Package ‘shinyBS’

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R topics documented:

addPopover .................................................. 2
addTooltip .................................................. 3
Alerts ......................................................... 4
bsAlert ....................................................... 5
bsButton ..................................................... 6
bsCollapse ................................................ 7
bsCollapsePanel .......................................... 8
bsExample .................................................. 8
bsModal ..................................................... 9
bsPopover .................................................. 10
bsTooltip .................................................. 11
Buttons ..................................................... 12
closeAlert ................................................. 14
Collapses .................................................. 15
Description

`addPopover` is used within the Server logic of an app to add a popover to a Shiny input or output.

Usage

```r
addPopover(session, id, title, content, placement = "bottom",
    trigger = "hover", options = NULL)
```

Arguments

- `session`: The session object passed to function given to shinyServer.
- `id`: The id of the element to attach the popover to.
- `title`: The title of the popover.
- `content`: The main content of the popover.
- `placement`: Where the popover should appear relative to its target (`top`, `bottom`, `left`, or `right`). Defaults to `bottom`.
- `trigger`: What action should cause the popover to appear? (`hover`, `focus`, `click`, or `manual`). Defaults to `hover`.
- `options`: A named list of additional options to be set on the popover.

Details

See `Tooltips_and_Popovers` for more information about how to use `addPopover` with the rest of the `Tooltips_and_Popovers` family.

Note

Run `bsExample("Tooltips_and_Popovers")` for an example of `addPopover` functionality.
addTooltip

See Also

Twitter Bootstrap 3

Other Tooltips_and_Popovers: Tooltips_and_Popovers; addTooltip; bsPopover; bsTooltip; popify; removePopover; removeTooltip; tipify

Description

addTooltip is used within the Server logic of an app to add a tooltip to a Shiny input or output.

Usage

addTooltip(session, id, title, placement = "bottom", trigger = "hover", options = NULL)

Arguments

  session  The session object passed to function given to shinyServer.
  id       The id of the element to attach the tooltip to.
  title    The content of the tooltip.
  placement Where the tooltip should appear relative to its target (top, bottom, left, or right). Defaults to "bottom".
  trigger  What action should cause the tooltip to appear? (hover, focus, click, or manual). Defaults to "hover".
  options  A named list of additional options to be set on the tooltip.

Details

See Tooltips_and_Popovers for more information about how to use addTooltip with the rest of the Tooltips_and_Popovers family.

Note

Run bsExample("Tooltips_and_Popovers") for an example of addTooltip functionality.

See Also

Twitter Bootstrap 3

Other Tooltips_and_Popovers: Tooltips_and_Popovers; addPopover; bsPopover; bsTooltip; popify; removePopover; removeTooltip; tipify
Alerts

Description

Alerts allow you to communicate information to the user on the fly. Standard Bootstrap styling options give the user a hint at the type of information contained in the Alert.

Details

To create alerts in your Shiny app you must place `bsAlert` in your ui. This serves as an anchor that tells shinyBS where to place the alerts created with `createAlert`.

Use `createAlert` in your server script to add alerts to the anchor you created with `bsAlert` in your ui. You can place `createAlert` in observers, reactives, or outputs. A common usage may be to have logic that validates a user’s inputs. If they are valid produce the requested output, if not use `createAlert` to give the user info about what they need to change.

Components

There are three functions in the Alerts family:

- **bsAlert**: Used in the UI to create an anchor where your Alerts will be displayed.
- **createAlert**: Used in the Server logic to create alerts. This would be used within a reactive context to display error or success messages to the user based on the status of that context.
- **closeAlert**: Used in the Server logic to close an alert that is already open. By default, Alerts are dismissable by the user, but this offers you a way to close them programmatically.

Changes

- `style` was called `type` in previous versions of shinyBS.
- `anchorId` was called `inputId` in previous versions of shinyBS.
- `content` was called `message` in previous versions of shinyBS.

