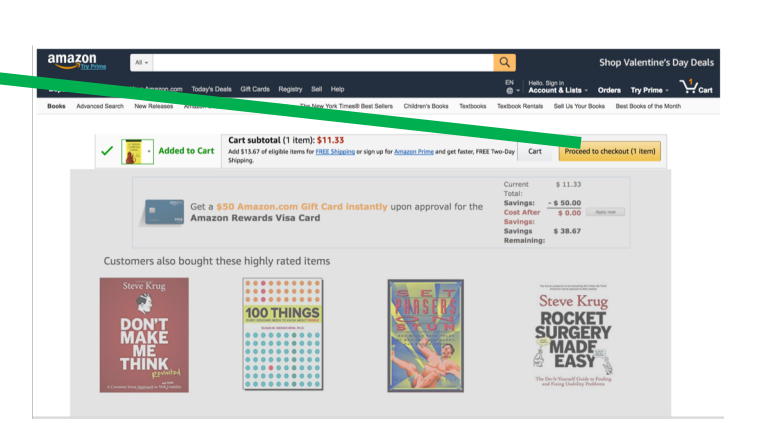
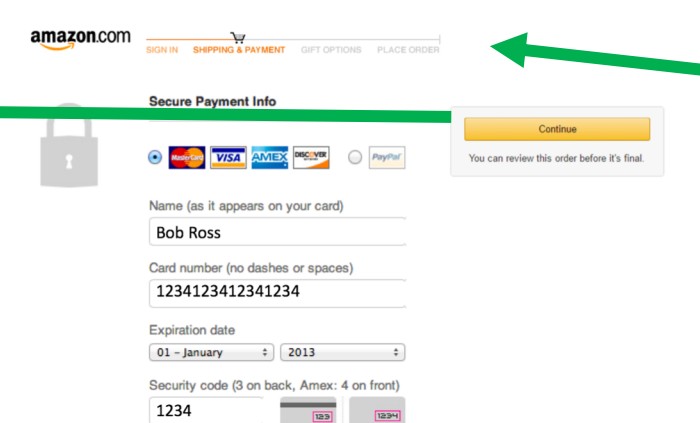
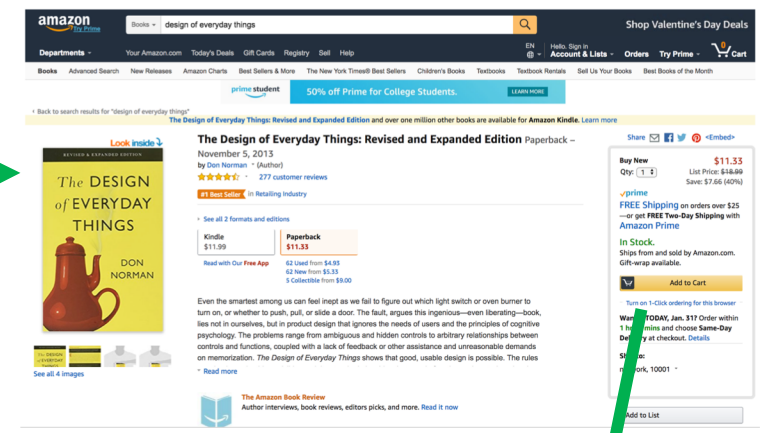
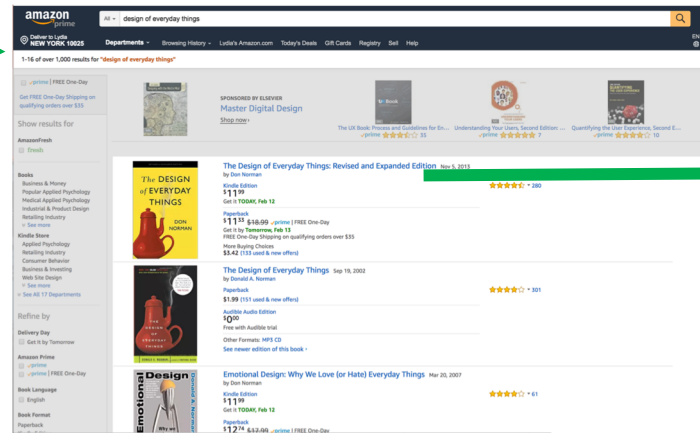
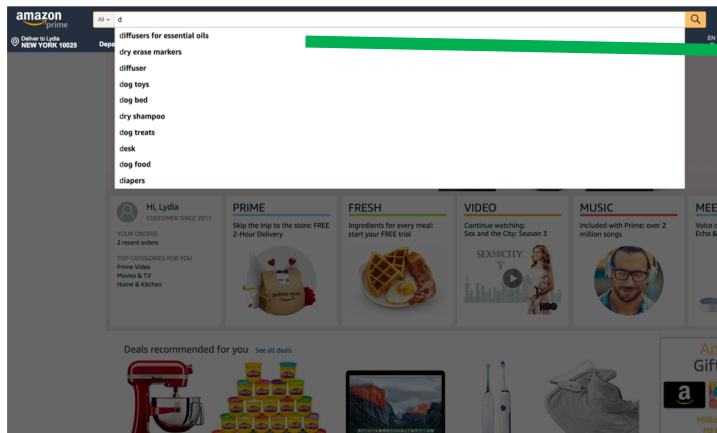


