Package 'bsTools'

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Type Package

Title Create HTML Content with Bootstrap 5 Classes and Layouts

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Author Timothy Conwell

Maintainer Timothy Conwell <timconwell@gmail.com>

Description Functions are pre-configured to utilize Bootstrap 5 classes and
HTML structures to create Bootstrap-styled HTML quickly and easily. Includes
functions for creating common Bootstrap elements such as containers, rows, cols,
navbars, etc. Intended to be used with the html5 package. Learn more at
<https://getbootstrap.com/>.

License GPL (>= 2)

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Imports toolbox

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R topics documented:

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bs_accordion *Create a Bootstrap accordion*

Description

Learn more at <https://getbootstrap.com/docs/5.1/components/accordion/>.

Usage

```
bs_accordion(
  id,
  items = list(),
  expand = c(),
  button_background_color = NULL,
  button_text_color = NULL,
  accordion_attr = list(class = "accordion"),
  item_attr = list(class = "accordion-item"),
  item_header_attr = list(class = "accordion-header"),
  button_attr = list(class = "accordion-button collapsed"),
  div_attr = list(class = "accordion-collapse collapse"),
  body_attr = list(class = "accordion-body")
)
```

Arguments

id	A string, the id to use for the accordion, must be unique within a page (if you have multiple accordions on a page).
items	A named list, names become the label for each panel, values should be the HTML content to display when the panel is toggled.
expand	A vector, the names or positions of panels that should be expanded by default.
button_background_color	A string vector, the color to apply to the background of the accordion toggle button. Recycles for each panel.
button_text_color	A string vector, the color to apply to the text of the accordion toggle button. Recycles for each panel.
accordion_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the div wrapping the accordion content.
item_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the div wrapping the accordion items.
item_header_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the accordion panel headers.
button_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the accordion panel header button items.

div_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the div wrapping the accordion panel content.
body_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the div wrapping the accordion panel content body.

Value

A string of HTML.

Examples

```
bs_accordion(
id = "acc1",
items = list(
  "One" = p("Check it out."),
  "Two" = p("Does it work?"),
  "Three" = p("I hope so.")
)
)
```

---

bs_alert   *Create a Bootstrap alert*

Description

Learn more at <https://getbootstrap.com/docs/5.1/components/alerts/>.

Usage

```
bs_alert(x, div_attr = c(class = "alert alert-primary"))
```

Arguments

x	A string, the HTML or text to display in the alert.
div_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the div containing the alert.

Value

A string of HTML.

Examples

```
bs_alert(
"Hello"
)
```

---

bs_badge   *Create a Bootstrap badge*

Description

Learn more at <https://getbootstrap.com/docs/5.1/components/badge/>.

Usage

```
bs_badge(x, span_attr = c(class = "badge bg-secondary"))
```

Arguments

x	A string, the text to display in the badge (uses the <span> tag).
span_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the span containing the badge text.

Value

A string of HTML.

Examples

```
bs_badge(
"Hello"
)
```

---

bs_black   *Hex code for bootstrap black color*

Description

"#000"

Usage

```
bs_black
```

Format

A string

| bs_blue | *Hex code for bootstrap blue color* |

Description

"#0d6efd"

Usage

```
bs_blue
```

Format

A string

| bs_breadcrumb | *Create a Bootstrap breadcrumb* |

Description

Create a Bootstrap breadcrumb

Usage

```
bs_breadcrumb(
  items = list(),
  active = NULL,
  nav_attr = c(`aria-label` = "breadcrumb"),
  ul_attr = c(class = "breadcrumb"),
  li_attr = c(class = "breadcrumb-item"),
  a_attr = NULL
)
```

Arguments

items   A list, creates nav elements. If a list item is named, names should be links and
            values should be text to display in the nav for that link. Names will be passed to
            the href attribute and values to the main content of the html5::a function which
            will be wrapped by the html5::li function, each of which have Bootstrap classes
            added by default. If an item in the list is not named, the item must be valid
            HTML with appropriate Bootstrap classes added manually. For example, to add
            a drop-down, add an unnamed item to the list with HTML defining the drop-
            down as the value of the item.

active   A integer, the position in items to make active.

nav_attr	A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::nav.
ul_attr	A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::ul.
li_attr	A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::li.
a_attr	A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::a.

