

Package ‘r2resize’

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Type Package

Title In-Text Resizer for Images, Tables and Fancy Resizable Containers in 'shiny', 'rmarkdown' and 'quarto' Documents

Version 1.9

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Description Automatic resizing toolbar for containers, images and tables. Various resizable or expandable container functionalities are also included. Most suitable to include in 'shiny', 'markdown' and 'quarto' documents.

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URL <https://r2resize.obianom.com>

BugReports <https://github.com/oobianom/r2resize/issues>

Depends R (> 3.6)

Imports utils, shiny, htmltools, quickcode, DT, nextGenShinyApps

Suggests rmarkdown, knitr, r2symbols, testthat

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add.JQuery	<i>Attach jQuery to current document</i>
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Description

The current function allows inclusion of jQuery in an HTML output

Usage

```
add.JQuery(version = "3.5.1")
```

Arguments

version	jQuery version
---------	----------------

Value

script tag with jQuery link

Note

This function holds significance across the entire package, particularly in scenarios where a specific HTML output lacks the inclusion of the jQuery script required by other functions within this package. It serves as a crucial mechanism for ensuring that functionalities within the package remain operable even when the necessary jQuery script is absent from the HTML page by default knitting. By providing a fallback option, this function enhances the robustness and reliability of the package, allowing it to gracefully handle situations where jQuery is not explicitly included. Its role is pivotal in maintaining consistent behavior and functionality across diverse HTML environments, thereby facilitating seamless integration and usage of the package across various web development contexts.

Examples

```
add.JQuery()
add.JQuery("3.7.1") # add a specific version
```

 add.resizer

Configure toolbar settings for the page

Description

Set options for the inclusion of sizing toolbar in documents

Usage

```
add.resizer(
  theme.color = NULL,
  position = c("top", "bottom"),
  font.size = NULL,
  font.color = NULL,
  tables = TRUE,
  images = TRUE,
  line.color = NULL,
  thumb.width = NULL,
  thumb.height = NULL,
  line.width = NULL,
  line.height = NULL,
  dim.units = "px",
  default.image.width = NULL
)
```

Arguments

theme.color	theme color for resizer and table e.g. black or #000000
position	position of the resize toolbar e.g. top or bottom
font.size	size of the page font in px e.g. 14px
font.color	color of the page font in e.g. darkblue or #006699
tables	boolean. TRUE or FALSE, to add resize toolbar to tables
images	boolean. TRUE or FALSE, to add resize toolbar to images
line.color	color of the resizer track e.g. red or #f5f5f5
thumb.width	width of the resizer thumb e.g. 25
thumb.height	height of the resizer thumb e.g. 25
line.width	width of the resizer track e.g. 200
line.height	height of the resizer track e.g. 10
dim.units	unit for the height and width of the track or thumb
default.image.width	default width of all images on the page e.g. 100

Value

Inclusion of mini toolbar for images and tables within a page

Examples for r2resize

More examples and demo pages for this function are located at this link - <https://r2resize.obianom.com>.

Examples

```
# default settings
r2resize::add.resizer()

# add resizer to only images
r2resize::add.resizer(
  tables = FALSE,
  images = TRUE
)

# add resizer to only tables
r2resize::add.resizer(
  tables = TRUE,
  images = FALSE
)

# add resizer to both images
r2resize::add.resizer(
  tables = TRUE,
  images = TRUE
)

# set position of the resize toolbar
r2resize::add.resizer(
  position = "top" #this is the default, another is 'bottom'
)

# set resizer line color, height and width
r2resize::add.resizer(
  line.color = "green",
  line.width = 150,
  line.height = 5
)

#declare more arguments including default image size
r2resize::add.resizer(
  theme.color = "blue",
  position = "top",
  font.size = "12px",
  font.color = "brown",
```

```

    tables = TRUE,
    images = TRUE,
    line.color = "green",
    line.width = 150,
    line.height = 5,
    default.image.width = "40%"
  ) # customized settings

