

# Package ‘card.pro’

December 17, 2024

**Type** Package

**Title** Lightweight Modern & Responsive Card Component for 'shiny'

**Version** 2.2.1

**Maintainer** Obinna Obianom <idonshayo@gmail.com>

**Description** Responsive and modern 'HTML' card essentials for 'shiny' applications and dashboards. This novel card component in 'Bootstrap' provides a flexible and extensible content container with multiple variants and options for building robust 'R' based apps e.g for graph build or machine learning projects. The features rely on a combination of 'jQuery' <<https://jquery.com>> and 'CSS' styles to improve the card functionality.

**License** MIT + file LICENSE

**URL** <https://cardpro.rpkg.net>

**BugReports** <https://github.com/oobianom/card.pro/issues>

**Depends** R (> 3.6)

**Imports** shiny, quickcode, htmltools

**Suggests** rmarkdown, knitr, qpdf, testthat

**Encoding** UTF-8

**VignetteBuilder** knitr

**Language** en-US

**LazyData** false

**RoxygenNote** 7.2.3

**Config/testthat/edition** 3

**NeedsCompilation** no

**Author** Obinna Obianom [aut, cre]

**Repository** CRAN

**Date/Publication** 2024-12-17 08:40:02 UTC

## Contents

add.JQuery	2
altPanel	3
card.pro	4
empty.server	7
moveable	8
nav	8
primePanel	9
row	10
tabEntry	10
template.loc	11
titlePanel2	11
use.cardpro	12
wrapper	13
<b>Index</b>	<b>15</b>

---

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

---

### 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("3.7.0") # add a specific version
```

---

altPanel	<i>New sidebar panel to display content</i>
----------	---

---

**Description**

Customizable sidebar panel for inclusion of various UI elements

**Usage**

```
altPanel(..., width = 4, border = FALSE, shadow = FALSE)
```

**Arguments**

...	List of content
width	Width of the sidebar panel
border	Should border be declared for the panel
shadow	Should a shadow be added to the panel

**Value**

Creates an alternate container for displaying contents

**Note**

For more information on the features of the sidebar panel, look through the Github examples

**Examples**

```
altPanel("content 2")
```

---

 card.pro

*Generate a flexible and extensible card container*


---

## Description

Widely used card component from Bootstrap with improvements to improve utility

## Usage

```
card.pro(
  ...,
  title,
  collapsed = FALSE,
  width = 12,
  tabs = NULL,
  icon = NULL,
  xtra.header.content = NULL,
  footer = NULL,
  togglebtn = TRUE,
  editbtn = TRUE,
  expandbtn = TRUE,
  colorbtn = TRUE,
  removebtn = TRUE,
  sortable = TRUE,
  sidebar = NULL,
  shadow = TRUE,
  header.bg = c("white", "green", "greenDark", "greenLight", "purple", "magenta", "pink",
    "pinkDark", "blueLight", "teal", "blue", "blueDark", "darken", "yellow", "orange",
    "orangeDark", "red", "redLight"),
  alert.text = NULL,
  alert.type = c("warning", "info", "success", "danger")
)
```

## Arguments

...	The elements to include within the body of the card
title	The text to display in the header title
collapsed	If TRUE, the card is collapsed. The default is FALSE
width	Select a width from 1 to 12 to indicate the size of the card
tabs	optional. A list containing tabs items, see example
icon	Header icon e.g. shiny::icon('fire')
xtra.header.content	additional header content e.g. "Hi"
footer	Footer content if any
togglebtn	show toggle button

editbtn	show header title edit button
expandbtn	show card expand button
colorbtn	show header color chooser
removebtn	show card closer button
sortable	If FALSE, the card will not be draggable
sidebar	optional. include side bar content
shadow	logical. add shadow to the card exterior
header.bg	Header background color style
alert.text	Enter text for the alert portion. Leave as NULL to exclude the alert
alert.type	Indicate the type of alert to include, choices are "warning", "info", "success", "danger"

**Value**

HTML code of the container with a class called card.pro that holds the items

**Note**

For more information on the features of the card, visit the examples section of the help documentation

**Examples**