Note

Run `bsExample("Alerts")` for an example of Alerts functionality.

See Also

- Twitter Bootstrap 3
- Other Alerts: `bsAlert`; `closeAlert`; `createAlert`
Examples

```r
library(shiny)
library(shinyBS)
app <- shinyApp(
  ui = fluidPage(
    sidebarLayout(
      sidebarPanel(textInput("num1", NULL, value = 100),
        "divided by", textInput("num2", NULL, value = 20),
        "equals", textOutput("exampleOutput")),
      mainPanel(
        bsAlert("alert")
      )
    ),
    server = function(input, output, session) {
      output$exampleOutput <- renderText({
        num1 <- as.numeric(input$num1)
        num2 <- as.numeric(input$num2)
        if(is.na(num1) | is.na(num2)) {
          createAlert(session, "alert", "exampleAlert", title = "Oops",
                       content = "Both inputs should be numeric.", append = FALSE)
        } else if(num2 == 0) {
          createAlert(session, "alert", "exampleAlert", title = "Oops",
                       content = "You cannot divide by 0.", append = FALSE)
        } else {
          closeAlert(session, "exampleAlert")
          return(num1/num2)
        }
      })
    }
  )
)
## Not run:
runApp(app)
## End(Not run)
```

Description

bsAlert creates an anchor point in your UI definition. This anchor point is where alerts created in your Server logic will be displayed.
Usage

bsAlert(ANCHORID)

Arguments

ANCHORID A unique id that identifies the anchor.

Details

See Alerts for more information about how to use bsAlert with the rest of the Alerts family.

Note

Run bsExample("Alerts") for an example of bsAlert functionality.

See Also

Twitter Bootstrap 3

Other Alerts: Alerts; closeAlert; createAlert

---

bsButton

bsButton

Description

bsButton is used in your UI script to create customizable action and toggle buttons.

Usage

bsButton(inputId, label, icon = NULL, ..., style = "default", size = "default", type = "action", block = FALSE, disabled = FALSE, value = FALSE)

Arguments

inputId Specifies the input slot that will be used to access the value.
label The contents of the button or link—usually a text label, but you could also use any other HTML, like an image.
icon An optional icon to appear on the button.
... Named attributes to be applied to the button or link.
style A Bootstrap style to apply to the button. (default, primary, success, info, warning, or danger)
size The size of the button (extra-small, small, default, or large)
type The type of button to create. (action or toggle)
block logical Should the button take the full width of the parent element?
disabled logical Should the button be disabled (un-clickable)?
value logical If type = "toggle", the initial value of the button.
**bsCollapse**

**Details**
See **Buttons** for more information about how to use bsButton with the rest of the Buttons family.

**Note**
Run bsExample("Buttons") for an example of bsButton functionality.

**See Also**
- Twitter Bootstrap 3
- Other Buttons: **Buttons; updateButton**

---

**bsCollapse**

**bsCollapse**

**Description**
bsCollapse is used in your UI to create a collapse panel group. Use bsCollapsePanel to populate this object with panels.

**Usage**
bsCollapse(..., id = NULL, multiple = FALSE, open = NULL)

**Arguments**
- **id**
  - **Optional** You can use input$id in your Server logic to determine which panels are open, and updateCollapse to open/close panels.
- **multiple**
  - Can more than one panel be open at a time? Defaults to FALSE.
- **open**
  - The value, (or if none was supplied, the title) of the panel(s) you want open on load.
- **...**
  - bsCollapsePanel elements to include in the Collapse.

**Details**
See **Collapses** for more information about how to use bsCollapse with the rest of the Collapses family.

**Note**
Run bsExample("Collapses") for an example of bsCollapse functionality.

**See Also**
- Twitter Bootstrap 3
- Other Collapses: **Collapses; bsCollapsePanel; updateCollapse**
bsCollapsePanel

Description

bsCollapsePanel creates individual panels within a bsCollapse object.