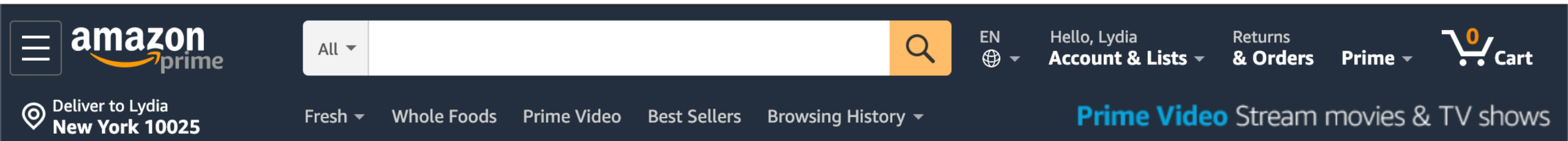
Navbar Widgets

Prof. Lydia Chilton
COMS 4170
24 February 2025

For complex tasks, guide users attention by breaking the task into: states, options, and transitions to new states.

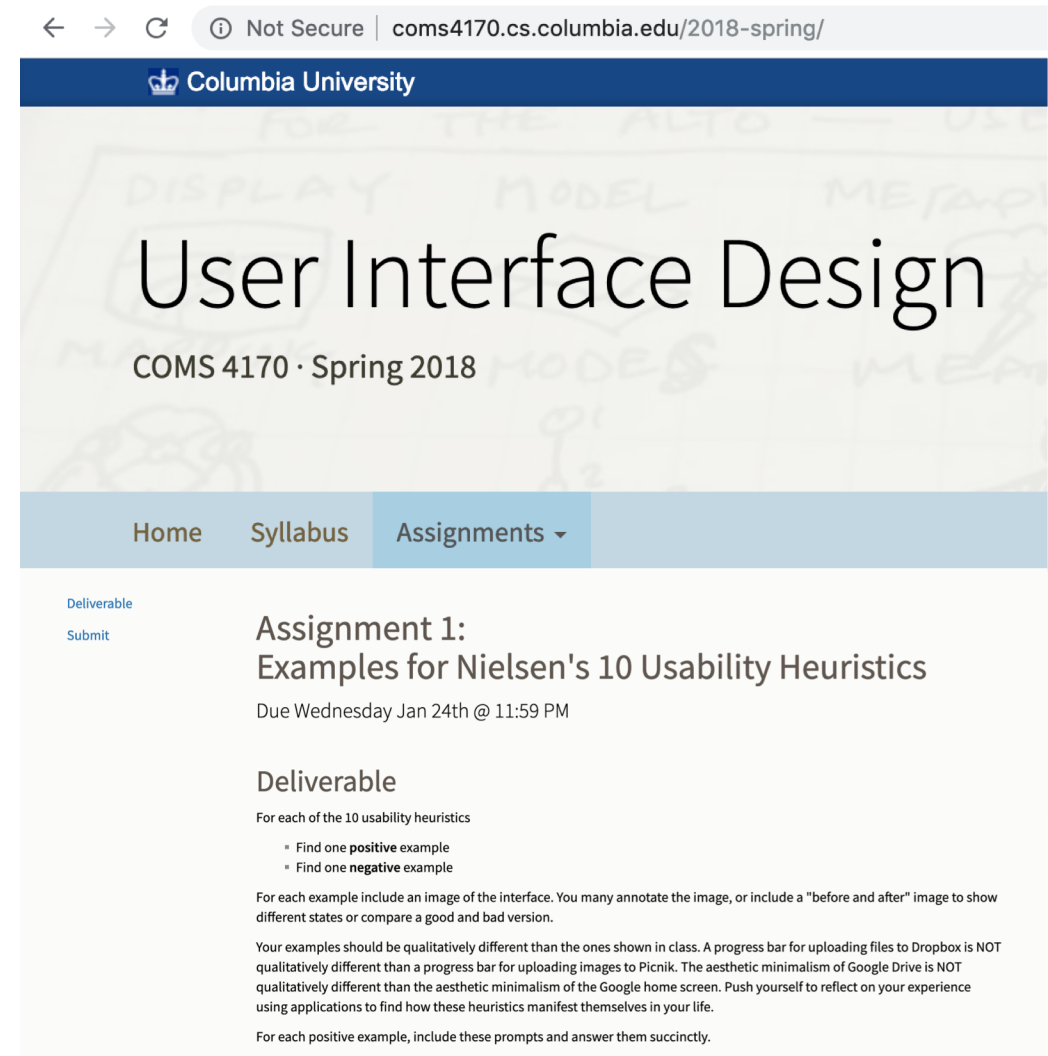
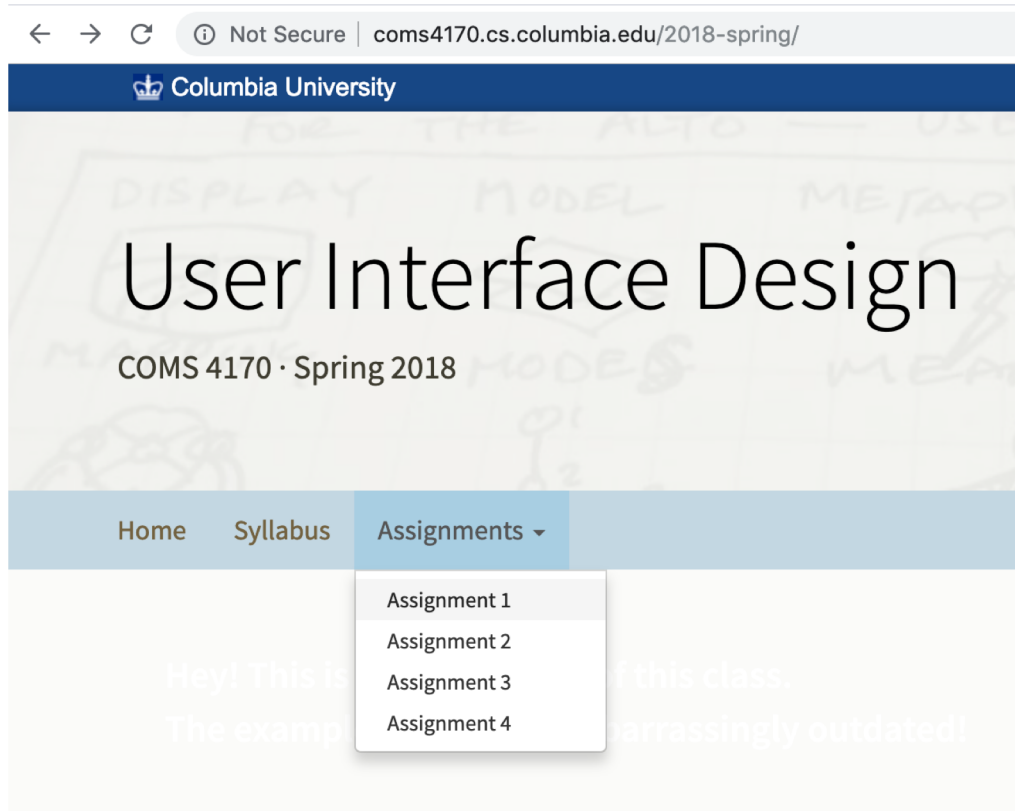


But across each state, there is something that is consistent, and given the user great control and freedom.