Value

A string of HTML.

Examples

```
bs_breadcrumb(
items = list(
  "#" = "Option 1",
  "#" = "Option 2",
  "#" = "Option 3"
),
active = 2
)
```

---

bs_card   *Create a Bootstrap card*

Description

Learn more at https://getbootstrap.com/docs/5.1/components/card/.

Usage

```
bs_card(
  header = NULL,
  title = NULL,
  text = NULL,
  body,
  footer = NULL,
  img_src = NULL,
  img_alt = NULL,
  div_attr = c(class = "card"),
  header_attr = c(class = "card-header"),
  title_attr = c(class = "card-title"),
  text_attr = c(class = "card-text"),
  body_attr = c(class = "card-body"),
  footer_attr = c(class = "card-footer"),
```

```
    img_attr = c(class = "card-img-top"),
    header_func = h5,
    title_func = h5,
    text_func = h5
)
```

Arguments

header	A string, the HTML to display in the header of the card.
title	A string, the HTML to display in the title of the card.
text	A string, the HTML to display in the text of the card.
body	A string, the HTML to display in the body of the card.
footer	A string, the HTML to display in the footer of the card.
img_src	A string, the path of an image to display with the card. Passed to "src" attribute of the <img> tag.
img_alt	A string, the alt attribute of an image to display with the card. Passed to "alt" attribute of the <img> tag.
div_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the div wrapping the card content.
header_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the card header.
title_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the card title.
text_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the card text.
body_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the div wrapping the card body.
footer_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the div wrapping the card footer.
img_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the img tag if an image is to be displayed.
header_func	A html5 function to use for the header input.
title_func	A html5 function to use for the title input.
text_func	A html5 function to use for the text input.

Value

A string of HTML.

Examples

```
bs_card(
body = "This is a card"
)
```

bs_carousel | *Create a Bootstrap carousel*

Description

Learn more at <https://getbootstrap.com/docs/5.1/components/carousel/>.

Usage

```
bs_carousel(
  id,
  items = list(),
  carousel_attr = c(class = "carousel slide"),
  inner_attr = c(class = "carousel-inner"),
  item_attr = c(class = "carousel-item"),
  controls = TRUE
)
```

Arguments

id	A string, the id to use for the carousel div.
items	A list, entries should be HTML to display in the carousel.
carousel_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the div wrapping the carousel content.
inner_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the div wrapping the carousel items.
item_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the div wrapping each carousel item.
controls	TRUE/FALSE, if TRUE, adds code to display arrows to click through the carousel.

Value

A string of HTML.

Examples

```
bs_carousel(
id = "c1",
items = list(
  h1("First slide"),
  h1("Second slide"),
  h1("Third Slide")
)
)
```

---

bs_clearfix   *Create a div with class "clearfix"*

Description

Learn more at <https://getbootstrap.com/docs/5.1/layout/columns/>.

Usage

```
bs_clearfix(..., clearfix_attr = c(class = "clearfix"))
```

Arguments

`...`	Valid string(s) of HTML.
`clearfix_attr`	A named list or named vector, names are attribute names and values are attribute values.

Value

A string of HTML.

Examples

```
bs_clearfix(
p("Test")
)
```

---

bs_col   *Create a Bootstrap col div*

Description

Learn more at <https://getbootstrap.com/docs/5.1/layout/columns/>.

Usage

```
bs_col(..., col_attr = c(class = "col"))
```

Arguments

`...`	A string or strings of HTML content to include in the col div.
`col_attr`	A named list or named vector, names are attribute names and values are attribute values.

Value

A string of HTML.

Examples

```
bs_col(p("Col 1"))
```

---

bs_collapse *Create a Bootstrap collapse*

Description

Learn more at https://getbootstrap.com/docs/5.1/components/collapse/.

Usage

```
bs_collapse(
  id,
  button_label,
  content,
  button_attr = c(class = "btn btn-primary"),
  content_attr = c(class = "collapse")
)
```

Arguments

id	A string, the id to use for the collapse div.
button_label	A string, the text to display in the button controlling the collapsible content.
content	A string, the HTML to display or collapse.
button_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the button controlling the collapse.
content_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the div wrapping the collapsible content.

Value

A string of HTML.

