

14. Navigation bar

Every web project needs great navigation. Next to the grid, this is the most important component in Bootstrap. The different types of navigation components are navs, tabs, pills, and navbars. Navs are parents to all the other navigation. Tabs and pills are the same type of component and help you create content within a page that changes when clicked. Navbars, on the other hand, are typically used for main navigation between pages. Now, although you'll end up using navbars more often, it's easier to learn about navs first.

Creating Navigation Bar using *nav*

There's a group of components called **nav**. Now, this component had a lot of changes in this new version of Bootstrap due to the implementation of Flexbox and, thankfully, became a lot simpler to use. Now to create navs you can use either the unordered lists or use nav and regular divs.

Using unordered list, you will need to call the `nav` class in the ``, `nav-item` in each list ``, and `nav-link` in each link.

```
<ul class="nav">
  <li class="nav-item"><a href="#" class="nav-link">Home</a></li>
  <li class="nav-item"><a href="#" class="nav-link">Services</a></li>
  <li class="nav-item"><a href="#" class="nav-link">Mission</a></li>
  <li class="nav-item"><a href="#" class="nav-link">Staff</a></li>
  <li class="nav-item"><a href="#" class="nav-link">Testimonials</a></li>
</ul>
```

HTML

[Home](#) [Services](#) [Mission](#) [Staff](#) [Testimonials](#)

If you want you can add a couple of styles to these. You can add an **active** style. This style shows when you use pills or nav style.

```
<li class="nav-item"><a href="#" class="nav-link active">Home</a></li>
```

The other additional look that you can have for the links is **disabled**. Disabled basically disables the hyperlink

```
<li class="nav-item"><a href="#" class="nav-link disabled">Home</a></li>
```

Nav-pills

We have nav-pills class looks like sort of buttons.

```
<ul class="nav nav-pills">
```

```
<ul class="nav nav-pills">
  <li class="nav-item"><a href="#" class="nav-link ">Home</a></li>
  <li class="nav-item"><a href="#" class="nav-link">Services</a></li>
  <li class="nav-item"><a href="#" class="nav-link active">Mission</a></li>
  <li class="nav-item"><a href="#" class="nav-link">Staff</a></li>
  <li class="nav-item"><a href="#" class="nav-link">Testimonials</a></li>
</ul>
```

HTML

[Home](#) [Services](#) [Mission](#) [Staff](#) [Testimonials](#)

Nav-tabs

Nav-tabs class makes the link look like tabs

```
<ul class="nav nav-tabs">
```

```
<ul class="nav nav-tabs ">
  <li class="nav-item"><a href="#" class="nav-link active ">Home</a></li>
  <li class="nav-item"><a href="#" class="nav-link">Services</a></li>
  <li class="nav-item"><a href="#" class="nav-link ">Mission</a></li>
  <li class="nav-item"><a href="#" class="nav-link">Staff</a></li>
  <li class="nav-item"><a href="#" class="nav-link">Testimonials</a></li>
</ul>
```

HTML

[Home](#) [Services](#) [Mission](#) [Staff](#) [Testimonials](#)

There's a couple of classes related to that. We can use justify-content-center to center the tabs, or justify-content-end to shift the tabs to the right side.

```
<div class="nav nav-pills justify-content-center">
```

```
<ul class="nav nav-tabs justify-content-center">
  <li class="nav-item"><a href="#" class="nav-link ">Home</a></li>
  <li class="nav-item"><a href="#" class="nav-link">Services</a></li>
  <li class="nav-item"><a href="#" class="nav-link ">Mission</a></li>
  <li class="nav-item"><a href="#" class="nav-link">Staff</a></li>
  <li class="nav-item"><a href="#" class="nav-link active">Testimonials</a></li>
</ul>
```

HTML

[Home](#) [Services](#) [Mission](#) [Staff](#) [Testimonials](#)

```
<div class="nav nav-pills justify-content-end">
```

```
<ul class="nav nav-tabs justify-content-end">
  <li class="nav-item"><a href="#" class="nav-link ">Home</a></li>
  <li class="nav-item"><a href="#" class="nav-link">Services</a></li>
  <li class="nav-item"><a href="#" class="nav-link ">Mission</a></li>
  <li class="nav-item"><a href="#" class="nav-link active ">Staff</a></li>
  <li class="nav-item"><a href="#" class="nav-link ">Testimonials</a></li>
</ul>
```

HTML

Home Services Mission **Staff** Testimonials

You can also try **nav-justified** to make all the links of the same size.

