



# **BOOTSTRAP 4**

## **PART TWO**

# BOOTSTRAP 4

- We will look at a subset of content, utilities and components, including:
  - Tables
  - Images and Buttons
  - Spacing
  - Navs
  - Dropdowns
  - Navbars

# TABLES

- For basic styling such as light padding and only horizontal dividers, we will add the base class **table** to any `<table>` tag.
- Other Classes include:
  - **table-striped** adds zebra-stripping to any table row within the `<tbody>`.
  - **table-bordered** adds borders on all sides of the table and cells.
  - **table-hover** enables a hover state on table rows within a `<tbody>`.
  - **table-sm** makes tables more compact by cutting cell padding in half.

# TABLES

## Responsive Tables

- Create responsive tables by including the following **table-responsive** class any `<table>` tag.
- Or you can pick a maximum breakpoint with which to have a responsive table up to by adding **.table-responsive{-sm|-md|-lg|-xl}..**

## Other table styling

- Use **thead-light** or **thead-dark** classes to style the table head.
- Use **table-dark** to invert the table.

# TABLES

Item	Price	Quantity	Total
Coffee mug	\$10.00	5	\$50.00
Polo shirt	\$20.00	5	\$100.00
Red stapler	\$9.00	4	\$36.00
Subtotal			\$186.00
Shipping			\$12.00
Total Due			\$198.00

thead (with.thead-dark)

.table-striped

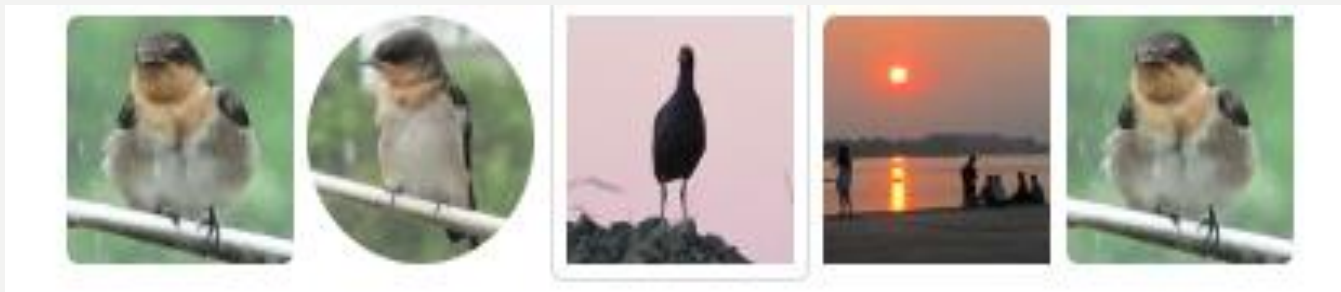
.table-bordered

.table-hover

.table-sm

# IMAGES

- Images can include many classes such as:
  - **.img-fluid** for responsive images
  - **.rounded** for rounded corners
  - **.rounded-circle** for a circular image
  - **.img-thumbnail** for a thumbnail image (1 pixel border)



# BUTTONS

- To style a button, use Bootstrap's **.btn** class, followed by the desired style class.
  - Primary,
  - Secondary,
  - Info,
  - Success,
  - Warning,
  - Danger,
  - Light,
  - Dark, and
  - Link



# SPACING

- Assign responsive-friendly **margin** or **padding** values to an element or a subset of its sides with shorthand classes.
- Property is one of **m** for classes that set **margin** and **p** for classes that set **padding**.
- Where sides is one of **t** (top), **b** (bottom), **l** (left), **r** (right), **x** (left and right), **y** (top and bottom), or blank ( all sides).
- Size can be one of **0**, **1**, **2**, **3**, **4** or **5**.
- Examples:
  - mt-0 (margin top 0)
  - ml-1 (margin left 1)
  - px-2 (padding left and right 2)
  - p-3 (padding top, bottom, left and right 3)



# NAV – NAV-TABS

- All nav components share the same base markup and styles through the **.nav** class.
- For a *tabbed effect* we use the **.nav-tabs** class. Note the **.nav-tabs** class requires the **.nav** base class.

