college CDI

Layout fundamentals for websites (NMW)

Class 08

Bootstrap (suite)

List inline menu

In Bootstrap just like often in HTML, a menu is often defined in an unordered list <ul>. The list container is created using a <ul> tag with *class="list-inline"* and each of the <li> tags using *class="list-inline-item"*.

 Home   Menu 1   menu 2   menu 3

```
<ul class="list-inline">
        <li class="list-inline-item"><a href="#">Home</a></li>
        <li class="list-inline-item"><a href="#">Menu 1</a></li>
        <li class="list-inline-item"><a href="#">Menu 2</a></li>
        <li class="list-inline-item"><a href="#">Menu 3</a></li>
</ul>
```

Nav menu

Very similar in appearance to the inline list menu, the nav menu uses <nav> tag with *class="nav nav-tabs"* where all <a> tags use *class="nav-items nav-link"*.

 Home   Menu 1   Menu 2   Menu 3

```
<nav class="nav">
        <a class="nav-items nav-link" href=""#>Home</a>
        <a class="nav-items nav-link" href=""#>Menu 1</a>
        <a class="nav-items nav-link" href=""#>Menu 2</a>
        <a class="nav-items nav-link" href=""#>Menu 3</a>
</nav>
```
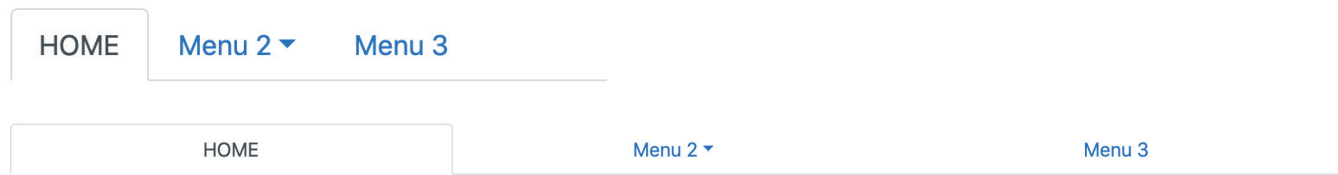
Tabs menu

Tab menus are produced using a <nav> tag using *class="nav nav-tabs"* where all <a> tags use *class="nav-items nav-link"*. The class active is used for the active link so it shows a tab.

 Home   Menu 1   Menu 2   Menu 3

```
<nav class="nav nav-tabs">
        <a class="nav-items nav-link active" href=""#>Home</a>
        <a class="nav-items nav-link" href=""#>Menu 1</a>
        <a class="nav-items nav-link" href=""#>Menu 2</a>
        <a class="nav-items nav-link" href=""#>Menu 3</a>
</nav>
```

Tabs with drop-down menu

```
<ul class="nav nav-tabs nav-justified">
        <li class="nav-item"><a class="nav-link active" href="#">HOME</a></li>
        <li class="nav-item dropdown">
                <a class="nav-link dropdown-toggle" data-toggle="dropdown" href="#">Menu 2</a>
                <div class="dropdown-menu">
                        <a class="dropdown-item" href="#">Menu 1</a>
                        <a class="dropdown-item" href="#">Menu 2</a>
                        <a class="dropdown-item" href="#">Menu 3</a>
                        <a class="dropdown-item" href="#">Desktop</a>
                </div>
        </li>
        <li class="nav-item"><a class="nav-link" href="#">Menu 3</a></li>
</ul>
```

N.B.: For tabs that spans full width, add to <ul> tag the **class="*nav nav-tabs nav-justified*"**. The class nav-justified also works with pills, etc.

Pill with dropdown menu

```
<ul class="nav nav-pills">
        <li class="nav-item"><a class="nav-link active" data-toggle="pill" href="#">Home</a></li>
        <li class="nav-item"><a class="nav-link" data-toggle="pill" href="#">Menu 1</a></li>
        <li class="nav-item">
            <a class="nav-link dropdown-toggle" data-toggle="dropdown" href="#">Menu 2</a>
                <div class="dropdown-menu">
                        <a class="dropdown-item" href="#">Submenu 1</a>
                        <a class="dropdown-item" href="#">Submenu 2</a>
                        <a class="dropdown-item" href="#">Submenu 3</a>
                </div>
        </li>
        <li class="nav-item"><a class="nav-link" data-toggle="pill" href="#">Menu 3</a></li>
</ul>
```

N.B.: To make a vertical pill menu, simply use <ul> tag with **class="*nav nav-pills flex-column*"**.