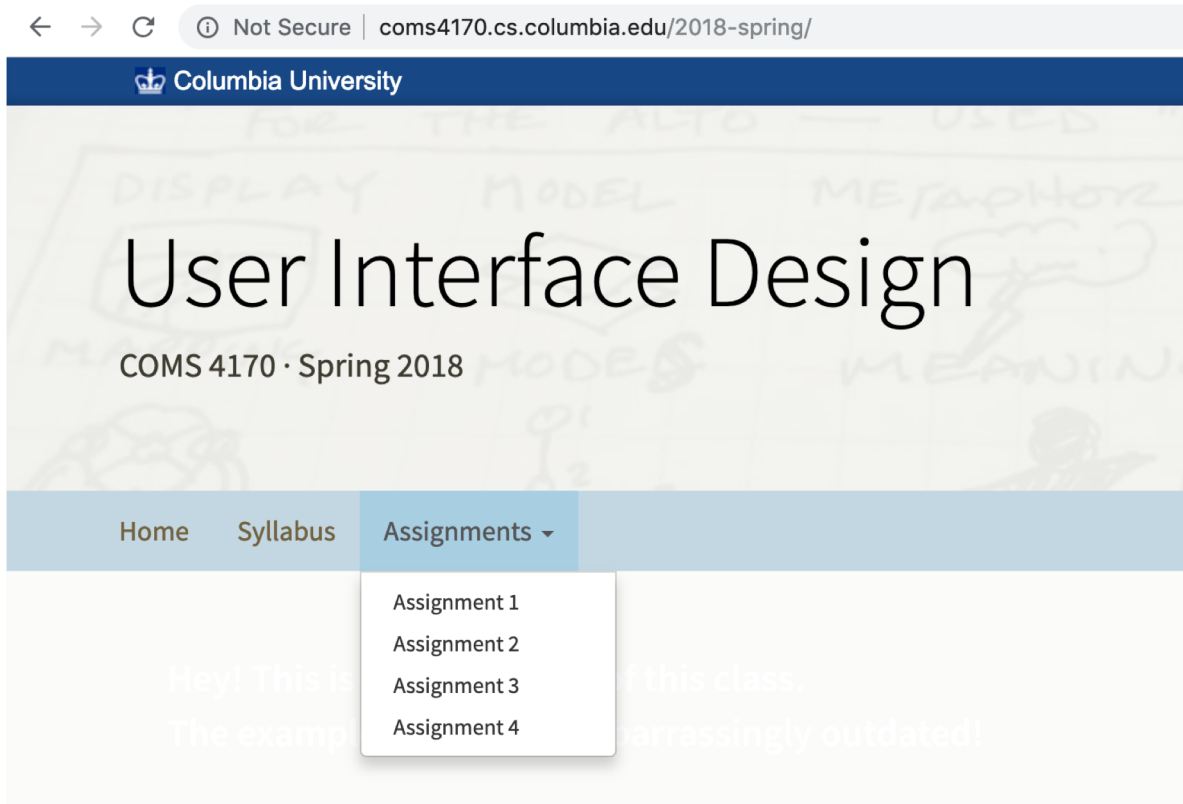


The Navigation Bar (Navbar)

NavBars are Widgets that are the same across all your pages.