Home Services Mission Staff Testimonials

nav-fills makes all the links to fill into one line

Home Services Mission Staff Testimonials

Flex-column

flex-column makes all the links to automatically stack on top of one another.

```
<ul class="nav flex-column nav-pills nav-fills">
  <li class="nav-item"><a href="#" class="nav-link active ">Home</a></li>
  <li class="nav-item"><a href="#" class="nav-link">Services</a></li>
  <li class="nav-item"><a href="#" class="nav-link ">Mission</a></li>
  <li class="nav-item"><a href="#" class="nav-link">Staff</a></li>
  <li class="nav-item"><a href="#" class="nav-link ">Testimonials</a></li>
</ul>
```

HTML

Home

Services

Mission

Staff

Testimonials

You can actually specify a breakpoint at which these get converted back to rows. For example, stack all the links in medium size window.

```
<ul class="nav flex-column nav-pills nav-fills">
  <li class="nav-item"><a href="#" class="nav-link active ">Home</a></li>
  <li class="nav-item"><a href="#" class="nav-link">Services</a></li>
  <li class="nav-item"><a href="#" class="nav-link ">Mission</a></li>
  <li class="nav-item"><a href="#" class="nav-link">Staff</a></li>
  <li class="nav-item"><a href="#" class="nav-link ">Testimonials</a></li>
</ul>
```

HTML

Home Services Mission Staff Testimonials

Home

Services

Mission

Staff

Testimonials

Using navbar classes

The **navbar** component is related to the **nav** component, so if you're familiar with navs, then creating navbars will be simple. the **navbar** class is the class that goes on the main container, and it can have a number of other elements inside it. Now, by default, **navbar** components will stack, so we need to add a **navbar-expand**, with optional breakpoints to control when the **navbar** is going to expand.

```
<nav class="navbar bg-dark navbar-dark">
  <div class='navbar-nav'> <!--div to store all the link -->
    <a href="#" class="nav-item nav-link active">Home</a>
    <a href="#" class="nav-item nav-link">Services</a>
    <a href="#" class="nav-item nav-link">Mission Impossible</a>
    <a href="#" class=" nav-item nav-link">Staff</a>
    <a href="#" class="nav-item nav-link">Testimonials</a>
  </div>
</nav>
```

HTML

Home

Services

Mission Impossible

Staff

Testimonials

By default, the navigation will always stack. Bootstrap is designed as a mobile first framework, so the default is to always do what would happen on a mobile device. So, we have an extra class that we need to add here, and it's called **navbar-expand** with a specific breakpoint.

```
<nav class="navbar bg-dark navbar-dark navbar-expand-sm">
```

Navbar brand and text

In addition to the **navbar nav** you can add other components to your navigation. The simplest to use is called the **navbar brand** and it's used for text or logos and will get an enhanced look. Another simple component is the **navbar text** component and you can add inline text that works well with the rest of the navigation. So, both of these are going to go right next to the **navbar nav** component. **navbar-brand** is the class that you add when you want to add a logo or some text.

```
<nav class="navbar bg-dark navbar-dark navbar-expand-sm">
  <a class=navbar-brand href='#'> APPLE
    
  </a>
  <!-- nav list-->
  <div class='navbar-nav'>
    <a href="#" class="nav-item nav-link active">Home</a>
    <a href="#" class="nav-item nav-link">Services</a>
    <a href="#" class="nav-item nav-link">Mission Impossible</a>
    <a href="#" class=" nav-item nav-link">Staff</a>
    <a href="#" class="nav-item nav-link">Testimonials</a>
  </div>
</nav>
```

