Package 'shinyTime'

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Type Package

Title A Time Input Widget for Shiny

Version 1.0.2

Description Provides a time input widget for Shiny. This widget allows intuitive time input in the '[hh]:[mm]:[ss]' or '[hh]:[mm]' (24H) format by using a separate numeric input for each time component. The interface with R uses date-time objects. See the project page for more information and examples.

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Imports htmltools, shiny

URL https://burgerga.github.io/shinyTime/, https://github.com/burgerga/shinyTime

BugReports https://github.com/burgerga/shinyTime/issues

RoxygenNote 7.2.1

Encoding UTF-8

Language en-US

Suggests testthat (>= 2.1.0), spelling

NeedsCompilation no

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R topics documented:

shinyTimeExample *Show the shinyTime example app*

Description

Run a simple shiny app demonstrating the shinyTime functionality.

Usage

```
shinyTimeExample()
```

See Also

Other shinyTime functions: `timeInput()`, `updateTimeInput()`

timeInput *Create a time input*

Description

Creates a time widget that consists of separate numeric inputs for the hours, minutes, and seconds. The input and output values of the time widget are instances of `DateTimeClasses`, these can be converted to and from character strings with `strptime` and `strftime`. For a simple example app see `shinyTimeExample`.

Usage

```
timeInput(inputId, label, value = NULL, seconds = TRUE, minute.steps = NULL)
```

Arguments

`inputId`	The `input` slot that will be used to access the value.
`label`	Display label for the control, or `NULL` for no label.
`value`	The desired time value. Must be a instance of `DateTimeClasses`.
`seconds`	Show input for seconds. Defaults to TRUE.
`minute.steps`	Round time to multiples of `minute.steps` (should be a whole number). If not NULL sets `seconds` to `FALSE`.

Value

Returns a `POSIXlt` object, which can be converted to a `POSIXct` object with `as.POSIXct` for more efficient storage.

See Also

strptime, strftime, DateTimeClasses

Other shinyTime functions: shinyTimeExample(), updateTimeInput()

Examples

```
## Only run examples in interactive R sessions
if (interactive()) {

ui <- fluidPage(
  # Default value is 00:00:00
  timeInput("time1", "Time:"),

  # Set to current time
  timeInput("time2", "Time:", value = Sys.time()),

  # Set to custom time
  timeInput("time3", "Time:", value = strptime("12:34:56", "%T")),

  # Use %H:%M format
  timeInput("time4", "Time:", seconds = FALSE),

  # Use multiples of 5 minutes
  timeInput("time5", "Time:", minute.steps = 5)
)

shinyApp(ui, server = function(input, output) { })
}
```

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updateTimeInput *Change a time input on the client*

Description

Change the label and/or value of a time input

Usage

```
updateTimeInput(session, inputId, label = NULL, value = NULL)
```

Arguments

session	The session object passed to function given to shinyServer. Default is getDefaultReactiveDomain()
inputId	The id of the input object.
label	The label to set for the input object.
value	The desired time value. Must be a instance of DateTimeClasses.

See Also

Other shinyTime functions: `shinyTimeExample()`, `timeInput()`

Examples

```
## Only run examples in interactive R sessions
if (interactive()) {

ui <- fluidPage(
  timeInput("time", "Time:"),
  actionButton("to_current_time", "Current time")
)

server <- function(input, output, session) {
  observeEvent(input$to_current_time, {
    updateTimeInput(session, "time", value = Sys.time())
  })
}

shinyApp(ui, server)
}
```

Index