }`
  Default is enter: theme.transitions.duration.enteringScreen, exit: theme.transitions.duration.leavingScreen, The duration for the transition, in milliseconds. You may specify a single timeout for all transitions, or individually with an object.

Value

Object with `shiny.tag` class suitable for use in the UI of a Shiny app.

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