HTML



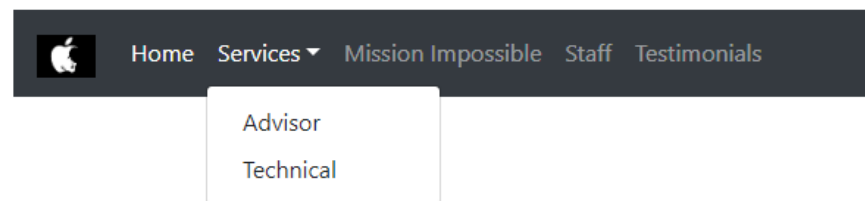
Dropdown

Although dropdowns are technically a separate component, they are used very often in menus. A dropdown requires a container, just like a lot of other elements to work. Therefore, you'll need to create something that has a class of dropdown. This is usually a div, or it could be on a list item if you're using a navigation that uses list items.

```

<nav class="navbar bg-dark navbar-dark navbar-expand-sm">
  <a class=navbar-brand href='#'>
    <img src='apple1.jpg' style="width: 40px;" alt="wisdow pet logo"/>
  </a>
  <div class='navbar-nav'>
    <a href="#" class="nav-item nav-link active">Home</a>
    <!-- specify that the dropdown list will be at Services-->
    <div class='dropdown'>
      <a class='nav-item nav-link dropdown-toggle' data-toggle='dropdown' aria-
haspopup='true' aria-expanded='false' id="serviceDropdown"href='#'>Services</a>
      <!-- create a dropdown list for services-->
      <div class='dropdown-menu' aria-labelledby= 'serviceDropdown'>
        <a class="dropdown-item" href="#" >Advisor</a>
        <a class="dropdown-item" href="#" >Technical</a>
      </div> <!--end of drowdown list -->
    </div> <!-- end of service dropdown -->
    <a href="#" class="nav-item nav-link">Mission Impossible</a>
    <a href="#" class=" nav-item nav-link">Staff</a>
    <a href="#" class="nav-item nav-link">Testimonials</a>
  </div>
</nav>

```



Create collapsible content

Every so often, we need to create a navigation that collapses when the width of the device or the window is really small. That's because navigation can take up a lot of room vertically on a small device and often, we want to make sure that that room isn't taken over unless the user wants it. So in order to do that, we create these collapsible sections of content and to do that in Bootstrap, you essentially need two parts, the thing that you want to collapse and some element that will control that content.

So we need to work on two different parts. For the collapsible content, you're going to need a couple of classes, the first one is the generic collapse class that goes on the content that you of course want to collapse. And in addition to that, you're also going to use another class called **navbar** collapse because most of the time when you're using this feature, you're going to be collapsing a **navbar**. Now there are some other things that you need to do and we need to tie the element that we are collapsing which would be this element with the thing that is collapsing this element which will be a little button that's known as the hamburger menu button.

```

<nav class="navbar bg-dark navbar-dark navbar-expand-sm">
  <!-- Create a div for navbar-brand -->
  <a class=navbar-brand href='#'>
    <img src='apple1.jpg' style="width: 40px;" alt="wisdow pet logo"/>
  </a>
  <!-- Create a hamburger button to control the collapseTab-->
  <button class='navbar-toggler' type='button' data-toggle='collapse' data-
target='#collapseTab' aria-controls="collapseTab" aria-expanded='false' aria-
label='Toggle naviagation'>
    <span class='navbar-toggler-icon'></span>
  </button> <!--end of collapse button -->
  <!-- Create a div to specified the collapse session -->
  <div class='collapse navbar-collapse' id='collapseTab'>
  <!-- nav list-->
  <div class='navbar-nav'>
    <a href="#" class="nav-item nav-link active">Home</a>
    <a href="#" class="nav-item nav-link">Services</a>
    <a href="#" class="nav-item nav-link">Mission Impossible</a>
    <a href="#" class=" nav-item nav-link">Staff</a>
    <a href="#" class="nav-item nav-link">Testimonials</a>
  </div>
  </div> <!-- end of collapse-->
</nav>

```

