Navigation Bar

Bootstrap

Table of Content

- Navigation Bar

Navigation Bar

(Bootstrap)

Bootstrap
(Navigation Bar)

- Applications and websites have navigation bar for easy navigation across different content or web pages

- Bootstrap provides base and supporting classes for easy development of navigation bars

Bootstrap
(Navigation Bar)

- Navigation bar is a navigation header which is placed at the top of the page

- Navigation bars are responsive, they collapse to vertically stack on mobile devices and become horizontal as viewport width increases

- Navigation bars and their contents are fluid by default

- Navigation bars can be toggled

Bootstrap
(Navigation Bar - Parts)

- A navigation bar has following components

  - Container

  - Header

  - Collapse

  - Utilities

Bootstrap
(Navigation – classes - container)

Class	Description
.navbar	The container class for creating basic navigation bar
.navbar-expand	• Always expanded navigation items and links • Do not use this class for vertical navigation bars
.navbar-expand-{bp}	To add responsive break points
.navbar-light	Theming class, for light colors, to set the text color black (used along with .bg-{value} classes or background-color)
.navbar-dark	Theming class, for dark colours, to set the text color white (used along with .bg-{value} classes or background-color)

Bootstrap
(Navigation Bar - Container)

- Navbar is a flexbox container by default

- To make your navbar accessible be sure

  - To use <nav> element as the parent of navbar

  - Or, use <div> and add role="navigation"

- The role attribute identifies element for users of assistive technologies

Bootstrap
(Navigation Bar - Container)

```html
<body>
<!-- Basic Navigation Bar, try with bg-light, bg-primary, bg- too -->
 <nav class="navbar navbar-dark bg-dark">
     <a class="navbar-brand" href="#">Navbar</a>
 </nav>
    <br>
 <nav class="navbar navbar-light" style="background-color: aqua">
     <a class="navbar-brand" href="#">Navbar</a>
 </nav>
</body>
```

Bootstrap
(Navigation – classes - collapse)

Class	Description
.collapse	Sets initial display; added the class to collapsible element
.navbar-collapse	Sets initial length; added the class to collapsible element
.navbar-nav	Wrapper class of the navigation items and links, added to 'unordered list' element
.nav-item	Navigation item class, added to 'list item' element
.nav-link	Navigation link class, added to 'anchor' element

Bootstrap
(Navigation Bar – Menu)

- Navbars require a wrapping .navbar with .navbar-expand-{sm | md | lg | xl } for responsive collapsing

- Links are added using HTML unordered list

  - tag with .navbar-nav class

  - tag with a .nav-item class

  - <a> tag with a .nav-link class

Bootstrap
(Navigation Bar – Menu)

```html
<ul class="navbar-nav">
    <li class="nav-item active"> <a class="nav-link" href="#">Home</a>
    </li>
    <li class="nav-item"> <a class="nav-link" href="#">Delhi</a>
    </li>
    <li class="nav-item"> <a class="nav-link" href="#">Mumbai</a>
    </li>
    <li class="nav-item"> <a class="nav-link disabled" href="#">Disabled</a>
    </li>
</ul>
```

Bootstrap
(Navigation Bar – classes - header)

Class	Description
.navbar-header (BS3)	Added to a container element that contains the navbar brand (logo or a header) and navbar toggle button
.navbar-brand	Added to a link or a header element inside the navbar to represent a logo or a header
.navbar-toggler	Styles the button that should open the navbar on small screens
navbar-toggler-icon	To display toggle button icon

Bootstrap
(Navigation Bar – header - toggle button)

Attributes	Description
data-toggle	To activate javascript "collapse" function
data-target	To indicate identity of collapse-able menu

Bootstrap
(Navigation Bar - Header)

- The .navbar-header (applicable to Bootstrap 3) is the wrapper class for navigation header components

- It wraps both navbar brand and navbar toggle button and renders them properly

Bootstrap
(Navigation Bar – Header - Brand)

- Navbar Brand

  - Holds the brand logo or company name

B

Logo

Bootstrap
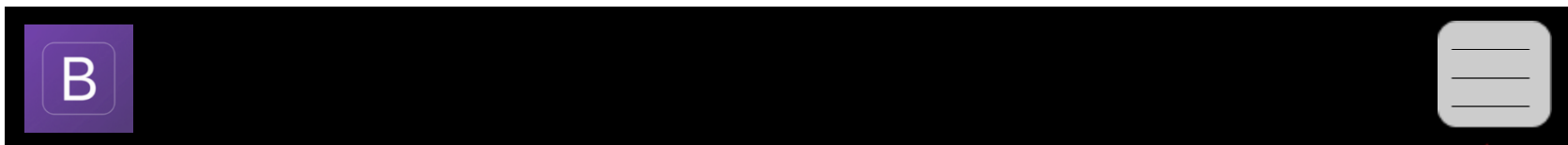## (Navigation Bar – Header - Toggle)