Examples

```
bs_collapse(
id = "collapse1",
button_label = "Click to Expand",
content = p("Hello")
)
```

---

bs_col_break   *Create a div with class "w-100" to force columns onto a new line*

Description

Learn more at https://getbootstrap.com/docs/5.1/layout/columns/.

Usage

```
bs_col_break(col_break_attr = c(class = "w-100"))
```

Arguments

col_break_attr A named list or named vector, names are attribute names and values are attribute
                values.

Value

A string of HTML.

Examples

```
bs_col_break()
```

---

bs_container   *Create a Bootstrap container div*

Description

Create a Bootstrap container div.

Usage

```
bs_container(..., container_attr = c(class = "container"))
```

Arguments

...   A string or strings of HTML content to include in the container div.

container_attr A named list or named vector, names are attribute names and values are attribute
                values.

Details

Learn more at https://getbootstrap.com/docs/5.1/layout/containers/.

Value

A string of HTML.

Examples

```
bs_container(
div()
)
```

---

bs_cyan   *Hex code for bootstrap cyan color*

Description

"#0dcaf0"

Usage

```
bs_cyan
```

Format

A string

---

bs_danger   *Hex code for bootstrap danger color*

Description

"#dc3545"

Usage

```
bs_danger
```

Format

A string

bs_dark	*Hex code for bootstrap dark color*

Description

"#212529"

Usage

```
bs_dark
```

Format

A string

bs_doc	*Create a HTML document preconfigured to load Bootstrap5 from the CDN*

Description

Learn more at <https://getbootstrap.com/docs/5.1/getting-started/introduction/>.

Usage

```
bs_doc(
  head = NULL,
  body,
  css_href = css_href_var,
  css_integrity = css_integrity_var,
  js_src = js_src_var,
  js_integrity = js_integrity_var
)
```

Arguments

head	A string of HTML that will be passed to the ... param of the html5::head() function.
body	A string of HTML that will be passed to the ... param of the html5::body() function.
css_href	The url of jsDelivr for the version of bootstrap css to include.
css_integrity	The integrity string for the version of bootstrap css to include.
js_src	The url of jsDelivr for the version of bootstrap js bundle to include.
js_integrity	The integrity string for the version of bootstrap js bundle to include.

Value

A string of HTML.

Examples

```
bs_doc(
body = div(h1("Hello"), p("Welcome to this page."))
)
```

---

bs_dropdown   *Create a Bootstrap dropdown*

Description

Learn more at https://getbootstrap.com/docs/5.1/components/dropdowns/.

Usage

```
bs_dropdown(
  id,
  items = list(),
  button_label = "Dropdown Button",
  dropdown_attr = c(class = "dropdown"),
  button_attr = c(class = "btn btn-secondary dropdown-toggle"),
  ul_attr = c(class = "dropdown-menu"),
  li_attr = NULL,
  a_attr = c(class = "dropdown-item")
)
```

Arguments

id	A string, the id to use for the dropdown, must be unique within a page (if you have multiple dropdowns on a page).
items	A named list, names become the href for each item, values should be the text to display for each href. If an item is unnamed, the value does not get passed to the li/a tags and is instead displayed as-is (useful for displaying custom HTML content in the dropdown).
button_label	A string, the label to use for the dropdown toggle button.
dropdown_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the div wrapping the dropdown elements.
button_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the button controlling the dropdown toggle.
ul_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the "ul" tag wrapping the dropdown nav elements.

li_attr   A named list or named vector, names are attribute names and values are attribute
                        values. Added to the "li" tags wrapping the dropdown nav elements if the input
                        list item is named.

a_attr   A named list or named vector, names are attribute names and values are attribute
                        values. Added to the "a" tags wrapping the dropdown nav elements if the input
                        list item is named.

Value

A string of HTML.

Examples

```
bs_dropdown(
id = "drop",
items = list(
  "#" = "Home",
  "#" = "About",
  "#" = "Other"
)
)
```

---

bs_figure   *Create HTML figure tag configured with Bootstrap classes*

Description

Learn more at <https://getbootstrap.com/docs/5.1/content/figures/>.