```
# Example 1
if (interactive()) {
  library(shiny)
  library(card.pro)

  shiny::shinyApp(
    ui = fluidPage(
      titlePanel("Change customizations.
Its preserved across refresh!"),
      moveable(
        card.pro(
          "Lorem ipsum odor amet.",
          title = "Box 1",
          icon = icon("fire"),
          tabs = list(
            tabEntry(
              "Tab 1",
              textInput("nor1", "Enter name"),
              "Content for 1"
            ),
            tabEntry(
              "Tab 2",
              actionButton("nor1", "Try click"),
              "sample"
            )
          )
        )
      )
    )
  )
}
```

```

    ),
    card.pro(
      "Another something",
      title = "Box 2",
      width = 6,
      header.bg = "blue",
      alert.text = "Its an alert!",
      colorbtn = FALSE,
      editbtn = FALSE
    )
  )
),
server = empty.server
)
}

# Example 2
if (interactive()) {
  library(shiny)
  library(card.pro)

  shiny::shinyApp(
    ui = fluidPage(
      titlePanel("Change order and refresh, changes saved"),
      wrapper(
        moveable(
          card.pro(
            "A plot for test",
            textInput("test6", "Plot title"),
            actionButton("test9", "Make plot"),
            title = "Box 3",
            width = 6,
            header.bg = "red",
            collapsed = TRUE,
            sortable = FALSE
          ),
          card.pro(
            "Box 4 content",
            "shinyappstore.com",
            title = "Box 1",
            width = 8,
            header.bg = "red",
            sidebar = div(
              "My settings",
              textInput("test2", "Input change"),
              actionButton("test3", "Click to save")
            ),
            footer = list(
              "Footnote: example",
              actionButton("test19", "Upload something")
            )
          )
        )
      )
    )
  )
}

```

```
    )  
  ),  
  server = empty.server  
)  
}
```

---

empty.server

*Empty server function*

---

### Description

For use in simple shiny apps not requiring server functions

### Usage

```
empty.server(input, output, session)
```

### Arguments

input	the input object
output	the output object
session	the session object

### Value

Empty server function

### Examples

```
if(interactive()){  
  library(shiny)  
  library(card.pro)  
  ui = fluidPage("Obi Obianom")  
  shinyApp(ui = ui, server = empty.server)  
}
```

---

moveable	<i>Generate a moveable grid</i>
----------	---------------------------------

---

**Description**

A grid that holds draggable items

**Usage**

```
moveable(...)
```

**Arguments**

...           The elements to include within the body of the moveable grid

**Value**

HTML code of a container that allows items within it to be draggable

**Note**

For more information on the features of a sortable grid, visit the examples section of the help documentation

**Examples**

```
moveable(
  htmltools::tags$div("A"),
  htmltools::tags$div("B")
)
```

---

nav	<i>Nav tag</i>
-----	----------------

---

**Description**

A nav tag for creating HTML navigations

**Usage**

```
nav(class, id = NULL, role = NULL, ...)
```

**Arguments**

class	The class of the navigation container
id	The identification of the navigation container
role	The character role of the container on the page
...	The content of the container



**Value**

HTML content of a container with type nav

**Examples**

```
nav('sample','id1','sample','some content')
```

---

primePanel	<i>Main panel to display content</i>
------------	--------------------------------------

---

**Description**

Customizable main panel for inclusion of various UI elements

**Usage**

```
primePanel(..., width = 8, border = FALSE, shadow = FALSE)
```

**Arguments**

...	List of content
width	Width of the main panel
border	Should border be declared for the panel
shadow	Should a shadow be added to the panel

**Value**

Creates a container for displaying contents

**Note**

For more information on the features of the main panel, look through the Github examples

**Examples**

