Package 'shinyChakraSlider'

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Title Combined Slider and Numeric Input for 'Shiny'

Version 0.1.0

Description Provides a combined slider and numeric input for usage in a 'Shiny' app. The slider and the numeric input are linked together: each one is updated when the other one changes. Many styling properties are customizable (e.g. colors and size).

URL https://github.com/stla/shinyChakraSlider

BugReports https://github.com/stla/shinyChakraSlider/issues

License GPL-3

Encoding UTF-8

LazyData true

Imports htmltools, shiny, reactR, grDevices, utils

RoxygenNote 7.1.1

NeedsCompilation no

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`chakraNumberInput` *Chakra number input*

Description

This creates a number input in the Shiny UI.

Usage

```
chakraNumberInput(
  inputId,
  label = NULL,
  value,
  min,
  max,
  step = NULL,
  size = "md",
  options = list()
)
```

Arguments

`inputId`	the input slot that will be used to access the value
`label`	the label for the widget; this can be some HTML code
`value`	initial value
`min`	minimum allowed value
`max`	maximum allowed value
`step`	stepping interval to use when adjusting the value
`size`	size of the widget, can be `"sm"` (small), `"md"` (medium) or `"lg"` (large)
`options`	a list of options for the number input created with `numberInputOptions`; note that the width has to be set here

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`chakraSliderInput` *Chakra slider*

Description

This creates a chakra slider in the Shiny UI. A chakra slider has two elements: a number input and a slider, which are linked together.

Usage

```
chakraSliderInput(
  inputId,
  label = NULL,
  value,
  min,
  max,
  step = NULL,
  width = "100%",
  size = "md",
  numberInputOptions = list(),
  trackColor = NULL,
  thumbOptions = list(),
  gap = "2rem"
)
```

Arguments

inputId	the input slot that will be used to access the value
label	the label for the widget; this can be some HTML code
value	initial value
min	minimum allowed value
max	maximum allowed value
step	stepping interval to use when adjusting the value
width	width of the widget, e.g. "50%" or "200px"
size	size of the widget, can be "sm" (small), "md" (medium) or "lg" (large)
numberInputOptions	list of options for the number input; see numberInputOptions
trackColor	color(s) for the track of the slider, can be a single color or a vector of two colors, one for the left side and one for the right side
thumbOptions	list of options for the thumb of the slider; see thumbOptions
gap	size of the gap between the number input and the slider, e.g. "3px" or "5%"

Examples

```
library(shiny)
library(shinyChakraSlider)

ui <- fluidPage(
  br(),
  chakraSliderInput(
    "slider",
    label = tags$span(
      style = "font-size: 20px; font-style: italic; color: darkred;",
      "Chakra Slider"
    ),
```

```
    value = 5, min = 0, max = 10, step = 0.5,
    width = "50%", size = "lg",
    numberInputOptions = numberInputOptions(
      width = "25%",
      fontSize = "15px",
      fontColor = "navyblue",
      borderColor = "gold",
      borderWidth = "medium",
      focusBorderColor = "navyblue",
      stepperColor = c("palegreen", "lightpink")
    ),
    trackColor = c("lightpink2", "springgreen"),
    thumbOptions = thumbOptions(
      width = "30px",
      height = "30px",
      color = "white",
      borderColor = "darkblue",
      borderWidth = "8px",
      icon = "circle",
      iconSize = "2.5em"
    )
  ),
  br(),
  tags$div(
    style = "width: 50%;",
    wellPanel(
      style =
        "vertical-align: top; width: 150px; padding: 11.5px; float: left;",
      textOutput("value"),
    ),
    tags$div(
      style = "float: right;",
      actionButton("update", "Update value", class = "btn-danger btn-lg")
    )
  )
)

server <- function(input, output, session){

  output[["value"]] <- renderText({
    paste0("Value: ", input[["slider"]])
  })

  observeEvent(input[["update"]], {
    updateChakraSliderInput(session, "slider", value = 8)
  })

}

if(interactive()){
  shinyApp(ui, server)
}
```

numberInputOptions *Options for chakra number input or for the number input of a chakra slider*

Description

Create a list of options to be passed to `numberInputOptions` in `chakraNumberInput` or `chakraSliderInput`.

Usage

```
numberInputOptions(
  width = NULL,
  fontSize = NULL,
  fontColor = NULL,
  borderColor = NULL,
  focusBorderColor = NULL,
  borderWidth = NULL,
  stepperColor = NULL
)
```

Arguments

`width`	width of the number input, e.g. `"100px"` or `"20%"`
`fontSize`	font size of the displayed value, e.g. `"15px"`
`fontColor`	color of the displayed value
`borderColor`	color of the border of the number input
`focusBorderColor`	color of the border of the number input on focus
`borderWidth`	width of the border of the number input, e.g. `"3px"` or `"medium"`
`stepperColor`	color(s) of the steppers, can be a single color or a vector of two colors, one for each stepper (increment and decrement)

thumbOptions *Options for the thumb of a chakra slider*

Description

Create a list of options to be passed to `thumbOptions` in `chakraSliderInput`

Usage

```
thumbOptions(
  width = NULL,
  height = NULL,
  color = NULL,
  borderColor = NULL,
  borderWidth = NULL,
  icon = NULL,
  iconColor = NULL,
  iconSize = NULL
)
```

Arguments

width	width of the thumb, e.g. "30px"
height	height of the thumb, e.g. "30px"
color	color of the thumb
borderColor	color of the border of the thumb
borderWidth	width of the border of the thumb, e.g. "3px" or "thin"
icon	an icon for the thumb, can be "circle", "dotCircle", "bigdotCircle" or "arrows"
iconColor	color of the icon
iconSize	size of the icon, e.g. "10px" or "3em"

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updateChakraNumberInput

Update a chakra number input

Description

Update the value of a chakra number input.

Usage

```
updateChakraNumberInput(session, inputId, value)
```

Arguments

session	the Shiny session object
inputId	the id of the chakra number input to update
value	the new value of the chakra number input

`updateChakraSliderInput` *Update a chakra slider*

Description

Update the value of a chakra slider.

Usage

```
updateChakraSliderInput(session, inputId, value)
```

Arguments

`session`	the Shiny session object
`inputId`	the id of the chakra slider to update
`value`	the new value of the chakra slider

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