Usage

bsCollapsePanel(title, ..., value = title, style = NULL)

Arguments

title The title to display at the top of the panel.
value Optional The value to return when this panel is open. Defaults to title.
style Optional A Bootstrap style to apply to the panel. (primary, danger, warning, info, or success)
... UI elements to include within the panel.

Details

See Collapses for more information about how to use bsCollapsePanel with the rest of the Collapses family.

Note

Run bsExample("Collapses") for an example of bsCollapsePanel functionality.

See Also

Twitter Bootstrap 3
Other Collapses: Collapses; bsCollapse; updateCollapse

bsExample

Description

A function to view examples of shinyBS functionality. Will run the examples found in the examples sections of shinyBS documentation. Use this instead of example.

Usage

bsExample(family, display.mode = "showcase", ...)

bsExample
bsModal

Arguments

family A shinyBS family name
display.mode The display mode to use when running the example. See runApp.
...
Other parameters to pass to runApp.

Details

This function is just a wrapper for runApp that runs copies of the examples found in the family documentation pages of shinyBS. By default, display.mode is set to showcase so you can see the code while the app is running.

Examples

## Not run:
bsExample("Alerts")
## End(Not run)

bsModal bsModal

Description

bsModal is used within the UI to create a modal window.

Usage

bsModal(id, title, trigger, ..., size)

Arguments

id A unique identifier for the modal window
title The title to appear at the top of the modal
trigger The id of a button or link that will open the modal.
size Optional What size should the modal be? (small or large)
...
UI elements to include within the modal

Details

See Modals for more information about how to use bsModal with the rest of the Modals family.

Note

Run bsExample("Modals") for an example of bsModal functionality.

See Also

Twitter Bootstrap 3
Other Modals: Modals; toggleModal
bsPopover

Description

bsPopover is used within the UI of an app to add a popover to a Shiny input or output.

Usage

bsPopover(id, title, content, placement = "bottom", trigger = "hover", options = NULL)

Arguments

- id: The id of the element to attach the popover to.
- title: The title of the popover.
- content: The main content of the popover.
- placement: Where the popover should appear relative to its target (top, bottom, left, or right). Defaults to "bottom".
- trigger: What action should cause the popover to appear? (hover, focus, click, or manual). Defaults to "hover".
- options: A named list of additional options to be set on the popover.

Details

See Tooltips_and_Popovers for more information about how to use bsPopover with the rest of the Tooltips_and_Popovers family.

Note

Run bsExample("Toolips_and_Popovers") for an example of bsPopover functionality.

See Also

Twitter Bootstrap 3

Other Tooltips_and_Popovers: Tooltips_and_Popovers: addPopover; addTooltip; bsTooltip; popify; removePopover; removeTooltip; tipify
bsTooltip

Description

bsTooltip is used within the UI of an app to add a tooltip to a Shiny input or output.

Usage

bsTooltip(id, title, placement = "bottom", trigger = "hover",
options = NULL)

Arguments

- **id**: The id of the element to attach the tooltip to.
- **title**: The content of the tooltip.
- **placement**: Where the tooltip should appear relative to its target (top, bottom, left, or right). Defaults to "bottom".
- **trigger**: What action should cause the tooltip to appear? (hover, focus, click, or manual). Defaults to "hover".
- **options**: A named list of additional options to be set on the tooltip.

Details

See Tooltips_and_Popovers for more information about how to use bsTooltip with the rest of the Tooltips_and_Popovers family.

Note

Run bsExample("Tooltips_and_Popovers") for an example of bsTooltip functionality.

See Also

Twitter Bootstrap 3

Other Tooltips_and_Popovers: Tooltips_and_Popovers; addPopover; addTooltip; bsPopover; popify; removePopover; removeTooltip; tipify
Buttons

Description

Twitter Bootstrap gives many options for styling buttons that aren’t made available by standard Shiny. Use shinyBS to create buttons of different sizes, shapes, and colors.