Usage

```
bs_figure(
  figure_attr = c(class = "figure"),
  img_attr = c(src = "...", alt = "...", class = "figure-img img-fluid"),
  figcaption_attr = c(class = "figure-caption"),
  figcaption = NULL
)
```

Arguments

figure_attr   A named list or named vector, names are attribute names and values are attribute
                        values. Passed to the attr parameter of html5::figure.

img_attr   A named list or named vector, names are attribute names and values are attribute
                        values. Passed to the attr parameter of html5::img.

figcaption_attr
                        A named list or named vector, names are attribute names and values are attribute
                        values. Passed to the attr parameter of html5::figcaption.

figcaption   A string, gets passed to html5::figcaption.

Value

A string of HTML.

Examples

```
bs_figure(
img_attr = c(
"src" = "...",
"alt" = "...",
"class" = "figure-img img-fluid"
)
)
```

---

bs_flexbox   *Create a Bootstrap flexbox*

Description

Learn more at https://getbootstrap.com/docs/5.1/utilities/flex/.

Usage

```
bs_flexbox(x, div_attr = c(class = "d-flex justify-content-center"))
```

Arguments

x	A string, the HTML or text to display in the div.
div_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the div containing x. Defaults to center the content of x.

Value

A string of HTML.

Examples

```
bs_flexbox(
p("Hello")
)
```

---

bs_green   *Hex code for bootstrap green color*

Description

"#198754"

Usage

bs_green

Format

A string

---

bs_img   *Create HTML img tag configured with Bootstrap classes*

Description

Learn more at <https://getbootstrap.com/docs/5.1/content/images/>.

Usage

bs_img(img_attr = c(src = "...", alt = "...", class = "img"), center = FALSE)

Arguments

img_attr   A named list or named vector, names are attribute names and values are attribute
                values. Passed to the attr parameter of html5::img.

center   TRUE/FALSE, if TRUE, wraps img tag in a div with class "text-center".

Value

A string of HTML.

Examples

bs_img(
img_attr = c(
"src" = "...",
"alt" = "...",
"class" = "img"
)
)

| bs_indigo | *Hex code for bootstrap indigo color* |

Description

"#6610f2"

Usage

bs_indigo

Format

A string

| bs_info | *Hex code for bootstrap info color* |

Description

"#0dcaf0"

Usage

bs_info

Format

A string

| bs_input | *Create a HTML input tag configured with Bootstrap classes* |

Description

Learn more at <https://getbootstrap.com/docs/5.1/forms/overview/>.

Usage

```
bs_input(
  id,
  type = "text",
  value = NULL,
  placeholder = NULL,
  label = NULL,
  text = NULL,
  required = FALSE,
  div_attr = NULL,
  input_attr = c(class = "form-control"),
  label_attr = c(class = "form-label"),
  text_attr = c(class = "form-text"),
  inline = FALSE
)
```

Arguments

id	A string, the id/name for the input, passed to the id and name attributes of the <input> tag.
type	A string, the type of input to create, passed to the type attribute of the <input> tag.
value	A string, the value of the input, passed to the value attribute of the <input> tag.
placeholder	A string, passed to the placeholder attribute of the <input> tag.
label	A string, passed to the <label> tag.
text	A string, text or HTML to display with the input and label tags.
required	TRUE/FALSE, if TRUE, will add the required attribute to the input tag.
div_attr	A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::div, wrapping the input, label, and text.
input_attr	A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::input, but id (also name), type, value, and placeholder have their own parameters.
label_attr	A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::label.
text_attr	A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::div, which will display the text parameter.
inline	TRUE/FALSE, if TRUE, adds a div and classes to display the label, input, and text in the same line.

Value

A string of HTML.

Examples

```
bs_input(
id = "example1",
label = "Example Text Input"
)
```

---

bs_light	*Hex code for bootstrap light color*

Description

"#f8f9fa"

Usage

```
bs_light
```

Format

A string

---

bs_modal	*Create a Bootstrap modal*

Description

Learn more at https://getbootstrap.com/docs/5.1/components/modal/.

