



Sr. Software Engineer (SSE)

ABSTRACT

This is one of the subject from my personal notes series named “Coding-With-Arqam” that I am developing from the start of my professional development career.

Subject

Bootstrap

BOOTSTRAP

--> What Bootstrap package contains:

-> Scaffolding, CSS, Components, JavaScript Plugins, Customize

--> Container:

-> Used to set the content's margins dealing with the responsive behaviors of your layout.

-> It contains the row elements and the row elements are the container of columns (known as grid system).

-> The container class is used to create boxed content.

-> Container Classes:

-> Container

-> Container-fluid

-> Structure / Layout:

```
<div class="container">
  <div class="row">
    <div class="col-md-xx"></div>
  </div>
  <div class="row">
    <div class="col-md-xx"></div>
  </div>
</div>
```

--> Jumbotron:

-> Specifies a big box for getting extra attention to some special content or information.

-> It is displayed as a grey box with rounded corners.

-> It can also enlarge the font sizes of the text inside it.

-> You can put any valid HTML or other Bootstrap elements/ classes inside a jumbotron.

-> The class .jumbotron within the <div> element is used to create a jumbotron.

--> Button:

-> Styles:

-> .btn-default

-> .btn-primary

-> .btn-success

-> .btn-info

-> .btn-warning

-> .btn-danger

-> .btn-link

--> Grid:

-> Allows up to 12 columns across the page.

-> Grid Classes:

-> xs (for phones)

-> sm (for tablets)

-> md (for desktops)

-> lg (for larger desktops)

--> Tables:

-> .table class:

-> Example:

```
<table class="table">
  <tr><th>Id</th><th>Name</th><th>Age</th></tr>
  <tr><td>101</td><td>Rahul</td><td>23</td></tr>
  <tr><td>102</td><td>Umesh</td><td>22</td></tr>
</table>
```

-> .table-striped class:

-> Used to add zebra-stripes (one row light grey and other is white) to a table

--> Forms:

-> Layouts:

-> Vertical form (this is default)

-> Horizontal form

-> Inline form

-> Form Rules:

-> Always use <form role="form"> (helps improve accessibility for people using screen readers)

-> Wrap labels and form controls in <div class="form-group"> (needed for optimum spacing)

-> Add class `.form-control` to all textual `<input>`, `<textarea>`, and `<select>` elements

--> Alerts:

-> Types:

- > `.alert-success`
- > `.alert-info`
- > `.alert-warning`
- > `.alert-danger`

-> Example:

-> `<div class="alert alert-success"> </div>`

--> Wells:

-> Used to add a rounded border around an element with a gray background color and some padding.

-> It is like a container that displays the content.

-> It is just like a light grey card behind the text.

-> Example:

-> `<div class="well">Hi! I am a Basic Well.</div>`

--> Badges and Labels:

-> Badges:

-> Numerical indicators used to show that how many items are associated with the specific link.

-> Example:

-> ` Notifications 5
`

-> Labels:

-> Used to specify the additional information about something like offering counts, tips, or other makeup for pages.

-> Example:

-> `<h1>Update New</h1>`

--> Panels:

-> A bordered box with some padding around its element.

-> The panel components are used when you want to put your DOM component in a box.

-> Parts:

- > Panel header
- > Panel content
- > Panel footer

--> Pagination:

-> Sort the web pages of your website in an organized manner.

-> It becomes very necessary if your website has a lot of web pages.

-> Class:

- > `.pagination`
- > `.disabled`, `.active`
- > `.pagination-lg`, `.pagination-sm`

--> Pager:

-> Pager is a form of pagination.

-> It is used to create previous and next buttons (links).

-> `class="pager"`

--> Images:

-> Classes:

- > `.img-rounded`
- > `.img-circle`
- > `.img-thumbnail`

-> Example:

-> ``

--> Glyphicons:

-> The icon fonts that are used in web projects.

-> Bootstrap provides 260 Glyphicons from the Glyphicons Halflings set.

-> Example:

-> Envelope glyphicon, Print glyphicon, Search glyphicon, Download glyphicon etc.

--> Carousel:

-> Flexible, responsive way that is used to add a slider to your webpage.

