

Components

Bootstrap

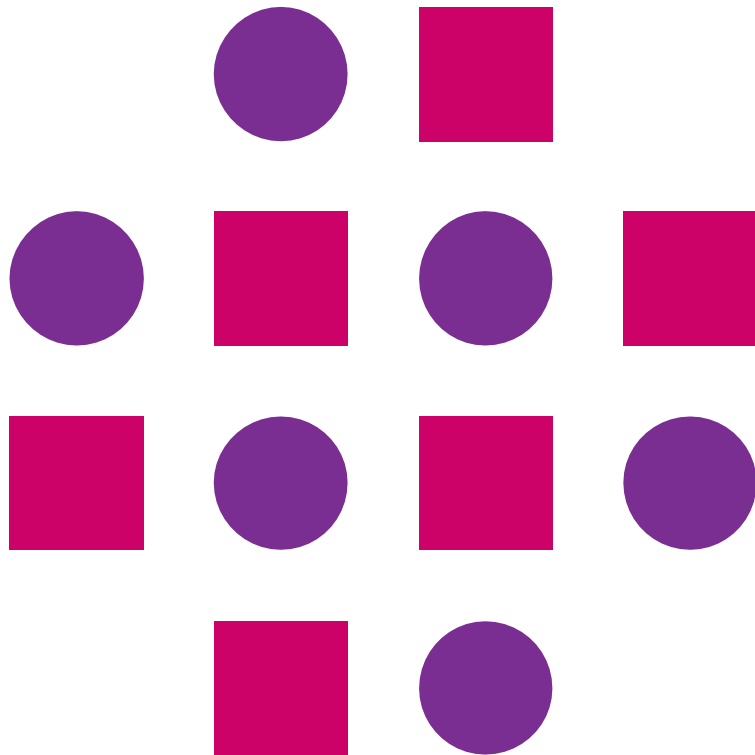


Table of Content

? Carousel

? Card

? Alert

? Badge

? Progress Bar

? Jumbotron

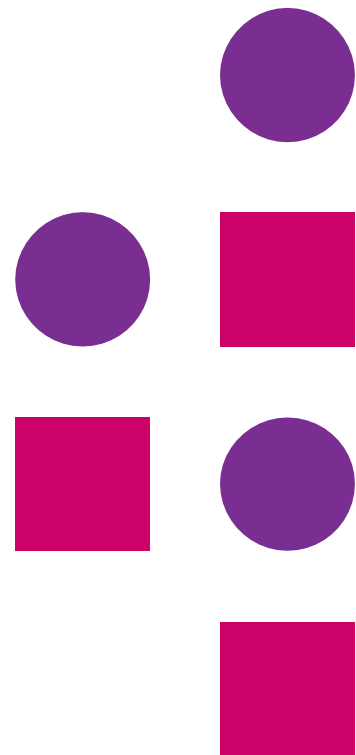
? Pagination

? Model

? Popover

? Tooltip

? Scrollspy



Bootstrap

(Components dropped)

- Following components are dropped in Bootstrap 4

Panels

Thumbnails

Wells

Carousel

(Bootstrap)

Bootstrap

(Carousel)

- The carousel is a slide-show of a series of content It is
- built with CSS 3D transforms and JavaScript
- It works with a series of images, text, or custom markup
- It also has previous/next controls and indicators

Bootstrap

(Carousel)

- Carousel stops slide-show if webpage is not visible to user
 - The browser tab is inactive
 - The browser window is minimized
- Nested carousels are not supported
- Carousels don't automatically normalize slide dimensions
- Previous/Next controls and indicators are optional

Bootstrap

(Carousel - Classes)

Class	Description
.carousel	The outer container class; sets the position relative
.slide	Controls sliding behaviour of carousel
.carousel-inner	The inner container for slide-show items
.carousel-item	To be used with slide items
.carousel-indicators	To display indicators
.carousel-caption	To display caption

Bootstrap

(Carousel - Classes)

Class	Description
.carousel-control-prev	The previous control
.carousel-control-next	The next control
.carousel-control-prev-icon	To display previous control icon
.carousel-control-next-icon	To display next control icon

Bootstrap

(Carousel – Attributes used)

