Package 'shinyTime'

October 7, 2016

Type Package

Title A Time Input Widget for Shiny

Version 0.2.1

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 'DateTimeClasses' objects. See the project page for more information and examples.

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LazyData TRUE

Imports htmltools, shiny

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

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

RoxygenNote 5.0.1

NeedsCompilation no

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Repository CRAN

Date/Publication 2016-10-07 18:10:22

R topics documented:

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shinyTime   *shinyTime: A Time Input Widget for Shiny*

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 inter-
face with R uses DateTimeClasses objects.

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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

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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)
```

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 FALSE

See Also

strptime, strftime

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)
)

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.
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)
}
```

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