Details

Create a button in the UI with bsButton. If type = "action" the button will behave like the standard actionButton in shiny. If type = "toggle" the button will behave like a checkboxInput with an on and off state. It will return TRUE or FALSE to the Server depending on its state.

You can update the style and state of a bsButton from the Server logic with updateButton. For example, a button could be set to disabled = TRUE until the user has made some other selections, then once those selections have been made, an observer on the Server could use updateButton to enable the button allowing the user to proceed. Alternatively, you could set the button to style = "success" to let them know that the button is ready to be clicked.

Components

There are two functions in the Buttons family:

bsButton Used in the UI to create a button. Buttons can be of the type action or toggle.
updateButton Used in the Server logic to modify the state of a button created with bsButton

Changes

bsActionButton and bsToggleButton were replaced with just bsButton with a type argument.
icon was added to allow placing an icon in the button.

Note

Run bsExample("Buttons") for an example of Buttons functionality.

See Also

Twitter Bootstrap 3
Other Buttons: bsButton; updateButton

Examples

library(shiny)
library(shinyBS)
app = shinyApp(
  ui =
    fluidPage(
Buttons

```r
sidebarLayout(
  sidebarPanel(
    sliderInput("bins",
      "Move the slider to see its effect on the button below:",
      min = 1,
      max = 50,
      value = 1),
    bsButton("actTwo", label = "Click me if you dare!", icon = icon("ban")),
    tags\$p("Clicking the first button below changes the disabled state of the second button."),
    bsButton("togOne", label = "Toggle button disabled status",
      block = TRUE, type = "toggle", value = TRUE),
    bsButton("actOne", label = "Block Action Button", block = TRUE)
  ),
  mainPanel(
    textOutput("exampleText")
  )
),
server =
  function(input, output, session) {
    observeEvent(input\$togOne, {
      updateButton(session, "actOne", disabled = !input\$togOne)
    })
    observeEvent(input\$bins, {
      b <- input\$bins
      disabled = NULL
      style = "default"
      icon = ""
      if(b < 5) {
        disabled = TRUE
        icon <- icon("ban")
      } else {
        disabled = FALSE
      }
      if(b < 15 | b > 35) {
        style = "danger"
      } else if(b < 20 | b > 30) {
        style = "warning"
      } else {
        style = "default"
        icon = icon("check")
      }
      updateButton(session, "actTwo", disabled = disabled, style = style, icon = icon)
    })
    output\$exampleText <- renderText({
      input\$actTwo
    })
  })
```
```r
b <- isolate(input$bins)

txt = ""
if((b > 5 & b < 15) | b > 35) {
    txt = "That was dangerous."
} else if((b > 5 & b < 20) | b > 30) {
    txt = "I warned you about that."
} else if(b >= 20 & b <= 30) {
    txt = "You have chosen... wisely."
}
return(txt)
```

## Not run:
runApp(app)

## End(Not run)

---

**closeAlert**

**Description**

closeAlert is used within your Server logic to close an alert that you created with `createAlert`.

**Usage**

closeAlert(session, alertId)

**Arguments**

- `session` The session object passed to function given to shinyServer.
- `alertId` The id of the alert to be dismissed.

**Details**

See Alerts for more information about how to use closeAlert with the rest of the Alerts family.

**Note**

Run bsExample("Alerts") for an example of closeAlert functionality.

**See Also**

- Twitter Bootstrap 3
- Other Alerts: Alerts, bsAlert, createAlert
Collapses

Description

Collapse panels allow you to reduce clutter in your Shiny app by making panels of information that open and close with a user’s click. Any type of content can go in a collapse panel. Standard Bootstrap styling options are available.

Details

Collapses are designed to mimic `tabsetPanel` in their implementation. Start with `bsCollapse` to create a panel group, then fill it with panels using `bsCollapsePanel`.