Attribute	Value	Apply on	Description
data-ride	“carousel”	Outer container	Activate the carouse
data-slide	“prev” / “next”	controls	Which slide to go
data-slide-to	“slide number”	indicators	Index number of slide
data-interval	In ms	Outer container	data-interval= “3000” for 3s
data-pause	“hover”	Outer container	To pause the carousel going through the next slide
data-wrap	true (default) / false	Outer container	<ul style="list-style-type: none">• true - cycle continuously• false - stop at the last item

Bootstrap

(Carousel - Creation)

- Add a division and assign `carousel` and `slide` classes to it to act as outer container for carousel
- Set the `data-ride="carousel"` to outer container to invoke jquery carousel function
- Add child division to outer container and assign `carousel-inner` class to it
 - This division will act as wrapper to carousel items Set the identity of the outer container

Bootstrap

(Carousel – Carousel items)

- Add division(s) to inner container and assign carousel-item class
- Add to carousel item; assign **img-fluid** and **d-block** classes
 - The d-block sets the display as block
 - img-fluid sets the max-width 100% to make it responsive
- Assign **.active** class to one of the carousel items
 - The class indicates starting slide
 - Carousel won't be visible in absence of active class

Bootstrap

(Carousel – Adding indicators)

- To Add `` or `` to outer container and assign `.carousel-indicators` to it
- Assign carousel id to `data-target="#id"` in list items
- Set `data-slide-to="index-number"`
 - Index-number shall be 0~N Make
- one of the list items "`active`"

Bootstrap

(Carousel – Adding controls)

- Add anchor elements for prev and next controls to outer container
- Add `carousel-control-prev` and `carousel-control-next` classes to respective anchor elements
- Add `data-slide` attribute to anchor elements and assign “prev” and “next” to them

Bootstrap

(Carousel – Adding controls)

- Add span to prev and next controls of carousel
- Add `carousel-control-prev-icon` and `carousel-control-next-icon` classes to span to display icons
- Set the href attribute to identity of outer container

Bootstrap

(Carousel – Sizing)

- Add w-75 (for 75% width), ml-auto (margin left) and mr-auto (margin right) along with base class .carousel
- Sometimes, the controls may fall outside the image and become invisible due to the width of the image being narrower than the carousel itself, and the controls and the background both being white.
- So, if you find that you can't see the controls on your carousel, check that they're not falling outside of the image

Bootstrap

(Carousel – slide interval and pause)

- Set data-interval="2000" to control the sliding interval of carousel slides
- Default interval is set to 5 seconds
- Set data-pause="hover" to pause the slide show when mouse pointer is hovered on slides

Bootstrap

(Carousel – Custom icons and indicators)

- You can override prev and next icon classes and set background-image to change the icons
- You can also override indicator classes to set the custom indicators

Cards

(Bootstrap)

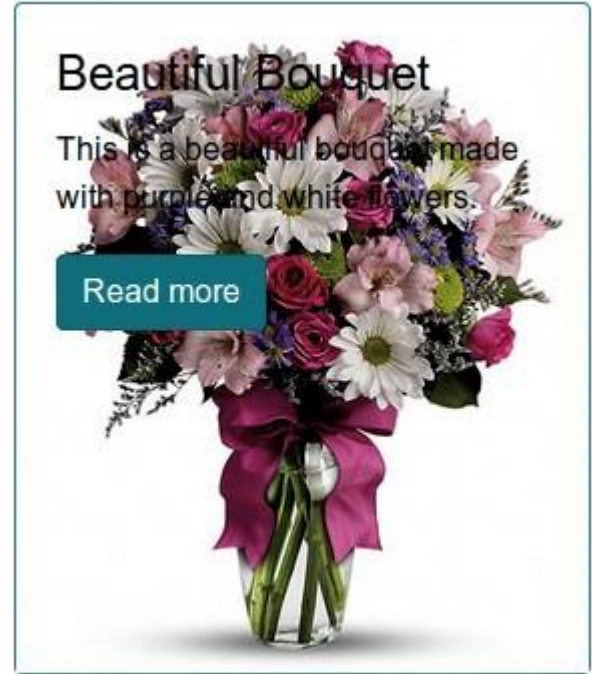
Bootstrap

(Cards)

- A card is a flexible and extensible content container
- It includes options for headers and footers, a wide variety of content, contextual background colors, and powerful display options
- Cards are built with flexbox, they offer easy alignment and mix well with other Bootstrap components