```

elastiCard

Hover elastic card container

Description

Automatic elastic card holder for images or navigation items

Usage

```

elastiCard(
  ...,
  height.px = NULL,
  width.px = NULL,
  border.color = "white",
  border.width.px = 1,
  active.panel = 1
)

```

Arguments

...	list of image containers, see example below
height.px	height of container as numeric
width.px	width of container as numeric
border.color	color of border of each container
border.width.px	width of the container border
active.panel	the active panel or container e.g. 1

Value

Multiple cards with hover elastic functionality

Examples for r2resize

More examples and demo pages are located at this link - <https://rpkg.net/package/r2resize>.

Examples

```
#basic example with texts alone
r2resize::elastiCard(
  item1 = c(
    icon = "edit",
    title="Lorem ipsum dolor sit amet, consectetur
adipiscing elit, sed do eiusmod tempor incididunt
ut labore et dolore magna aliqua. Ut enim ad
minim veniam, quis nostrud exercitation
ullamco laboris nisi ut aliquip ex ea
commodo consequat.",
    subtitle="A cool subtitle",
    text.color="blue"),
  item2 = c(
    title="Duis aute irure dolor in reprehenderit
in voluptate velit esse cillum dolore eu fugiat
nulla pariatur. Excepteur sint occaecat cupidatat
non proident, sunt in culpa qui officia deserunt
mollit anim id est laborum.",
    subtitle="A cool subtitle",
    text.color = "brown"
  )
)
```

```
#basic example with background image and texts
r2resize::elastiCard(
  item1 = c(
    bg = "https://r2resize.obi.obianom.com/m/image1.jpg",
    icon = "edit",
    title="Sample text 1",
    subtitle="A cool subtitle"),
  item2 = c(
    bg = "https://r2resize.obi.obianom.com/m/image2.jpg",
    title="Sample text 2",
    subtitle="A cool subtitle",
    text.color = "brown"
  )
)
```

empahsisCard

Create an Emphasis Card

Description

Emphasis container

Usage

```
empahsisCard(..., bg.color = NULL)
```

Arguments

... content of the card
bg.color content background color

Value

container with a moving border to denote emphasis

More examples for r2resize

More examples and demo pages are located at this link - <https://r2resize.obi.obianom.com>.

Examples

```
#make a simple emphasis card  
#add as much content as need  
r2resize::empahsisCard(  
  "sample rpkg.net 1",  
  "sample rpkg.net 2 "  
)
```

```
#specify the color of the background  
r2resize::empahsisCard(  
  "sample rpkg.net 1",  
  "sample rpkg.net 2 ",  
  bg.color = "brown"  
)
```

emphasisCard *Create an Emphasis Card*

Description

Emphasis container

Usage

```
emphasisCard(..., bg.color = NULL)
```

Arguments

... content of the card
bg.color content background color

Value

container with a moving border to denote emphasis

More examples for r2resize

More examples and demo pages are located at this link - <https://r2resize.obi.obianom.com>.

Examples

```
#make a simple emphasis card
#add as much content as need
r2resize::empahsisCard(
  "sample rpkg.net 1",
  "sample rpkg.net 2 "
)
```

```
#specify the color of the background
r2resize::empahsisCard(
  "sample rpkg.net 1",
  "sample rpkg.net 2 ",
  bg.color = "brown"
)
```

flexCard

Flexible card container

Description

Expandable flexible card holder for images or navigation items

Usage

```
flexCard(
  ...,
  height.px = NULL,
  width.px = NULL,
  border.color = "white",
  border.width.px = 1,
  active.panel = 1
)
```

Arguments

...	list of image containers, see example below
height.px	height of container as numeric
width.px	width of container as numeric
border.color	color of border of each container
border.width.px	width of the container border
active.panel	the active panel or container e.g. 1. Use 0 to make all panels inactive

Value

Multiple cards with flex functionality

Examples for r2resize

More examples and demo pages are located at this link - <https://rpkg.net/package/r2resize>.