Pagination

Basic Pagination

| Previous | **1** | 2 | 3 | Next |

To create a basic pagination, add *class="pagination"* to a <ul> tag. Then, add *class="page-item"* to each <li> tag and *class="page-link"* to each link inside <li>.

<ul **class="pagination"**>
      <li **class="page-item"**><a **class="page-link"** href="#">Previous
      <li **class="page-item** *active*"><a **class="page-link"** href="#">1
      <li **class="page-item"**><a **class="page-link"** href="#">2
      <li **class="page-item** *disabled*"><a **class="page-link"** href="#">3
      <li **class="page-item"**><a **class="page-link"** href="#">Next

Pagination sizing :
<ul class="pagination pagination-lg">
<ul class="pagination pagination-sm">

Pagination Alignment

Center-aligned :
<ul class="pagination **justify-content-center**" style="margin:20px 0">
      <li class="page-item">...

Right-aligned :
<ul class="pagination **justify-content-end**" style="margin:20px 0">
      <li class="page-item">...

Breadcrumbs

United States / Canada / Germany / Italy

<ul **class="breadcrumb"**>
      <li **class="breadcrumb-item"**>United States
      <li class="breadcrumb-item">Canada
      <li class="breadcrumb-item">Germany
      <li class="breadcrumb-item">Italy

Buttons

The button classes can be used on <a>, <button>, or <input> elements with contextual classes.

Solid buttons :

<button type="button" **class="btn"**>Basic</button>
<button type="button" class="**btn btn-primary**">Primary</button>
<button type="button" class="**btn btn-secondary**">Secondary</button>
<button type="button" class="**btn btn-success**">Success</button>
<button type="button" class="**btn btn-info**">Info</button>
<button type="button" class="**btn btn-warning**">Warning</button>
<button type="button" class="**btn btn-danger**">Danger</button>
<button type="button" class="**btn btn-dark**">Dark</button>
<button type="button" class="**btn btn-light**">Light</button>
<button type="button" class="**btn btn-link**">Link</button>

Outlined buttons :

<button type="button" class="**btn btn-outline-primary**">Primary</button>
<button type="button" class="**btn btn-outline-secondary**">Secondary</button>
<button type="button" class="**btn btn-outline-success**">Success</button>
<button type="button" class="**btn btn-outline-info**">Info</button>
<button type="button" class="**btn btn-outline-warning**">Warning</button>
<button type="button" class="**btn btn-outline-danger**">Danger</button>
<button type="button" class="**btn btn-outline-dark**">Dark</button>
<button type="button" class="**btn btn-outline-light text-dark**">Light</button>

Buttons sizes :

<button type="button" class="**btn btn-primary btn-lg**">Large</button>
<button type="button" class="**btn btn-primary**">Default</button>
<button type="button" class="**btn btn-primary btn-sm**">Small</button>

Notes :
btn-block creates a full width button
active class makes a button appear pressed
disabled class to make it visually appear disabled

Spinner buttons :

<button class="**btn btn-primary**">

</button>

<button class="**btn btn-primary**" **disabled**>
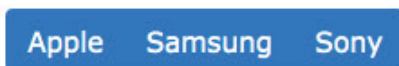
                                         Loading...
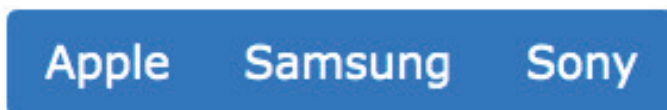</button>

<button class="**btn btn-danger**">

                                         Loading...
</button>

Button groups :

<div class="**btn-group-md**">   ** For vertical group : btn-group-vertical*
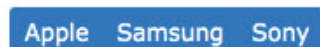   <button class="btn btn-primary">Apple</button>
                                         <button class="btn btn-primary">Samsung</button>
                                         <button class="btn btn-primary">Sony</button>
</div>

Button group large :

<div class="**btn-group-lg**">
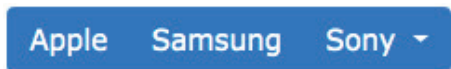   <button class="btn btn-primary">Apple</button>
                                         <button class="btn btn-primary">Samsung</button>
                                         <button class="btn btn-primary">Sony</button>
</div>

Button group small :