Bootstrap

(Cards)



Bootstrap

(Cards - classes)

Class/Attribute	Description
.card	Base container class for card
.card-body	Container class to wrap the content inside the card
.card-header	To add a heading to the card
.card-footer	To add footer to the card
.card-title	To add card titles to any heading element
.card-text	To remove bottom margins for a <p> element if it is the last child in the card-block

Bootstrap

(Cards - classes)

Class/Attribute	Description
.card-link	To add blue color to any link and a hover effect
.card-img-top	To round the top border corners
.card-img-bottom	To round the bottom border corners
.card-img-overlay	To add text on top of the image

Bootstrap

(Cards - basic)

```
<div class="container">
```

```
<div class="card">
```

```
<div class="card-body">
```

The basic card

```
</div>
```

```
</div>
```

```
</div>
```

Bootstrap

(Cards – header and footer)

```
<div class="container">
```

```
<div class="card">
```

```
<div class="card-header"> Header </div>
```

```
<div class="card-body"> The basic card </div>
```

```
<div class="card-footer"> Footer </div>
```

```
</div>
```

```
</div>
```


Bootstrap

(Cards)

- They have no margin by default, use spacing utilities as needed
- By default, cards have no fixed width, hence, they naturally fill the full width of its parent element
- Use sizing options to customize the cards
- Use utility classes to add colors to cards
 - `.bg-{ primary | success | info | warning | danger | secondary | dark | light }`

Bootstrap

(Alerts)

- Alerts provide feedback messages for user actions
- Alerts are available for any length of text
- An optional dismissal button can also be provided in alerts

Message Alert

You have received a mail from your friend

Bootstrap

(Alerts - classes)

Class/Attribute	Description
<code>.alert</code>	Base class for alert, sets relative position
<code>.alert-{ctx}</code>	Ctx : primary warning danger success info . . .
<code>.alert-heading</code>	For heading text of alert
<code>.close</code>	To style close button
<code>.alert-dismissible</code>	Adds extra padding to the right of the alert and positions the close button
<code>data-dismiss="alert"</code>	To enable JavaScript function for dismissal
<code>.alert-link</code>	To apply color theme on links
<code>.fade, .show</code>	Fade animation effect on alert dismissal

Bootstrap

(Alerts - dismissal)

- You need JavaScript alert plugin, make sure it is loaded
- Add a dismiss button and the `.alert-dismissible` class, which adds extra padding to the right of the alert and positions the `.close` button
- Add `data-dismiss="alert"` attribute to button, which triggers JavaScript functionality.
- Use `<button>` element for proper behavior across all devices .
- Use `.fade` and `.show` classes to animate alerts on dismissal

Bootstrap

(Alerts - dismissal)

```
<div class="alert alert-warning alert-dismissible fade show" role="alert">  
  <button type="button" class="close" data-dismiss="alert" aria-  
    label="Close">  
    <span aria-hidden="true">&times;</span>  
  </button>  
  <h3 class="alert-heading">Message Alert</h3>  
  <p>Hey! you have received mail from your friend.</p>  
  <a href="#" class="alert-link" >Read more...</a>  
</div>
```

Bootstrap

(Alerts - dismissal)

- Closing an alert will remove it from the DOM
- HTML entity `×` (✕) is the preferred icon for close buttons
(do not use letter "x")

Bootstrap

(Badges)

- Badges are used to add additional information to any content
- `.badge` class and contextual class `.badge-{ctx}` are used within `` elements to create rectangular badges
 - `.badge-{ primary | danger | warning | . . . }`
- badges scale to match the size of the parent element

Bootstrap

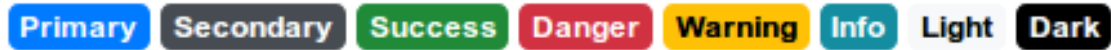
(Badges - classes)

Class/Attribute	Description
.badge	Base class
.badge-{ctx}	To add contextual badge
.pill-badge	To make the badge more round

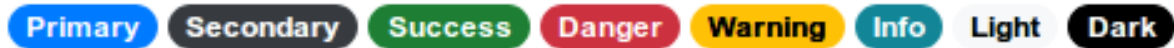
Bootstrap

(Badges)

