

Package ‘reactCheckbox’

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Title Checkbox Group Input for 'Shiny'

Version 1.0.0

Description Provides a checkbox group input for usage in a 'Shiny' application. The checkbox group has a head checkbox allowing to check or uncheck all the checkboxes in the group. The checkboxes are customizable.

License GPL (>= 3)

Imports htmltools, reactR, utils

Suggests shiny

Encoding UTF-8

URL <https://github.com/stla/reactCheckbox>

BugReports <https://github.com/stla/reactCheckbox/issues>

RoxygenNote 7.2.3

NeedsCompilation no

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checkbox	<i>Define a checkbox</i>
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Description

Define a checkbox by its label, its value, and optionally a CSS class.

Usage

```
checkbox(label, value, class = "")
```

Arguments

label	the label of the checkbox, can be an ordinary character string, a html character string made with the HTML function, or a shiny.tag object
value	the initial value of the checkbox, TRUE (checked), or FALSE (unchecked)
class	the name of a CSS class to attach to the checkbox, that should be defined with checkboxStyle

Value

A named list, to be used in [reactCheckboxesInput](#).

checkboxStyle	<i>Checkbox style.</i>
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Description

Define CSS styles for a checkbox.

Usage

```
checkboxStyle(  
  checked = NULL,  
  checked_hover = NULL,  
  unchecked = NULL,  
  unchecked_hover = NULL,  
  indeterminate = NULL,  
  indeterminate_hover = NULL  
)
```

Arguments

checked	styles for the checkbox in checked state
checked_hover	styles for the checkbox in checked state on hover
unchecked	styles for the checkbox in unchecked state
unchecked_hover	styles for the checkbox in unchecked state on hover
indeterminate	styles for the checkbox in indeterminate state (for the head checkbox)
indeterminate_hover	styles for the checkbox in indeterminate state on hover

Value

A named list, to be used in [reactCheckboxesInput](#).

Examples

```
library(htmltools) # provides the convenient function `css`
checkboxStyle(
  checked = css(
    background.color = "rgba(255, 82, 82, 0.87)",
    border.color = "black"
  ),
  checked_hover = css(
    background.color = "darkred",
    border.color = "darkred"
  )
)
```

reactCheckboxesInput *Checkbox group input*

Description

Create a checkbox group input for usage in Shiny.

Usage

```
reactCheckboxesInput(
  inputId,
  checkboxes,
  headLabel = "Check all",
  headClass = "",
  styles = NULL,
  theme = "material"
)
```

Arguments

inputId	the id that will be used to get the values in Shiny
checkboxes	a list of checkboxes defined with the <code>checkbox</code> function
headLabel	the label for the head checkbox
headClass	a CSS class for the head checkbox
styles	a named list of styles created with the <code>checkboxStyle</code> function; the names denote the CSS classes
theme	the theme, "bootstrap", "fancy", or "material"

Value

A shiny.tag.list object to be included in a Shiny UI.

Examples

```
library(shiny)
library(htmltools)
library(reactCheckbox)

ui <- fluidPage(
  reactCheckboxesInput(
    "iris",
    list(
      checkbox("Sepal length", FALSE),
      checkbox("Sepal width", FALSE),
      checkbox("Petal length", FALSE),
      checkbox("Petal width", FALSE)
    ),
    headLabel = tags$span(
      "Make a choice", style = "font-size: 1.8rem; font-style: italic;"
    ),
    headClass = "custom",
    theme = "material",
    styles = list(
      "custom" = checkboxStyle(
        checked = css(
          background.color = "darkred"
        ),
        checked_hover = css(
          background.color = "maroon"
        ),
        unchecked = css(
          background.color = "darkorange"
        ),
        unchecked_hover = css(
          background.color = "orange"
        ),
        indeterminate = css(
          background.color = "gold"
        )
      )
    )
  )
)
```

```
      indeterminate_hover = css(  
        background.color = "yellow"  
      )  
    )  
  )  
)  
)  
  
server <- function(input, output, session) {  
  observe({  
    print(input[["iris"]])  
  })  
}  
  
if(interactive()) {  
  shinyApp(ui, server)  
}
```

updateReactCheckboxInput

Update a react checkboxes widget

Description

Change the values of a react checkboxes input.

Usage

```
updateReactCheckboxInput(session, inputId, values)
```

Arguments

session	the Shiny session object
inputId	the id of the react checkboxes widget to be updated
values	new values (vector of TRUE or FALSE values)

Value

No returned value, called for side effect.

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