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

```
  <li class="link-item"><a class="nav-link active"
    href="index.htm">WIT Home Page</a></li>
```

```
  <li class="link-item"><a class="nav-link "
    href="aboutwit.htm">About WIT</a></li>
```

```
  ...
```

```
</ul>
```

WIT Home Page

About WIT

Director's Welcome

WIT Home Page

# NAV – NAV-PILLS

- For a *Pills effect* we use the **.nav-pills** class. Note the **.nav-pills** class requires the **.nav** base class.

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

```
  <li class="link-item"><a class="nav-link active"
    href="index.htm">WIT Home Page</a></li>
```

```
  <li class="link-item"><a class="nav-link "
    href="aboutwit.htm">About WIT</a></li>
```

```
  ...
```

```
</ul>
```

WIT Home Page

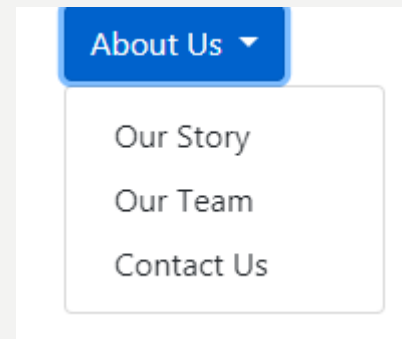
About WIT

Director's Welcome

About WIT

# DROPDOWN MENU

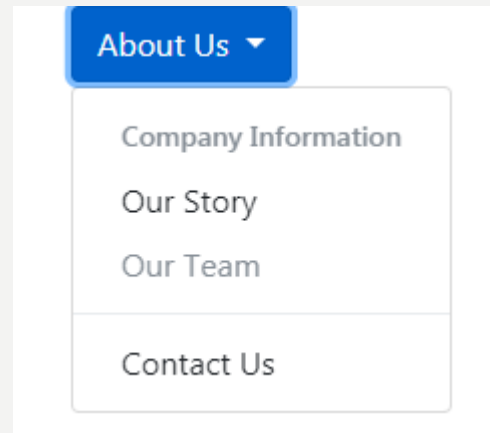
- Key steps for creating a Bootstrap dropdown:
  - Wrap the dropdown trigger element within an element with Bootstrap's **.dropdown** class.
  - Add Bootstrap's **.dropdown-toggle** class and add **data-toggle="dropdown"** to the trigger element. (i.e. the element that users click on to expand the dropdown).
  - Wrap all dropdown items in a **<div>** with **.dropdown-menu** applied.
  - Each dropdown item has a class of **.dropdown-item**.





# DROPDOWN MENU

- Options include (via classes):
  - **dropdown-header**
  - **dropdown-divider**
  - **Disabled**



# NAVBAR

w3resource   About   Portfolio   Contact

- Key steps for creating a Navbar:
  - Wrap everything inside a `<nav>` element with the `.navbar` class and a `.navbar-expand{-sm|-md|-lg|-xl}` class, along with a colour scheme.
  - For a togglable menu on smaller devices, use a button element with `.navbar-toggler`. To display the "hamburger", use the `.navbar-toggler-icon` class on a span element.
  - For a list of links, use a `<ul>` with the `.navbar-nav` class.
  - For each individual list item, use `<li>` with `.nav-item`.
  - For the individual links use `<a>` with `.nav-link`.
  - Use `.navbar-brand` for your company, product, or project name.

# NAVBAR

w3resource About Portfolio Contact Products ▾

Login

- Options include (via classes):
  - **.active**
  - **mr-auto / ml-auto**
  - **fixed-top / fixed-bottom**
- Colour options:
  - You specify light or dark (via **.navbar-light** or **.navbar-dark**), then specify a colour. Colour can be specified either via one of Bootstrap's colour classes (eg, **.bg-primary**, **.bg-dark**), or by specifying your own colour with CSS (eg, using **background-color**).