Usage

```
bs_modal(
  id,
 header = button(attr = c(type = "button", class = "btn-close", `data-bs-dismiss` =
    "modal", `aria-label` = "Close")),
  title = h5("Note"),
  body,
  footer = button(attr = c(type = "button", class = "btn btn-secondary",
    `data-bs-dismiss` = "modal"), "Close"),
  modal_attr = c(class = "modal", tabindex = "-1"),
  dialog_attr = c(class = "modal-dialog"),
  content_attr = c(class = "modal-content"),
  header_attr = c(class = "modal-header"),
  title_attr = c(class = "modal-title"),
  body_attr = c(class = "modal-body"),
  footer_attr = c(class = "modal-footer")
)
```

Arguments

id	A string, an id for the modal (to launch the modal, reference this id in the data-bs-target attribute of the HTML element that will launch the modal. See example below).
header	A string, likely HTML, that goes in the header div after the title.
title	A string, likely HTML, displayed as the title of the modal.
body	A string, likely HTML, displayed as the body of the modal.
footer	A string, likely HTML, displayed at the bottom of the modal.
modal_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the the div wrapping the dialog.
dialog_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the the div wrapping the content wrapper.
content_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the the div wrapping the content (header, body, footer).
header_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the the div wrapping the header.
title_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the the div wrapping the title.
body_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the div wrapping the body.
footer_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the div wrapping the footer.

Value

A string of HTML.

Examples

```
div(
button(
attr = c(
"type" = "button",
"class" = "btn btn-primary",
"data-bs-toggle" = "modal",
"data-bs-target" = "#modal1"
),
"Launch Modal"
),
bs_modal(
  id = "modal1",
  body = p("Here is the modal.")
)
)
```

---

bs_nav   *Create a Bootstrap nav*

Description

Learn more at <https://getbootstrap.com/docs/5.1/components/navs-tabs/>.

Usage

```
bs_nav(
  items = list(),
  vertical = FALSE,
  nav_attr = c(class = "nav"),
  ul_attr = c(class = "nav"),
  li_attr = c(class = "nav-item"),
  a_attr = c(class = "nav-link")
)
```

Arguments

items
: A list, creates nav elements. If a list item is named, names should be links and values should be text to display in the nav for that link. Names will be passed to the href attribute and values to the main content of the html5::a function which will be wrapped by the html5::li function, each of which have Bootstrap classes added by default. If an item in the list is not named, the item must be valid HTML with appropriate Bootstrap classes added manually. For example, to add a drop-down, add an unnamed item to the list with HTML defining the drop-down as the value of the item.

vertical
: TRUE/FALSE, if TRUE, makes the nav vertical.

nav_attr
: A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::nav.

ul_attr
: A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::ul.

li_attr
: A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::li.

a_attr
: A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::a.

Value

A string of HTML.

Examples

```
bs_nav(
items = list(
  "#" = "Option 1",
  "#" = "Option 2",
  "#" = "Option 3"
)
)
```

---

bs_navbar	*Create a Bootstrap navbar*

Description

Learn more at <https://getbootstrap.com/docs/5.1/components/navbar/>.

Usage

```
bs_navbar(
  id = toolbox::sampleStr(12, sample_chars = c(letters, LETTERS)),
  brand = list(),
  from_left = list(),
  from_right = list(),
  nav_attr = c(class = "navbar bg-primary navbar-dark navbar-expand-lg"),
  container_attr = c(class = "container-fluid"),
  div_attr = c(),
  brand_attr = c(class = "navbar-brand"),
  from_left_ul_attr = c(class = "navbar-nav me-auto"),
  from_right_ul_attr = c(class = "navbar-nav"),
  li_attr = c(class = "nav-item"),
  a_attr = c(class = "nav-link")
)
```

Arguments

id	A string, used to control the collapse/expand functionality. Defaults to a random string.
brand	A named list of length 1, name should be a value suitable for the href attribute of html5::a and the value is the HTML or text to display in the a tag.
from_left	A list, creates navbar elements arranged to the left. If a list item is named, names should be links and values should be text to display in the navbar for that link. Names will be passed to the href attribute and values to the main content of the html5::a function which will be wrapped by the html5::li function, each of which have Bootstrap classes added by default. If an item in the list is not named, the item must be valid HTML with appropriate Bootstrap classes added manually. For example, to add a drop-down, add an unnamed item to the list with HTML defining the drop-down as the value of the item.

from_right   A list, creates navbar elements arranged to the right. If a list item is named, names should be links and values should be text to display in the navbar for that link. Names will be passed to the href attribute and values to the main content of the html5::a function which will be wrapped by the html5::li function, each of which have Bootstrap classes added by default. If an item in the list is not named, the item must be valid HTML with appropriate Bootstrap classes added manually. For example, to add a drop-down, add an unnamed item to the list with HTML defining the drop-down as the value of the item.

nav_attr   A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::nav.

container_attr   A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::div to be used as a container.

div_attr   A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::div wrapping the brand and left and right content.

brand_attr   A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::a containing the brand href and text.

from_left_ul_attr
                    A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::ul.

from_right_ul_attr
                    A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::ul.

li_attr   A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::li.

a_attr   A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::a.