<div class="**btn-group-sm**">
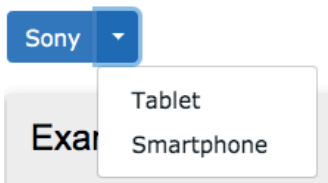   <button class-sm="btn btn-primary">Apple</button>
                                         <button class="btn btn-primary">Samsung</button>
                                         <button class="btn btn-primary">Sony</button>
</div>

Vertical button groups:

<div class="**btn-group-vertical**">
       <button type="button" class="btn btn-primary">Apple</button>
       <button type="button" class="btn btn-primary">Samsung</button>
       <button type="button" class="btn btn-primary">Sony</button>
</div>

Nesting Button Groups & Dropdown Menus

<div class="btn-group">
    <button type="button" class="btn btn-primary">Apple</button>
    <button type="button" class="btn btn-primary">Samsung</button>
    <div class="btn-group">
       <button type="button" class="**btn btn-primary dropdown-toggle**" data-toggle="**dropdown**">Sony</button>
       <div class="**dropdown-menu**">
          Tablet
          Smartphone
       </div>
    </div>
</div>

Split Button Dropdowns

<div class="btn-group">
    <button type="button" class="btn btn-primary">Sony</button>
    <button type="button" class="btn btn-primary dropdown-toggle **dropdown-toggle-split**" data-toggle="dropdown">

    </button>
    <div class="dropdown-menu">
       Tablet
       Smartphone
    </div>
</div>

Vertical list groups

Using <li>:

Active item
Second item
Third item

<ul **class="list-group"**>
  <li **class="list-group-item active"**>First item
  <li **class="list-group-item"**>Second item
  <li class="list-group-item">Third item

Using <a>:

Fist item
Second item
Third item

<div class="list-group">
  Fist item
  Second item
  Third item
</div>

Horizontal List Groups

Fist item	Second item	Third item

<ul class="list-group **list-group-horizontal**">
  <li class="list-group-item">First item
  <li class="list-group-item">Second item
  <li class="list-group-item">Third item
  <li class="list-group-item">Fourth item

Navigation Bars

A navigation bar is a navigation header placed at the top of a page. With Bootstrap, a navigation bar can extend or collapse (depending screen size) and is created in a <nav> tag by adding **class="navbar"**. For the navbar to collapse, use the class ***navbar-expand-sm*** so the navbar items stack vertically on small screens.

To add links inside the navbar, add a <ul> tag with **class="navbar-nav"** containing <li> elements with **class="nav-item"** containing a link with **class="nav-link"**.

For a vertical navbar, simply remove ***navbar-expand-sm***.

To center the links in the navbar, add the class ***justify-content-center***.

Menu 1   Menu 2   Menu 3

```
<nav class="navbar navbar-expand-sm bg-light">
        <ul class="navbar-nav">
                <li class="nav-item">
                        <a class="nav-link" href="#">Menu 1</a>
                </li>
                <li class="nav-item">
                        <a class="nav-link" href="#">Menu 2</a>
                </li>
                <li class="nav-item">
                        <a class="nav-link" href="#">Menu 3</a>
                </li>
        </ul>
</nav>
```
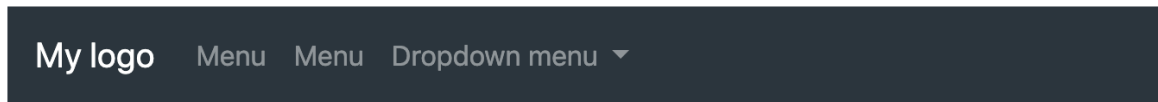
Burger menu navbar

The burger menu navbar is very similar to the navbar, except it has a <button> that shows when the screen size becomes small and the links need to be put in a container that will hide or show them depending on screen size.

```
<nav class="navbar navbar-expand-md bg-dark navbar-dark">
<a class="navbar-brand" href="#">My logo</a>
<button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#collapsibleNavbar">
    <span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="collapsibleNavbar">
    <ul class="navbar-nav">
        <li class="nav-item">
            <a class="nav-link" href="#">Link</a>
        </li>
        <li class="nav-item">
            <a class="nav-link" href="#">Link</a>
        </li>
        <li class="nav-item dropdown">
        <a class="nav-link dropdown-toggle" href="#" id="navbardrop" data-toggle="dropdown">
            Dropdown menu
        </a>
        <div class="dropdown-menu">
            <a class="dropdown-item" href="#">Submenu 1</a>
            <a class="dropdown-item" href="#">Submenu 2</a>
            <a class="dropdown-item" href="#">Submenu 3</a>
        </div>
        </li>
    </ul>
</div>
</nav>
```