Bootstrap makes a very widely used Navbar widget

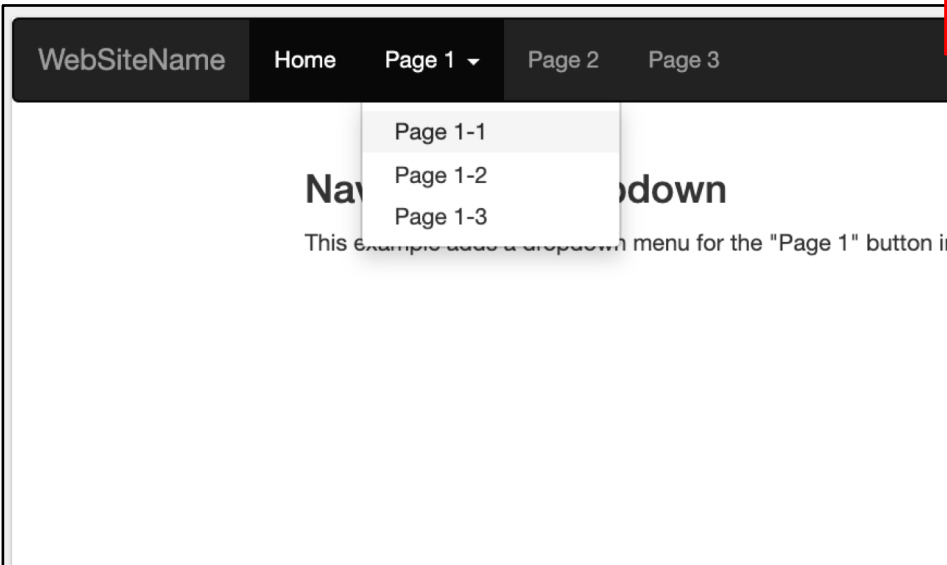


```
<nav class="navbar navbar-default navbar-static-top" role="navigation">
  <div class="container">
    <div class="navbar-header">
      <button type="button" class="navbar-toggle" data-toggle="collapse" data-target=".navbar-collapse">
        <span class="sr-only">Toggle navigation</span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
        <span class="icon-bar"></span>
      </button>
      <a class="navbar-brand" href="/2018-spring/index.shtml">Home</a>
    </div>
    <div class="navbar-collapse collapse">
      <ul class="nav navbar-nav">
        <li><a href="/2018-spring/index.shtml#calendar">Syllabus</a></li>

        <li class="dropdown">
          <a href="#" class="dropdown-toggle" data-toggle="dropdown" role="button" aria-haspopup="true"
            aria-expanded="false">Assignments <span class="caret"></span></a>
          <ul id="assignments" class="dropdown-menu">
            <!--<li class="disabled"><a href="">coming soon!</a></li-->
            <li><a href="/2018-spring/assignments/a1.shtml">Assignment 1</a></li>
            <li><a href="/2018-spring/assignments/a2.shtml">Assignment 2</a></li>
            <li><a href="/2018-spring/assignments/a3.shtml">Assignment 3</a></li>
            <li><a href="/2018-spring/assignments/a4.shtml">Assignment 4</a></li>
          </ul>
        </li>
        <!--
        <li><a href="/2018-spring/project-presentations/index.shtml">Project Presentations</a></li>
        -->
      </ul>
      <ul class="nav navbar-nav navbar-right">
        <a class="navbar-link" href="http://piazza.com/columbia/spring2018/coms4170_001_2018_userinterfacedesign/home"><button type="button" class="btn btn-default btn-su navbar-btn">Piazza</button></a>
      </ul>
    </div>
  </div>
</nav>
```

Bootstrap Navbar Implementation

Navbars have interaction, then need JavaScript packages.



```
<head>
  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>
  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/js/bootstrap.min.js"></script>
</head>
<body>

<nav class="navbar navbar-inverse">
  <div class="container-fluid">
    <div class="navbar-header">
      <a class="navbar-brand" href="#">WebSiteName</a>
    </div>
    <ul class="nav navbar-nav">
      <li class="active"><a href="#">Home</a></li>
      <li class="dropdown"><a class="dropdown-toggle" data-toggle="dropdown" href="#">Page 1 <span class="
        <ul class="dropdown-menu">
          <li><a href="#">Page 1-1</a></li>
          <li><a href="#">Page 1-2</a></li>
          <li><a href="#">Page 1-3</a></li>
        </ul>
      </li>
      <li><a href="#">Page 2</a></li>
      <li><a href="#">Page 3</a></li>
    </ul>
  </div>
</nav>

<div class="container">
  <h3>Navbar With Dropdown</h3>
  <p>This example adds a dropdown menu for the "Page 1" button in the navigation bar.</p>
</div>

</body>
</html>
```

The simplest Navbar: Text only (with link)

Navbar

```
<nav class="navbar navbar-light bg-light">  
  <div class="container-fluid">  
    <a class="navbar-brand" href="#">Navbar</a>  
  </div>  
</nav>
```

Adding an Icon/Image



```
<nav class="navbar navbar-light bg-light">  
  <div class="container">  
    <a class="navbar-brand" href="#">  
        
    </a>  
  </div>  
</nav>
```


Image and Text



```
<nav class="navbar navbar-light bg-light">
  <div class="container-fluid">
    <a class="navbar-brand" href="#">
      
      Bootstrap
    </a>
  </div>
</nav>
```

Syntax 1:

Navbar Home Features Pricing Disabled

Copy

```
<nav class="navbar navbar-expand-lg navbar-light bg-light">
  <div class="container-fluid">
    <a class="navbar-brand" href="#">Navbar</a>
    <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target=
      <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarNavAltMarkup">
      <div class="navbar-nav">
        <a class="nav-link active" aria-current="page" href="#">Home</a>
        <a class="nav-link" href="#">Features</a>
        <a class="nav-link" href="#">Pricing</a>
        <a class="nav-link disabled" href="#" tabindex="-1" aria-disabled="true">Disabled<
      </div>
    </div>
  </div>
</nav>
```