Contextual Badges



Pill Badges



Bootstrap

(Progress Bar)

- A progress bar is used to show progress of completion of an activity
- To create a default progress bar, add a `.progress` class to a container element
- Add the `.progress-bar` class to its child element
- Add text inside the progress bar to show the visible percentage

Bootstrap

(Progress Bar)

- Use CSS width and height properties to set the width and height of progress bar.
- By default, height of the progress bar is 16px
- Please note, set the same height for progress container and progress bar
- By default, the progress bar is blue (primary)
- Use contextual background classes to add color

Bootstrap

(Progress Bar - classes)

Class/Attribute	Description
.progress	Base class, add to parent element
.progress-bar	Add the class to child element
.progress-bar-striped	To add stripes to the progress bars (child)
.progress-bar-animated	To animate the progress bar

Bootstrap

(Jumbotron)

- A jumbotron indicates a big grey box for calling extra attention to some special content or information
- Inside a jumbotron any valid HTML can be used, including other Bootstrap elements/classes

Bootstrap

(Jumbotron - classes)

Class/Attribute	Description
.jumbotron	Partial width jumbotron
.jumbotron-fluid	For full-width jumbotron without rounded borders

Bootstrap

(Pagination)

- Pagination is used to indicate number of web pages
- Creating a basic pagination
 - Add `.pagination` class to an `` element
 - Add `.page-item` to each `` element
 - Add `.page-link` class to each link inside ``

Previous	1	2	3	Next
----------	---	---	---	------

Bootstrap

(Pagination - classes)

Class/Attribute	Description
.pagination	Base pagination class
.page-item	To add page item
.page-link	To add page link
.pagination-lg	For large pagination block
.pagination-sm	For small pagination block
.breadcrumb	Breadcrumb form of pagination
.breadcrumb-item	Item in breadcrumb form of pagination

Bootstrap

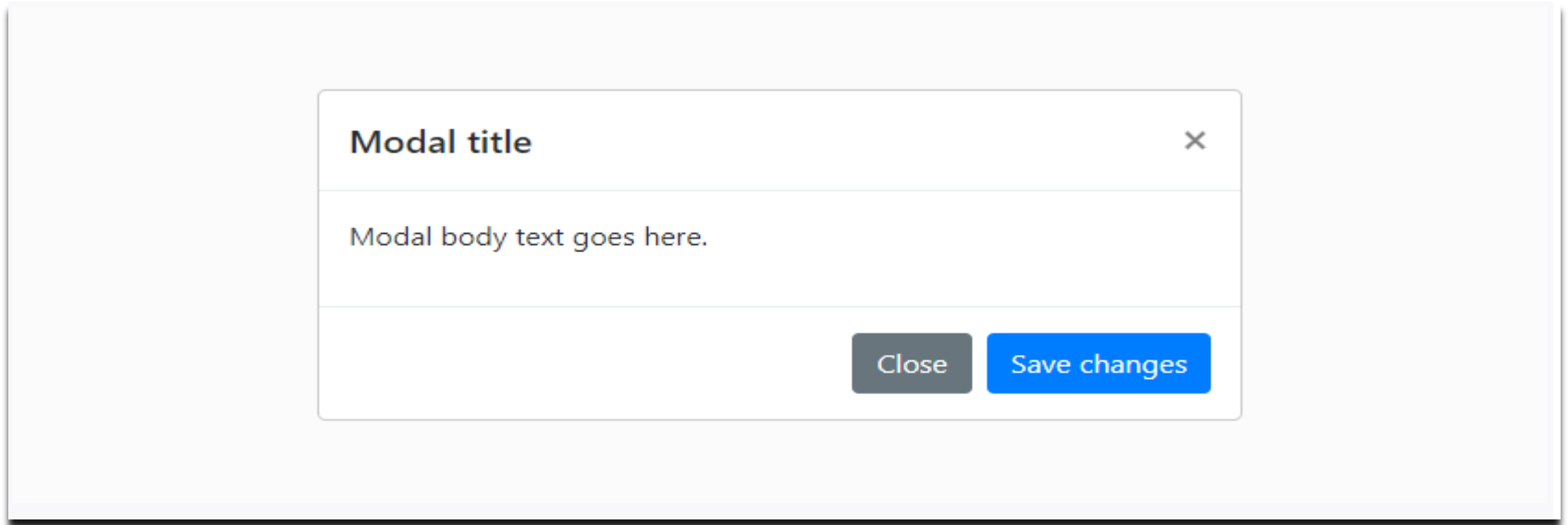
(Pagination – states)