`bsCollapse` acts as an input, so you can retrieve which panels are open from the input object passed to the function in `shinyServer`. `updateCollapse` can be used within your server logic to open/close collapse panels or to change their style.

Components

- `bsCollapse` A container for holder the individual panels created by `bsCollapsePanel`.
- `bsCollapsePanel` Creates an individual Collapse Panel that resides within a `bsCollapse`.
- `updateCollapse` Used within your server logic to open/close collapse panels or change their style.

Changes

- `style` is a new option that wasn’t available in previous versions of shinyBS.

Note

Run `bsExample("Collapses")` for an example of Collapses functionality.

See Also

- Twitter Bootstrap 3
- Other Collapses: `bsCollapsePanel`; `bsCollapse`; `updateCollapse`

Examples

```r
library(shiny)
library(shinyBS)

app = shinyApp(
  ui = fluidPage(
    sidebarLayout(
      sidebarPanel(HTML("This button will open Panel 1 using <code>updateCollapse</code>.")
    )
  )
)```
createAlert

**Description**

createAlert is used within the Server logic of your Shiny app to display an alert to the user.

**Usage**

createAlert(session, anchorId, alertId = NULL, title = NULL, content = NULL, style = NULL, dismiss = TRUE, append = TRUE)

**Arguments**

- **session**
  The session object passed to function given to shinyServer.

- **anchorId**
  The unique identifier of the anchor where the alert should be displayed.

- **alertId**
  **Optional** A unique identifier for the Alert.

- **title**
  **Optional** A title for the Alert.
content The main body of the Alert. HTML tags are allowed.
style A bootstrap style to apply. Defaults to info.
dismiss logical Should the Alert be user dismissable? Defaults to TRUE.
append logical Should the Alert be appended below existing Alerts? Default to TRUE.

Details

See Alerts for more information about how to use createAlert with the rest of the Alerts family.

Note

Run bsExample("Alerts") for an example of createAlert functionality.

See Also

Twitter Bootstrap 3
Other Alerts: Alerts; bsAlert; closeAlert

Modals

Description

Modal windows are similar to popups but are rendered within the original window. They can contain any combination of shiny inputs, shiny outputs, and html. Possible uses include extra controls that you don’t want cluttering up the main app display or help pages to explain your apps operation.

Details

Use bsModal in your UI to create a modal window. It works like Collapses or tabPanel, any non-named arguments will be passed as content for the modal.
Create a button or link and assign its inputId as the trigger in bsModal.

Components

There are only two functions in the Modals family:

bsModal Used in the UI to create a modal window.
toggleModal Used in the Server logic to open or close a modal window programatically.

Changes

There is now a toggle argument in toggleModal that allows you to specify whether you want the modal to open or close.
The size argument in bsModal allows you to specify the size of the modal window. Either small or large.
Note

Run `bsExample("Modals")` for an example of `Modals` functionality.

See Also

Twitter Bootstrap 3
Other Modals: `bsModal`, `toggleModal`

Examples

```r
library(shiny)
library(shinyBS)

app = shinyApp(
  ui = fluidPage(
    sidebarLayout(
      sidebarPanel(
        sliderInput("bins", "Number of bins:", min = 1, max = 50, value = 30),
        actionButton("tabBut", "View Table")
      ),
      mainPanel(
        plotOutput("distPlot"),
        bsModal("modalExample", "Data Table", "tabBut", size = "large",
          dataTableOutput("distTable"))
      )
    ),
    server = function(input, output, session) {
      output$distPlot <- renderPlot({
        x <- faithful[, 2]
        bins <- seq(min(x), max(x), length.out = input$bins + 1)
        # draw the histogram with the specified number of bins
        hist(x, breaks = bins, col = 'darkgray', border = 'white')
      })
      output$distTable <- renderDataTable({
        x <- faithful[, 2]
        bins <- seq(min(x), max(x), length.out = input$bins + 1)
        # draw the histogram with the specified number of bins
      })
    })
  )
)
library(popify)

Description

popify can be wrapped around any shiny UI element to add a popover to the wrapped element. This should be a safer way to add popovers to elements created with renderUI.