Syntax 2:

Navbar Home Features Pricing Disabled

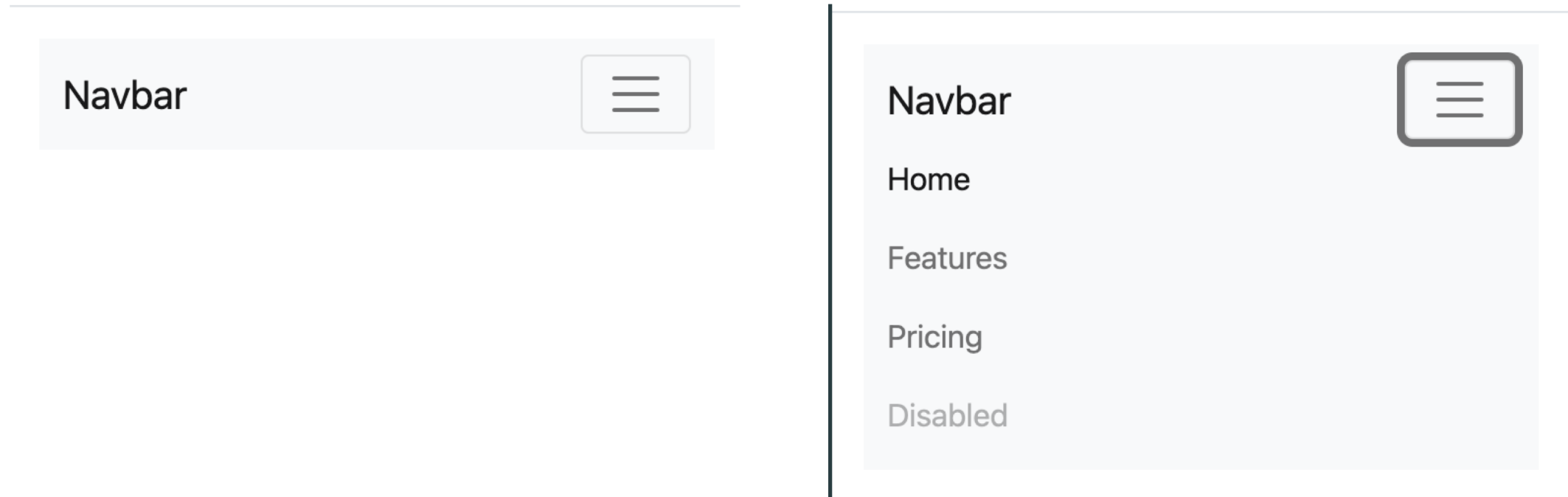
```
<nav class="navbar navbar-expand-lg navbar-light bg-light">
  <div class="container-fluid">
    <a class="navbar-brand" href="#">Navbar</a>
    <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNav" >
      <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarNav">
      <ul class="navbar-nav">
        <li class="nav-item">
          <a class="nav-link active" aria-current="page" href="#">Home</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#">Features</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#">Pricing</a>
        </li>
        <li class="nav-item">
          <a class="nav-link disabled" href="#" tabindex="-1" aria-disabled="true">Disabled</a>
        </li>
      </ul>
    </div>
  </div>
</nav>
```

- Action
- Another action
- Something else here

Copy

```
<nav class="navbar navbar-expand-lg" :">
  <div class="container-fluid">
    <a class="navbar-brand" href="#">
    <button class="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target=
      <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarNavDropdown">
      <ul class="navbar-nav">
        <li class="nav-item">
          <a class="nav-link active" aria-current="page" href="#">Home</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#">Features</a>
        </li>
        <li class="nav-item">
          <a class="nav-link" href="#">Pricing</a>
        </li>
        <li class="nav-item dropdown">
          <a class="nav-link dropdown-toggle" href="#" id="navbarDropdownMenuLink" role="b
            Dropdown link
          </a>
          <ul class="dropdown-menu" aria-labelledby="navbarDropdownMenuLink">
            <li><a class="dropdown-item" href="#">Action</a></li>
            <li><a class="dropdown-item" href="#">Another action</a></li>
            <li><a class="dropdown-item" href="#">Something else here</a></li>
          </ul>
        </li>
      </ul>
    </div>
  </div>
</nav>
```