- Active link is highlighted with `.active` class
- Disabled link (un-clickable) is indicated with `.disabled` class

Bootstrap

(Modal)

- The Modal component is a dialog box/popup window that is displayed on top of the current page



Bootstrap

(Model - classes)

Class/Attribute	Description
.modal-dialog	To define dialog
.modal-content	Container for content
.modal-header	Model header
.modal-title	Model Title
.modal-body	Model body
.modal-footer	Model footer
data-dismiss="modal"	To run javascript to dismiss model
data-toggle="modal"	To run javascript function to display modal

Bootstrap

(Modal – classes)

Class/Attribute	Description
<code>.modal-sm</code>	Small model; used with <code>.modal-dialog</code>
<code>.modal-lg</code>	Large model; used with <code>.modal-dialog</code>
<code>.modal-dialog-centered</code>	Centre the modal vertically and horizontally within the page

Bootstrap

(Tooltip)

- It is a small pop-up box that appears when user moves the mouse pointer over an element
- Tooltips must be initialized with jQuery - call the tooltip()
- By default, the tooltip will appear on top of the element



Bootstrap

(Tooltip)

```
<script>  
  $(document).ready(function() {  
    $('[data-toggle="tooltip"]').tooltip();  
  });  
</script>
```

Bootstrap

(Tooltip – Attributes used)

Attributes	Value	Description
data-toggle	"tooltip"	Shall be assigned "tooltip" to call JavaScript function
title	"text"	The text to be displayed inside the tooltip
data-placement	"position"	To set the position (top right bottom left) of the tooltip

Bootstrap

(Popover)

- The Popover is a pop-up box that appears when user clicks on an element
- Popover is similar to tooltip but can contain more text
- Popovers are dependant on 3rd party library Popper.js for positioning

Bootstrap

(Popover)

- You must include [popper.js](#) (or popper.min.js) before bootstrap.js in order for popovers to work properly
- Alternatively, you can include bootstrap.bundle.js (or bootstrap.bundle.min.js) which contains popper.js
- Popovers must be initialized with jQuery; call popover() method for initialization.

Bootstrap

(Popover)

```
<script>  
  $(document).ready(function() {  
    $('[data-toggle="popover"]').popover();  
  });  
</script>
```

Bootstrap

(Popover)

- Zero-length **title and content** values will never show a popover
- Triggering popovers on hidden elements will not work
- Popovers must be hidden before their corresponding elements have been removed from the DOM

Bootstrap

(Popover – Attributes used)

Attribute	Value	Description
data-toggle	“popover”	Shall be assigned "popover" to call JavaScript function
title	“title text”	To specify the header text of the popover
data-content	“content text”	To specify the text that should be displayed in popover
data-placement	“position”	To set the position (top right bottom left) of the popover
data-trigger	“focus hover”	To close the popover when clicking outside the element

Bootstrap

(Scrollspy)

- Scrollspy is used to automatically update links in a navigation list based on scroll position
- It must be used on a Bootstrap nav component or list group
- Scrollspy requires “**position: relative;**” on the element you’re spying on, usually the <body>
- When spying on elements other than the <body>, be sure to have a height set and “overflow-y: scroll;” applied
- Anchors (<a>) are required and must match with element id

Bootstrap

(Scrollspy – Attributes used)

Attributes	Value	Description
data-spy	"scroll"	Assign to scrollable area (often body) of the webpage
data-target	id or class	Assign to id or the class name of the navigation bar
data-offset	In pixels	To specifies the number of pixels to offset from top when calculating the position of scroll

Bootstrap

(Scrollspy – Attributes used)

- The element with data-spy="scroll" requires the CSS position property, with a value of "relative" to work properly

```
<style>
  body {
    position: relative;
  }
</style>
```

*Thank
you*

Web Stack Academy (P)Ltd

#83, Farah Towers,
1st floor, MG Road,
Bangalore - 560001

M: +91-80-4128 9576

T: +91-98862 69112

E: info@www.webstackacademy.com

www.webstackacademy.com