Usage

popify(el, title, content, placement = "bottom", trigger = "hover", options = NULL)

Arguments

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>el</td>
<td>A shiny UI element.</td>
</tr>
<tr>
<td>title</td>
<td>The title of the popover.</td>
</tr>
<tr>
<td>content</td>
<td>The main content of the popover.</td>
</tr>
<tr>
<td>placement</td>
<td>Where the popover should appear relative to its target (top, bottom, left, or right). Defaults to &quot;bottom&quot;.</td>
</tr>
<tr>
<td>trigger</td>
<td>What action should cause the popover to appear? (hover, focus, click, or manual). Defaults to &quot;hover&quot;.</td>
</tr>
<tr>
<td>options</td>
<td>A named list of additional options to be set on the popover.</td>
</tr>
</tbody>
</table>

Details

See Tooltips_and_Popovers for more information about how to use popify with the rest of the Tooltips_and_Popovers family.
Note

Run bsExample("Tooltips_and_Popovers") for an example of popify functionality.

See Also

Twitter Bootstrap 3

Other Tooltips_and_Popovers: Tooltips_and_Popovers; addPopover; addTooltip; bsPopover; bsTooltip; removePopover; removeTooltip; tipify

Description

removePopover is used within the Server logic of an app to remove an existing popover from a Shiny input or output.

Usage

removePopover(session, id)

Arguments

session The session object passed to function given to shinyServer.

id The id of the element to remove the popover from.

Details

See Tooltips_and_Popovers for more information about how to use removePopover with the rest of the Tooltips_and_Popovers family.

Note

Run bsExample("Tooltips_and_Popovers") for an example of removePopover functionality.

See Also

Twitter Bootstrap 3

Other Tooltips_and_Popovers: Tooltips_and_Popovers; addPopover; addTooltip; bsPopover; bsTooltip; popify; removeTooltip; tipify
removeTooltip

Description

removeTooltip is used within the Server logic of an app to remove an existing tooltip from a Shiny input or output.

Usage

removeTooltip(session, id)

Arguments

session The session object passed to function given to shinyServer.
id The id of the element to remove the tooltip from.

Details

See Tooltips_and_Popovers for more information about how to use removeTooltip with the rest of the Tooltips_and_Popovers family.

Note

Run bsExample("Tooltips_and_Popovers") for an example of removeTooltip functionality.

See Also

Twitter Bootstrap 3
Other Tooltips_and_Popovers: Tooltips_and_Popovers; addPopover; addTooltip; bsPopover; bsTooltip; popify;removePopover; tipify

tipify

Description

tipify can be wrapped around any shiny UI element to add a tooltip to the wrapped element. This should be a safer way to add tooltips to elements created with renderUI.

Usage

tipify(el, title, placement = "bottom", trigger = "hover", options = NULL)
toggleModal

Arguments

- **el**: A shiny UI element.
- **title**: The content of the tooltip.
- **placement**: Where the tooltip should appear relative to its target (top, bottom, left, or right). Defaults to "bottom".
- **trigger**: What action should cause the tooltip to appear? (hover, focus, click, or manual). Defaults to "hover".
- **options**: A named list of additional options to be set on the tooltip.

Details

See Tooltips_and_Popovers for more information about how to use tipify with the rest of the Tooltips_and_Popovers family.

Note

Run bsExample("Tooltips_and_Popovers") for an example of tipify functionality.

See Also

Twitter Bootstrap 3

Other Tooltips_and_Popovers: Tooltips_and_Popovers; addPopover; addTooltip; bsPopover; bsTooltip; popify; removePopover; removeTooltip

toggleModal

toggleModal

description

toggleModal is used within your Server logic to open or close a modal window.