Bootstrap Navbars are responsive



On mobile, a menu automatically appears
with the nav elements

Adding a search box (and button)

Search

Search

Copy

```
<nav class="navbar navbar-light bg-light">
  <div class="container-fluid">
    <form class="d-flex">
      <input class="form-control me-2" type="search" placeholder="Search" aria-label="Search">
      <button class="btn btn-outline-success" type="submit">Search</button>
    </form>
  </div>
</nav>
```

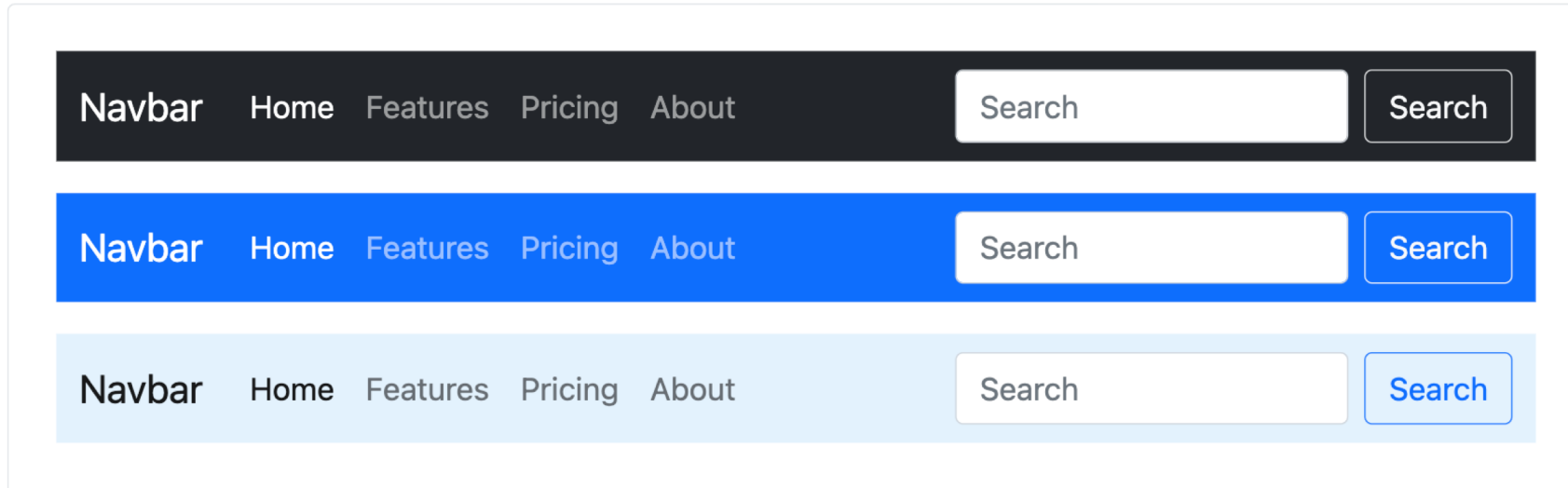
Search AND other Navbar elements

Navbar

Copy

```
<nav class="navbar navbar-light bg-light">
  <div class="container-fluid">
    <a class="navbar-brand">Navbar</a>
    <form class="d-flex">
      <input class="form-control me-2" type="search" placeholder="Search" aria-label="Sear
      <button class="btn btn-outline-success" type="submit">Search</button>
    </form>
  </div>
</nav>
```

Colors! (use them last!)



```
<nav class="navbar navbar-dark bg-dark">  
  <!-- Navbar content -->  
</nav>
```

```
<nav class="navbar navbar-dark bg-primary">  
  <!-- Navbar content -->  
</nav>
```

```
<nav class="navbar navbar-light" style="background-color: #e3f2fd;">  
  <!-- Navbar content -->  
</nav>
```

Copy

Navbar fixed to the top when scrolling

Fixed top

Top Fixed Navbar

A fixed navigation bar stays visible in a f

Scroll this page to s

Fixed top

Top Fixed Navbar

A fixed navigation bar stays visible in a fixed position (top or bottom

Scroll this page to see the effect

```
<nav class="navbar fixed-top">
  <div class="container-fluid">
    <a class="navbar-brand" href="#">Fixed top</a>
  </div>
</nav>
```