Value

A string of HTML.

Examples

```
bs_navbar(
brand = list("#" = "Sample Brand"),
from_left = list(
  "/" = "Home",
  "/about" = "About"
),
from_right = list(
  "/options" = "Options"
)
)
```

bs_offcanvas   *Create a Bootstrap offcanvas*

Description

Create a Bootstrap offcanvas

Usage

```
bs_offcanvas(
  id = "offcanvas",
  header,
  title = NULL,
  body,
  offcanvas_attr = c(class = "offcanvas offcanvas-start", tabindex = "-1",
    `aria-labelledby` = "offcanvasLabel"),
  header_attr = c(class = "offcanvas-header"),
  title_attr = c(class = "offcanvas-title", id = "offcanvasLabel"),
  body_attr = c(class = "offcanvas-body"),
  title_function = h5
)
```

Arguments

id	A string, the id for the div of the offcanvas.
header	A string, the HTML to display in the header of the offcanvas.
title	A string, the HTML to display in the title of the offcanvas.
body	A string, the HTML to display in the body of the offcanvas.
offcanvas_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the div wrapping the offcanvas content.
header_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the div wrapping the offcanvas header.
title_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the tag containing the offcanvas title.
body_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the div wrapping the offcanvas body.
title_function	A function, most likely from the html5 package, containing the attr parameter to be used to generate the title, defaults to h5.

Value

A string of HTML.

Examples

```
bs_offcanvas(
header = "Hello",
body = p("This is a offcanvas.")
)
```

---

bs_orange   *Hex code for bootstrap orange color*

Description

"#fd7e14"

Usage

bs_orange

Format

A string

---

bs_pagination   *Create a Bootstrap pagination nav*

Description

Learn more at https://getbootstrap.com/docs/5.1/components/pagination/.

Usage

```
bs_pagination(
  items = list(),
  ul_attr = c(class = "pagination"),
  li_attr = c(class = "page-item"),
  a_attr = c(class = "page-link")
)
```

Arguments

items   A list, creates nav elements. If a list item is named, names should be links and
                 values should be text to display in the pagination bar for that link. Names will
                 be passed to the href attribute and values to the main content of the html5::a
                 function which will be wrapped by the html5::li function, each of which have
                 Bootstrap classes added by default. If an item in the list is not named, the item
                 must be valid HTML with appropriate Bootstrap classes added manually.

ul_attr	A named list or named vector, names are attribute names and values are attribute values. Used for the "ul" tag wrapping the nav elements.
li_attr	A named list or named vector, names are attribute names and values are attribute values. Used for the "li" tags wrapping the nav elements if the input list item is named.
a_attr	A named list or named vector, names are attribute names and values are attribute values. Used for the "a" tags wrapping the nav elements if the input list item is named.

Value

A string of HTML.

Examples

```
bs_pagination(
items = list(
  "#" = "Previous",
  "#" = "1",
  "#" = "2",
  "#" = "3",
  "#" = "Next"
)
)
```

---

bs_pink   *Hex code for bootstrap pink color*

Description

"#d63384"

Usage

```
bs_pink
```

Format

A string

| bs_primary | *Hex code for bootstrap primary color* |

Description

"#0d6efd"

Usage

bs_primary

Format

A string

| bs_purple | *Hex code for bootstrap purple color* |

Description

"#6f42c1"

Usage

bs_purple

Format

A string

| bs_red | *Hex code for bootstrap red color* |

Description

"#dc3545"

Usage

bs_red

Format

A string

---

bs_row   *Create a Bootstrap row div*

Description

Learn more at <https://getbootstrap.com/docs/5.1/layout/grid/>.