Usage

toggleModal(session, modalId, toggle = "toggle")

Arguments

- **session**: The session object passed to function given to shinyServer.
- **modalId**: The id of the modal window you want to open/close
- **toggle**: Should the modal window open, close, or toggle?

Details

See Modals for more information about how to use toggleModal with the rest of the Modals family.
Tooltips and Popovers

Note

Run bsExample("Modals") for an example of toggleModal functionality.

See Also

Twitter Bootstrap 3

Other Modals: Modals; bsModal

Description

Tooltips and Popovers allow you to add additional information about controls or outputs without cluttering up your user interface. You can add a tooltip to a button that displays on hover and better explains what the button will do, or you could add a popover to an output providing further analysis of that output.

Details

You can create tooltips and popovers from either the UI script or within the Server logic. bsTooltip and bsPopover are used in the UI, and addTooltip and addPopover are used in the Server logic. tipify and popify can be used within the UI or from within a renderUI in the Server logic. They also have the added advantage of not requiring that the UI element have an ID attribute.

Components

There are eight functions in the Tooltips and Popovers family:

- bsTooltip Used in the UI to add a tooltip to an element in your UI.
- bsPopover Used in the UI to add a popover to an element in your UI.
- tipify Wrap any UI element in tipify to add a tooltip to the wrapped element. Preferred for elements created with renderUI.
- popify Wrap any UI element in popify to add a popover to the wrapped element. Preferred for elements created with renderUI.
- addTooltip Used in the Server logic to add a tooltip to an element in your UI.
- addPopover Used in the Server logic to add a popover to an element in your UI.
- removeTooltip Used in the Server logic to remove a tooltip from an element in your UI.
- removePopover Used in the Server logic to remove a popover from an element in your UI.

Changes

An options argument has been added to the creation functions to allow advanced users more control over how the tooltips and popovers appear. See the Twitter Bootstrap 3 documentation for more details.
Note

Tooltips and Popovers cannot contain shiny inputs or outputs.

There must be at least one shinyBS component in the UI of your app in order for the necessary dependencies to be loaded. Because of this, addTooltip and addPopover will not work if they are the only shinyBS components in your app.

Tooltips and popovers may not work on some of the more complex shiny inputs or outputs. If you encounter a problem with tooltips or popovers not appearing please file a issue on the github page so I can fix it.

Run bsExample("Tooltips_and_Popovers") for an example of Tooltips_and_Popovers functionality.

See Also

Twitter Bootstrap 3

Other Tooltips_and_Popovers: addPopover; addTooltip; bsPopover; bsTooltip; popify; removePopover; removeTooltip; tipify

Examples

```r
library(shiny)
library(shinyBS)

app = shinyApp(
  ui = fluidPage(
    sidebarLayout(
      sidebarPanel(
        sliderInput("bins", "Number of bins:", min = 1, max = 50, value = 30),
        bsTooltip("bins", "The wait times will be broken into this many equally spaced bins", "right", options = list(container = "body")),
      ),
      mainPanel(
        plotOutput("distPlot"),
        uiOutput("uiExample")
      )
    ),
  ),
  server = function(input, output, session) {
    output$distPlot <- renderPlot({
      # generate bins based on input$bins from ui.R
      x <- faithful[, 2]
      bins <- seq(min(x), max(x), length.out = input$bins + 1)

      # draw the histogram with the specified number of bins
    })
  }
)
```
```r
description = "updateButton is used in your Server logic to update the style or state of a button."

usage = updateButton(session, inputId, label = NULL, icon = NULL, value = NULL,
                      style = NULL, size = NULL, block = NULL, disabled = NULL)

arguments =
  session     The session object passed to function given to shinyServer.
  inputId     Specifies the input slot that will be used to access the value.
  label       The contents of the button or link–usually a text label, but you could also use
              any other HTML, like an image.
  icon        An optional icon to appear on the button.
  value       logical If type = "toggle", the initial value of the button.
  style       A Bootstrap style to apply to the button. (default, primary, success, info,
              warning, or danger)
  size        The size of the button (extra-small, small, default, or large)
  block       logical Should the button take the full width of the parent element?
  disabled    logical Should the button be disabled (un-clickable)?
```

```r
hist(x, breaks = bins, col = 'darkgray', border = 'white')

})
output$uiExample <- renderUI({
  tags$span(
    popify(bsButton("pointlessButton", "Button", style = "primary", size = "large"),
      "A Pointless Button",
      "This button is &lt;b&gt;pointless&lt;/b&gt;. It does not do &lt;em&gt;anything&lt;/em&gt;!"),
    tipify(bsButton("pB2", "Button", style = "inverse", size = "extra-small"),
      "This button is pointless too!")
  )
})
addPopover(session, "distPlot", "Data", content = paste0("&lt;p&gt;Waiting time between ",
  "eruptions and the duration of the eruption for the Old Faithful geyser ",
  "in Yellowstone National Park, Wyoming, USA.&lt;/p&gt;&lt;p&gt;Azzalini, A. and ",
  "Applied Statistics 39, 357-365.&lt;/p&gt;"), trigger = 'click')

## Not run:
runApp(app)
## End(Not run)
```
Details