Examples

```
r2resize::flexCard(  
  item1 = c(  
    bg = "https://r2resize.obi.obianom.com/m/image1.jpg",  
    icon = "edit",  
    title="Sample text 1",  
    subtitle="A cool subtitle"),  
  item2 = c(  
    bg = "https://r2resize.obi.obianom.com/m/image2.jpg",  
    icon = "edit",  
    title="Sample text 2",  
    subtitle="A cool subtitle",  
    icon.color = "blue",  
    text.color = "brown"  
  )  
)
```

shinyExpandImage

Elegant viewer functionality for images

Description

Elegant image viewer and resizer for images

Usage

```
shinyExpandImage(imageid = c())
```

Arguments

imageid one or more IDs of a div containing images

Value

Feature that allows images to be easily expanded and viewed

Use case

Use in a shiny application for image(s) that you'd like to carry a viewer feature on click.

When the image is clicked, it is expanded and toolbars appear to allow the user to zoom in or out, as well as download the image.

if there are multiple images within the imageid holder, then they are automatically ordered at the bottom for ease of transition.

Examples

```
# simple expansion for 2 images in a shiny app
if (interactive()) {
  shiny::shinyApp(
    ui = shiny::fluidPage(
      shinyExpandImage(c("ccgal1")),
      htmltools::tags$div(
        id = "ccgal1",
        htmltools::tags$a(
          href = "https://r2resize.obi.obianom.com/m/1b.jpg",
          htmltools::tags$img(
            src = "https://r2resize.obi.obianom.com/m/1b.jpg",
            alt="sample text for image 1")
          ),
        htmltools::tags$a(
          href = "https://r2resize.obi.obianom.com/m/1.jpg",
          htmltools::tags$img(
            src = "https://r2resize.obi.obianom.com/m/1.jpg",
            alt="sample text for image 2")
          )
      )
    ),
    server = (function(input, output) {})
  )
}
```

sizeableCard

Resizable container content holder

Description

Highly customizable and resizable container content holder

Usage

```
sizeableCard(..., bg.color = NULL, border.color = NULL)
```

Arguments

... content of container
bg.color content background color e.g red, black or #333333
border.color border color of container e.g. red or #f5f5f5

Value

Container with a resizing toolbar feature on the right

Examples for r2resize

More examples and demo pages are located at this link - <https://rpkg.net/package/r2resize>.

Examples

```
#simple sizeable card attribute
r2resize::sizeableCard(
  "sample rpkg.net text"
)

#specify the background color for the card
r2resize::sizeableCard(
  "sample r2resume text",
  bg.color = "lightgray"
)

#specify the border color additionally
r2resize::sizeableCard(
  "sample r2resume text",
  bg.color = "lightgray",
  border.color="black"
)
```

splitCard

Resizable split screen container

Description

Highly customizable and resizable split screen container

Usage

```
splitCard(
  left,
  right,
  splitter.color = NULL,
  bg.left.color = NULL,
  left.bg.url = NULL,
  right.bg.url = NULL,
  bg.right.color = NULL,
  border.color = NULL,
  position = c("vertical", "horizontal"),
  text.left.color = "black",
  text.right.color = "black"
)
```

Arguments

left	content on the left or top
right	content on the right or bottom
splitter.color	splitter color e.g red, black or #333333
bg.left.color	left panel color e.g red, black or #333333
left.bg.url	left panel background image e.g image1.png or https://..image1.png
right.bg.url	right panel background image e.g image1.png or https://..image1.png
bg.right.color	right panel color e.g red, black or #333333
border.color	border color of the container e.g. red or #f5f5f5
position	position of divider or splitter
text.left.color	color of left panel text
text.right.color	color of right panel text

Value

Resizable split screen container

Examples for r2resize

More examples and demo pages are located at this link - <https://rpkg.net/package/r2resize>.