```
primePanel("content 1")
```

---

row	<i>Generate a row div</i>
-----	---------------------------

---

**Description**

A simple row div

**Usage**

```
row(...)
```

**Arguments**

...           The elements to include within the body of the row

**Value**

An HTML containing elements of a container with class row to be embedded in a page

**Examples**

```
row(shiny::div(width=12,"Hello nextGenShinyApps"))
```

---

tabEntry	<i>Create a tab panel item</i>
----------	--------------------------------

---

**Description**

Create a tab panel item that is enclosed by a list

**Usage**

```
tabEntry(title, ...)
```

**Arguments**

title           title of the tab  
...           content of the tab

**Value**

An list containing the title and content of a tab

**Examples**

```
if (interactive()) {  
  tabEntry("Summary", "Convallis aesus.")  
  tabEntry("Summary", "nextGenShinyApps.")  
}
```

---

`template.loc`*Template location full text*

---

**Description**

Fetch the location of the scripts

**Usage**

```
template.loc(template = "bundle")
```

**Arguments**

`template`      The type of template to fetch

**Value**

A path for the location of the package

**Examples**

```
template.loc('bundle')
```

---

`titlePanel2`*Create a title and footer bar*

---

**Description**

Create an alternative title bar

## Usage

```
titlePanel2(  
  title,  
  rightContent = NULL,  
  windowTitle = title,  
  text.col = "#2a2725",  
  bg.col = "#ffffff"  
)  
  
footerPanel(  
  title = shiny::HTML("&copy; 2024"),  
  rightContent = NULL,  
  bg.col = "#2a2725",  
  text.col = "#f5f5f5"  
)
```

## Arguments

title	title of the tab
rightContent	content of the right
windowTitle	window title
text.col	text color
bg.col	background color

## Value

An list containing the title and content of a header or footer

## Examples

```
if (interactive()) {  
  titlePanel2("Main title", "Right content | About me")  
  titlePanel2("Main title", action)  
}  
  
if (interactive()) {  
  footerPanel("Main footer @ 2024. All rights reserved", "Contact us")  
}
```

---

use.cardpro

*Include stylesheets and scripts*

---

## Description

Use the package scripts and stylesheets in a page

**Usage**

```
use.cardpro(
  theme = letters[1:5],
  jquery = FALSE,
  jqueryui = TRUE,
  fontawesome = FALSE,
  template = "bundle",
  fix.header = FALSE
)
```

**Arguments**

theme	The template type
jquery	option. logical. include jquery
jqueryui	option. logical. include jquery UI
fontawesome	option. logical. include fontawesome
template	template folder
fix.header	logical. fix header if titlePanel2() is used in UI

**Value**

A list of files to be inserted in the header of a page

**Note**

Theme options are "a", "b", "c", "d" or "e"

**Examples**

```
if(interactive()){
  use.cardpro()
  use.cardpro(theme="a",jqueryui = TRUE, fontawesome = FALSE)
}
```

---

 wrapper

*A wrapper for panels*


---

**Description**

Create a wrapper div for pannels

**Usage**

```
wrapper(
  ...,
  bg = c("default", "primary", "secondary", "warning", "info", "danger", "success")
)
```

**Arguments**

...            div contents  
bg             background color of the wrapper

**Value**

a container for other containers

**Examples**

```
wrapper(altPanel("hello"), shiny::mainPanel("test"))  
wrapper(shiny::mainPanel("hello"), shiny::column(width = 2, "test"))
```

# Index

`add.JQuery`, [2](#)

`altPanel`, [3](#)

`card.pro`, [4](#)

`empty.server`, [7](#)

`footerPanel (titlePanel2)`, [11](#)

`moveable`, [8](#)

`nav`, [8](#)

`primePanel`, [9](#)

`row`, [10](#)

`tabEntry`, [10](#)

`template.loc`, [11](#)

`titlePanel2`, [11](#)

`use.cardpro`, [12](#)

`wrapper`, [13](#)