Session 6
Navigation Bars

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 **nav**, **tab**, **pill,** and **navbar**. **nav**s 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. **navbar**s, on the other hand, are typically used for main navigation between pages.
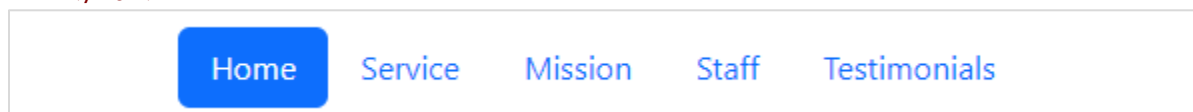
Creating navigation bar using *<nav>*

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 **<ul>, nav-item** in each list **<li>**, and **nav-link** in each link.

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.

```
<nav class="nav nav-pills justify-content-center">
      <a href="#home" class="nav-link active">Home</a>
      <a href="#service" class="nav-link">Service</a>
      <a href="#Mission" class="nav-link">Mission</a>
      <a href="#Staff" class="nav-link">Staff</a>
      <a href="#testimonial" class="nav-link">Testimonials</a>
   </nav>
```



```
<nav class="nav nav-pills justify-content-end">
```
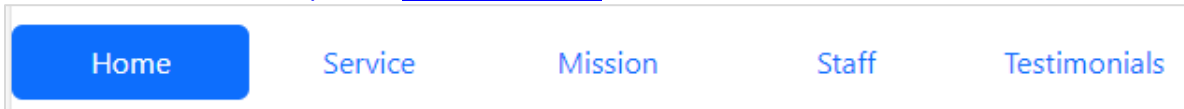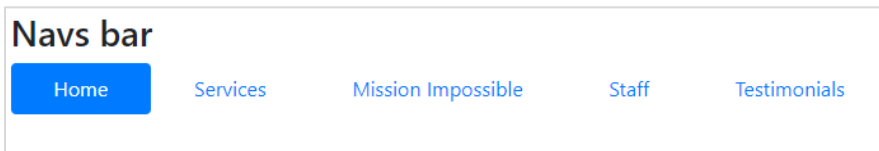
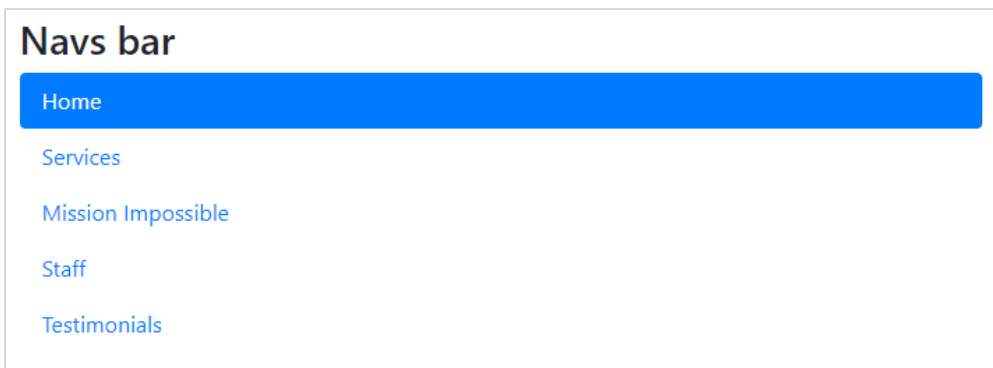you can also try **nav-justified** to make all the links of the same size.

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


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

Flex-column

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

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

```
<div class="nav nav-pills flex-column flex-md-row">
```

Navigation 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>
```

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">
```
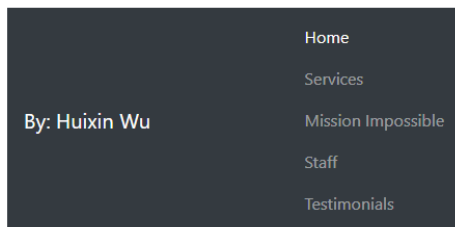
Navbar brand and text

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.