Usage

```
bs_row(..., row_attr = c(class = "row"))
```

Arguments

`...`	A string or strings of HTML content to include in the row div.
`row_attr`	A named list or named vector, names are attribute names and values are attribute values.

Value

A string of HTML.

Examples

```
bs_row(
bs_col(p("Col 1")),
bs_col(p("Col 2"))
)
```

---

bs_secondary   *Hex code for bootstrap secondary color*

Description

"#6c757d"

Usage

```
bs_secondary
```

Format

A string

---

bs_select	*Create a HTML select tag configured with Bootstrap classes*

Description

Learn more at <https://getbootstrap.com/docs/5.1/forms/overview/>.

Usage

```
bs_select(
  ...,
  id,
  label = NULL,
  text = NULL,
  multiple = FALSE,
  required = FALSE,
  div_attr = NULL,
  select_attr = c(class = "form-select"),
  label_attr = c(class = "form-label"),
  text_attr = c(class = "form-text")
)
```

Arguments

...	A string or strings of HTML to pass to html5::select(), most likely a sequence of option tags.
id	A string, the id/name for the select, passed to the id and name attributes of the \<select\> tag.
label	A string, the label to use for the select, passed to html5::label().
text	A string, text or HTML to display with the select and label tags.
multiple	TRUE/FALSE, if TRUE, adds the "multiple" attribute to the select tag.
required	TRUE/FALSE, if TRUE, will add the required attribute to the select tag.
div_attr	A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::div, wrapping the select, label, and text.
select_attr	A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::select.
label_attr	A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::label.
text_attr	A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::div, which will display the text parameter.

Value

A string of HTML.

Examples

```
bs_select(
option(attr = c(value = 1), "Option One"),
option(attr = c(value = 2), "Option Two"),
id = "example1",
label = "Example Select Input"
)
```

---

bs_spinner   *Create a Bootstrap spinner*

Description

Learn more at <https://getbootstrap.com/docs/5.1/components/spinners/>.

Usage

```
bs_spinner(div_attr = c(class = "spinner-border text-primary"))
```

Arguments

div_attr   A named list or named vector, names are attribute names and values are attribute
                  values. Added to the div displaying the spinner.

Value

A string of HTML.

Examples

```
bs_spinner()
```

---

bs_success   *Hex code for bootstrap success color*

Description

"#198754"

Usage

bs_success

Format

A string

---

bs_table   *Create a HTML table configured with Bootstrap classes*

Description

Learn more at <https://getbootstrap.com/docs/5.1/content/tables/>.

Usage

```
bs_table(
  x,
  id,
  headers = NULL,
  table_attr = list(class = "table"),
  thead_attr = NULL,
  tbody_attr = NULL,
  tr_attr = NULL,
  th_attr = list(scope = "col"),
  td_attr = NULL,
  wrapper_attr = NULL
)
```

Arguments

x	A data frame or list with entries of equal length.
id,	A string, the id for the table.
headers	A vector of names to use as table headers instead of the list names (or 1, 2, 3, etc. if list is not named).
table_attr	A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::table.

thead_attr	A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::thead.
tbody_attr	A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::tbody.
tr_attr	A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::tr.
th_attr	A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::th.
td_attr	A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::td.
wrapper_attr	A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::div wrapping html5::table.

Value

A string of HTML.

Examples

```
bs_table(
id = "t1",
x = list(
col1 = c(1, 2, 3, 4, 5),
col2 = c("a", "b", "c", "d", "e"),
col3 = c(1, 2, 3, 4, 5),
col4 = c("test", "test", "test", "test", "test")
)
)
```

---

bs_teal   *Hex code for bootstrap teal color*

Description

"#20c997"

Usage

```
bs_teal
```

Format

A string

bs_textarea	*Create a HTML textarea tag configured with Bootstrap classes*

Description

Learn more at <https://getbootstrap.com/docs/5.1/forms/overview/>.