- **Navbar Toggle – controls collapse-able menu;**

  - Hidden on larger screens

  - Visible on mobile screens; You must click toggle button to view navigation items

- **Navbar brand - always visible**

- **Collapse-able menu** - Hidden on mobile screens and visible on large screens

Bootstrap
(Navigation Bar – Header - Toggle)

| B | Home | Delhi | Mumbai | Disabled |

On Desktop

| B | | | ☰ |

On Mobile

Toggle button

Bootstrap
(Navigation Bar – Header - Toggle)

- The button is defined by .navbar-toggler class

- Be sure following attributes are set to work toggle button properly

  – data-toggle="collapse" (this attribute is used to invoke JavaScript collapse function which controls collapse-able behavior)

  – data-target="#collapse-menu-id"

Bootstrap
(Navigation Bar – Header - Toggle)

- The aria-expanded="" attribute defines the initial state of the hidden components for screen readers

- If it's false that means it's hidden, if true it's visible

Bootstrap
(Navigation Bar – Header, Brand and Toggle button)

```html
<nav class="navbar navbar-light bg-light">
  <div class="navbar-header">
        <!-- Brand Logo -->
    <a class="navbar-brand" href="#">
    <img src="./images/bootstrap-solid.svg" width="30" height="30" alt="image">
    </a>
        <!-- Toggle button -->
    <button class="navbar-toggler" type="button" data-toggle="collapse">
        <span class="navbar-toggler-icon"></span>
    </button>
  </div>
</nav>
```

Bootstrap
(Navigation Bar – Collapse)

- The navbar collapse is the component which wraps the remain components of the navbar (such as navbar menu, navbar buttons, forms etc)

- In other words, it wraps all navbar components except .navbar-header

- It's defined by the two classes .collapse and .navbar-collapse

Bootstrap
(Navigation Bar – Collapse)

```html
<div class="collapse navbar-collapse" id="my-menu">
   <ul class="navbar-nav">
      <li class="nav-item active">
         <a class="nav-link" href="#">Home</a>
      </li>
      <li class="nav-item">
         <a class="nav-link" href="#">Delhi</a>
      </li>
   </ul>
</div> <!-- Collapse End -->
```

Bootstrap
(Vertical Navigation Bar)

- Do not use .navbar-expand class

```html
<nav class="navbar navbar-light bg-light">
  <ul class="navbar-nav">
    <li class="nav-item active">
      <a class="nav-link" href="#">Home</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">Delhi</a>
    </li>
  </ul>
</nav>
```

Bootstrap
(Navigation Bar - Colored)

- Use any of the .bg-{contextual-color} classes to change the background color of the navbar

  - {contextual-color} :

Primary	:	
Secondary	:	
Info	:	
Light	:	
Dark	:	

Danger:		
warning:		
warning:		

WSA | Forward looking IT finishing school

Bootstrap
(Navigation Bar - Colored)

- Set custom color with style="background-color: aqua"
- Set white text color with .navbar-dark class
- Set black text color with .navbar-light class

Bootstrap
(Navigation Bar – Utility classes)

- Bootstrap provides some pre-defined classes that control alignment and the positioning of navigation bar and its components

    - Positioning

    - Alignment

Bootstrap
(Navigation Bar – Utilities - Positioning)

- Fixed navigation bar stays visible in a fixed position (top or bottom) independent of the page scroll.

- .fixed-top class fixes the navigation bar at top.

- .fixed-bottom class fixes the navigation bar at bottom.

- .sticky-top class fixes the navbar at the top of the page when you scroll past it.

Bootstrap
(Navigation Bar – Utilities - Alignment)

- Align nav links, forms, buttons, or text, using

  - .navbar-left or .navbar-right utility classes for BS3

  - Both classes will add a CSS float in the specified direction

  - Classes .ml-auto and .mr-auto along with .justify-content-* for BS4

Bootstrap
(Navigation Bar - Dropdown)

- A dropdown menu is a toggleable menu that allows the user to choose one value from a predefined list

Class	Description
.dropdown	Base wrapper class for dropdown menu
.dropdown-toggle	Added to button or link for toggle control
.dropdown-menu	Added to element to build the dropdown menu
.dropdown-item	Added for item in the menu list

Bootstrap
(Navigation Bar - Dropdown)

```html
<!-- Wrapper class -->
<li class="nav-item dropdown">
    <!-- Toggle control -->
    <a class="nav-link dropdown-toggle" href="#" id="my-dropdown" data toggle=
                                        "dropdown">Dropdown</a>

    <!-- Build menu here -->
    <div class="dropdown-menu">
        <a class="dropdown-item" href="#">Action A</a>
        <a class="dropdown-item" href="#">Action B</a>
        <a class="dropdown-item" href="#">Action C</a>
    </div>
</li>
```

Thank you

Web Stack Academy (P) Ltd

#83, Farah Towers,

1st foor,MG Road,

Bangalore – 560001

M: +91-80-4128 9576

T: +91-98862 69112

E: info@www.webstackacademy.com