Examples

```
#basic attributes
r2resize::splitCard(
  "Sample text",
  "Sample text 2"
)
```

```
#specify background color for each side
r2resize::splitCard(
  "Sample r2symbols 1",
  "Sample nextGen 1",
  bg.right.color = "white",
  bg.left.color = "lightgray",
  position = "vertical"
)

#add the split card attribute on vertical
r2resize::splitCard(
  "Sample shinyStorePlus",
  "Sample nextGen 1",
  bg.right.color = "white",
  bg.left.color = "lightgray",
  border.color = "black",
  text.left.color = "black",
  text.right.color = "black",
  position = "vertical"
)

# specify split card on the horizontal position
r2resize::splitCard(
  "Sample sciRmdTheme 1",
  "Sample nextGen 1",
  bg.right.color = "white",
  bg.left.color = "lightgray",
  border.color = "gray",
  text.left.color = "black",
  text.right.color = "black",
  position = "horizontal"
)
```

splitCard2

Re sizable split screen container version 2

Description

Highly customizable and re sizable split screen container version 2

Usage

```
splitCard2(
  left,
  right,
  bg.left.color = NULL,
  bg.right.color = NULL,
```

```

border.color = NULL,
text.left.color = "black",
text.right.color = "black",
slider.position = charNum1to100
)

```

Arguments

```

left          content on the left or top
right         content on the right or bottom
bg.left.color left panel color e.g red, black or #333333
bg.right.color right panel color e.g red, black or #333333
border.color  border color of the container e.g. red or #f5f5f5
text.left.color
              color of left panel text
text.right.color
              color of right panel text
slider.position
              position of the slider in percent

```

Value

Realizable split screen container style 2

Examples for r2resize

More examples and demo pages are located at this link - <https://rpkg.net/package/r2resize>.

Examples

```

#Use the default split card 2 function
#add a question on one side, and answer on the other
r2resize::splitCard2(
  shiny::tags$h1("Question 1"),
  shiny::tags$h1("Answer 1"),
  slider.position = "40"
)

#specify the background color for the sides
r2resize::splitCard2(
  "Sample r2symbols 1",
  "Sample nextGen 1",
  bg.right.color = "white",
  bg.left.color = "lightgray"
)

#alter the border color
#specify the text color for each side

```

```

r2resize::splitCard2(
  "Sample shinyStorePlus",
  "Sample nextGen 1",
  bg.right.color = "white",
  bg.left.color = "lightgray",
  border.color = "black",
  text.left.color = "black",
  text.right.color = "black"
)

##change the text color from one side to the other
r2resize::splitCard2(
  "Sample sciRmdTheme 1",
  "Sample nextGen 1",
  bg.right.color = "white",
  bg.left.color = "lightgray",
  border.color = "gray",
  text.left.color = "red",
  text.right.color = "blue"
)

```

windowCard

Resizable Moveable Expandable Window Card

Description

Easily expandable and resizable content container holder

Usage

```

windowCard(
  ...,
  title = "Sample title",
  width = "50%",
  bg.color = NULL,
  border.color = NULL,
  header.text.color = NULL,
  body.text.color = NULL
)

```

Arguments

...	content of the container
title	title of the header
width	width of the container
bg.color	background color of the content area
border.color	color of the container border

```
header.text.color
                color of the header text
body.text.color
                color of the content text
```

Value

A window-like card container that is expandable and resizable

Examples for r2resize

More examples and demo pages are located at this link - <https://rpkg.net/package/r2resize>.

Note

Please note that only one windowCard may be created by page

Examples

```
#simple window card with default attributes
#shows up centered on the screen
r2resize::windowCard("sample r2symbols text")
```

```
#specify the width of the window card
#specify the title
#specify the header color
#speciy other features
r2resize::windowCard(
  title = "Sample Window card",
  width = "500px",
  bg.color = "white",
  border.color = "brown",
  header.text.color = "white",
  body.text.color = "black")
```


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