-> Main banner of the web.

--> Progress Bar:

-> Shows progress.

--> List Groups:

-> Used to create a group of list with list items.

-> The most basic list group is an unordered list containing list items.

-> class `".list-group"`

--> Dropdowns:

-> Toggleable, contextual menus, used for displaying links in a list format.

-> Example:

```
<div class="dropdown">
  <button class="btn btn-primary dropdown-toggle" type="button" data-toggle="dropdown">Dropdown Example
  <span class="caret"></span></button>
  <ul class="dropdown-menu">
    <li><a href="#">HTML</a></li>
    <li><a href="#">CSS</a></li>
    <li><a href="#">JavaScript</a></li>
  </ul>
</div>
```

--> Collapse:

-> Example:

```
<div class="container">
  <h2>Basic Collapse Example</h2>
  <button type="button" class="btn btn-info" data-toggle="collapse" data-target="#demo">Simple
collapsible</button>

  <div id="demo" class="collapse">
    Tigers and Lions are the most ferocious animals on the earth.
  </div>
</div>
```

--> Advanced Concepts:

-> Tabs and Pills:

-> Menus:

- > These are defined in an unordered list .
- > You have to add the .list-inline class to to create a horizontal menu.
- > Example:

```
<ul class="list-inline">
  <li><a href="#">Home</a></li>
  <li><a href="#">Menu 1</a></li>
</ul>
```

-> Tabs:

- > You can create a basic navigation tag with <ul class="nav nav-tabs">.
- > You can also mark the current page with <li class="active">.
- > Example:

```
<ul class="nav nav-tabs">
  <li class="active"><a href="#">Home</a></li>
  <li><a href="#">Menu 1</a></li>
</ul>
```

-> Tabs with Dropdown Menu:

-> Example:

```
<li class="dropdown">
  <a class="dropdown-toggle" data-toggle="dropdown" href="#">Menu 1 <span
class="caret"></span></a>
  <ul class="dropdown-menu">
    <li><a href="#">Submenu 1-1</a></li>
    <li><a href="#">Submenu 1-2</a></li>
    <li><a href="#">Submenu 1-3</a></li>
  </ul>
</li>
```

-> Pills:

- > You can create pills with <ul class="nav nav-pills">.
- > You can also mark the current page with <li class="active">.
- > Types:

- > Horizontal: class="nav nav-pills"
- > Vertical: class="nav nav-pills nav-stacked"

-> Example:

```
<ul class="nav nav-pills">
  <li class="active"><a href="#">Home</a></li>
  <li><a href="#">Menu 1</a></li>
  <li><a href="#">Menu 2</a></li>
  <li><a href="#">Menu 3</a></li>
</ul>
```

-> Nav Menus:

- > Nav menus are navigation menus used in websites.
- > If you want to create a simple horizontal menu in a website, add the .nav class to a element, followed by .nav-item for each and add the .nav-link class to their links.

-> Navigation Bar:

-> A navigation bar is like a navigation header that is placed at the top of the page.

- > You can collapse or extend it according to the screen size.
- > You can create a standard navigation bar at the top of the page with with `<nav class="navbar navbar-default">`.

-> Inputs:

-> Types:

-> Checkbox:

-> Example:

-> `<input type="checkbox" value="">Option 1</label>`

-> Radio button:

-> `<label class="checkbox-inline">`

`<input type="checkbox" value="">Option 1`

`</label>`

-> Modals:

-> The bootstrap modal plugin is a dialog box / popup window that is displayed on top of the current page.

-> <https://www.javatpoint.com/bootstrap-modals>

-> Popover:

-> The bootstrap popover plugin is very similar to tooltips.

-> It appears as a pop-up box when the user clicks on an element.

-> The difference is that the popover can contain much more content.

-> Add `data-toggle="popover"` attribute to an element.

-> Scrollspy:

-> Used to automatically update links in a navigation list based on scroll position.

-> This is like when we scroll down the page, it automatically active the corresponding tab like in single page

HTML/bootstrap templates.

-> <https://www.javatpoint.com/bootstrap-scrollspy>

Reference Links

- <https://www.javatpoint.com/bootstrap-tutorial>