Usage

```
bs_textarea(
  id,
  value = NULL,
  label = NULL,
  placeholder = NULL,
  text = NULL,
  inline = FALSE,
  required = FALSE,
  div_attr = NULL,
  textarea_attr = c(class = "form-control"),
  label_attr = c(class = "form-label"),
  text_attr = c(class = "form-text")
)
```

Arguments

id	A string, the id/name for the textarea, passed to the id and name attributes of the <textarea> tag.
value	A string, the value of the textarea, passed to the value attribute of the <textarea> tag.
label	A string, the label to use for the textarea, passed to html5::label.
placeholder	A string, passed to the placeholder attribute of the <textarea> tag.
text	A string, text or HTML to display with the textarea and label tags.
inline	TRUE/FALSE, if TRUE, adds a div and classes to display the label and textarea and text in the same line.
required	TRUE/FALSE, if TRUE, will add the required attribute to the textarea tag.
div_attr	A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::div, wrapping the textarea, label, and text.
textarea_attr	A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::textarea.
label_attr	A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::label.
text_attr	A named list or named vector, names are attribute names and values are attribute values. Passed to the attr parameter of html5::div, which will display the text parameter.

Value

A string of HTML.

Examples

```
bs_textarea(
id = "example1",
label = "Example Text Area Input"
)
```

---

bs_toast   *Create a Bootstrap toast*

Description

Create a Bootstrap toast

Usage

```
bs_toast(
  id,
  header,
  body,
  default_close_button = TRUE,
  on_load = TRUE,
  toast_attr = c(class = "toast", role = "alert", `aria-live` = "assertive",
    `aria-atomic` = "true", `data-bs-autohide` = "false"),
  header_attr = c(class = "toast-header"),
  body_attr = c(class = "toast-body")
)
```

Arguments

id	A string, the id for the div of the toast.
header	A string, the HTML to display in the header of the toast.
body	A string, the HTML to display in the body of the toast.
default_close_button	
	TRUE/FALSE, if TRUE, adds code to display the default toast close button, otherwise the close button should be added manually.
on_load	TRUE/FALSE, if TRUE, adds a script tag with javascript to show the toast by id on load.
toast_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the div wrapping the toast content.
header_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the div wrapping the toast header.
body_attr	A named list or named vector, names are attribute names and values are attribute values. Added to the div wrapping the toast body.

Value

A string of HTML.

Examples

```
bs_toast(
id = "toast1",
header = "Hello",
body = "This is a toast"
)
```

---

bs_toast_container   *Create a Bootstrap toast container*

Description

Create a Bootstrap toast container

Usage

```
bs_toast_container(..., div_attr = c(class = "toast-container"))
```

Arguments

`...`	A string, the HTML to display in the toast container.
`div_attr`	A named list or named vector, names are attribute names and values are attribute values. Added to the div wrapping ....

Value

A string of HTML.

Examples

```
bs_toast_container(
bs_toast(
id = "toast1",
header = "Hello",
body = "This is a toast"
)
)
```

---

bs_toast_js   *Create a <script> tag to initialize the Bootstrap javascript for creating*
                                     toasts. Must include in HTML document if using a toast.

Description

Create a <script> tag to initialize the Bootstrap javascript for creating toasts. Must include in HTML document if using a toast.

Usage

```
bs_toast_js()
```

Value

A string of HTML.

Examples

```
bs_toast_js()
```

---

bs_warning   *Hex code for bootstrap warning color*

Description

#ffc107"

Usage

```
bs_warning
```

Format

A string

---

bs_white | *Hex code for bootstrap white color*

Description

"#fff"

Usage

bs_white

Format

A string

---

bs_yellow | *Hex code for bootstrap yellow color*

Description

"#ffc107"

Usage

bs_yellow

Format

A string

---

css_href_var | *Variable for the CSS CDN link*

Description

"https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"

Usage

css_href_var

Format

A string

---

css_integrity_var   *Variable for the CSS CDN integrity string*

Description

"sha384-EVSTQN3/azprG1Anm3QDgpJLIm9Nao0Yz1ztcQTwFspd3yD65VohhpuuCOmLASjC"

Usage

```
css_integrity_var
```

Format

A string

---

js_integrity_var   *Variable for the JS CDN integrity string*

Description

"sha384-MrcW6ZMFYlzcLA8Nl+NtUVF0sA7MsXsP1UyJoMp4YLEuNSfAP+JcXn/tWtIaxVXM"

Usage

```
js_integrity_var
```

Format

A string

---

js_src_var   *Variable for the JS CDN link*

Description

"https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"

Usage

```
js_src_var
```

Format

A string

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