Navs bar

```
<div class='container'>
     <nav class="navbar bg-dark navbar-dark navbar-expand-sm">
       <!-- Create a div for navbar-brand -->
       <a class=navbar-brand href='#'>
           <img src='images/wisdompetlogo.svg' style="width: 40px;"/>
       </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>
   </div>
```
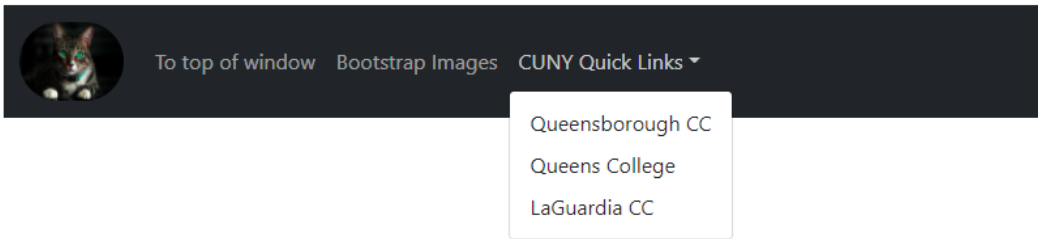
Navs bar

The `navbar-brand` can also work with link and/or image

```html
<a class=navbar-brand href='#'>
  <img src='images/wisdompetlogo.svg' style="width: 40px;" alt="pet logo"/>
</a>
```

Example) Create a navigation bar with three external links


```html
<nav class="navbar navbar-expand-sm bg-dark navbar-dark">
  <div class="container-fluid">
    <ul class="navbar-nav">
      <li class="nav-item">
        <a href="https://www.qcc.cuny.edu/" target="_blank"
         class="nav-link active">Queensborough CC</a>
      </li>
      <li class="nav-item">
        <a href="https://www.qc.cuny.edu/" target="_blank"
         class="nav-link">Queens College</a>
      </li>
      <li class="nav-item">
        <a href="https://www.lgcc.cuny.edu/" target="_blank"
         class="nav-link">LaGuardian CC</a>
      </li>
    </ul>
  </div>
</nav>
```



```html
<nav class="navbar navbar-expand-sm bg-warning navbar-dark">
  <div class="container-fluid">
    <a class="navbar-brand" href="https://www.qcc.cuny.edu/">
      <img src="cat.jpg" alt="cat logo" style="width:80px; height:60px;"
       class="rounded-pill">
    </a>
  </div>
</nav>
```

```html
<nav class="navbar navbar-expand-sm bg-dark navbar-dark" style="margin-
bottom:20em;">
    <div class="container-fluid">
        <a class="navbar-brand" href=https://www.qcc.cuny.edu/ target="_blank">
            <img src="cat.jpg" alt="cat logo" style="width:80px; height:60px;"
            class="rounded-pill">
        </a>
        <!-- Navigation links -->
        <button class="navbar-toggler" type="button" data-bs-toggle="collapse"
        data-bs-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="#">To top of window</a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="#BI">Bootstrap Images</a>
              </li>


              <li class="nav-item dropdown">
              <a class="nav-link dropdown-toggle" href=" https://www.cuny.edu"
              role="button" data-bs-toggle="dropdown">CUNY Quick Links</a>
              <ul class="dropdown-menu">
                  <li><a class="dropdown-item"
href="https://www.qcc.cuny.edu/"> Queensborough CC</a></li>
                  <li><a class="dropdown-item"
href="https://www.qc.cuny.edu/">Queens College</a></li>
                  <li><a class="dropdown-item"
href="https://www.lgcc.cuny.edu/">LaGuardia CC</a></li>
                </ul>
              </li>
          </ul>
        </div><!-- end of nav links-->
      </div><!-- end of nav container-->
    </nav>
```