Because of the way it is coded, updateButton may work on buttons not created by bsButton such as submitButton.

See Buttons for more information about how to use updateButton with the rest of the Buttons family.

Note

Run bsExample("Buttons") for an example of updateButton functionality.

See Also

Twitter Bootstrap 3
Other Buttons: Buttons; bsButton

updateCollapse

Description

updateCollapse is used within the Server logic of your Shiny app to modify a Collapse after load.

Usage

updateCollapse(session, id, open = NULL, close = NULL, style = NULL)

Arguments

session The session object passed to function given to shinyServer.
id The id of the Collapse object you want to change.
open A vector of value (or title if no value was provided) values identifying the panels you want to open.
close A vector of value (or title if no value was provided) values identifying the panels you want to close.
style A named list of Bootstrap styles (primary, danger, info, warning, success, or default). The names should correspond to the value (or title if no value was provided) of the bsCollapsePanel you want to change.

Details

See Collapses for more information about how to use updateCollapse with the rest of the Collapses family.

Note

Run bsExample("Collapses") for an example of updateCollapse functionality.
See Also

Twitter Bootstrap 3

Other Collapses: Collapses; bsCollapsePanel; bsCollapse
Index

actionButton, 12
addPopover, 2, 3, 10, 11, 20–24
addTooltip, 3, 3, 10, 11, 20–24
Alerts, 4, 6, 14, 17
bsAlert, 4, 5, 14, 17
bsButton, 6, 12, 26
bsCollapse, 7, 8, 15, 27
bsCollapsePanel, 7, 8, 15, 26, 27
bsExample, 8
bsModal, 9, 17, 18, 23
bsPopover, 3, 10, 11, 20–24
bsTooltip, 3, 10, 11, 20–24
Buttons, 7, 12, 26
checkboxInput, 12
closeAlert, 4, 6, 14, 17
Collapses, 7, 8, 15, 17, 26, 27
createAlert, 4, 6, 14, 16
icon, 6, 25
Modals, 9, 17, 22, 23
popify, 3, 10, 11, 19, 20–24
removePopover, 3, 10, 11, 20, 20, 21–24
removeTooltip, 3, 10, 11, 20, 21, 22–24
renderUI, 19, 21, 23
runApp, 9
shinyServer, 15
submitButton, 26
tabPanel, 17
tabsetPanel, 15
tipify, 3, 10, 11, 20, 21, 21, 23, 24
toggleModal, 9, 17, 18, 22
Tooltips_and_Popovers, 2, 3, 10, 11, 19–22, 23
updateButton, 7, 12, 25
updateCollapse, 7, 8, 15, 26