

Bootstrap Classes

Lesson Time: 90 Minutes

In this lesson we are going to take a tour of some of the custom bootstrap classes and what they offer. There are more than what we will cover here, but these are some of the most useful

Jumbotron

The famous jumbotron is used to make a section of your site standout.

```
<div class="jumbotron">
  <h1>Grab someone's attention.</h1>
  <p class="lead">Bootstrap makes creating great looking websites easy.</p>
</div>
```

Grab someone's attention.

Bootstrap makes creating great looking websites easy.

Navbar

Creates a site's navigation header section for great looking nav bars.

Nav

For individual items in an Navbar

```
<nav class="navbar">
  
  <ul class="nav mr-auto">
    <li class="nav-item">
      <a class="nav-link" href="#">Home</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">Products</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">About Us</a>
    </li>
    <li class="nav-item">
      <a class="nav-link" href="#">Contact</a>
    </li>
  </ul>
</nav>
```



[Home](#)

[Products](#)

[About Us](#)

[Contact](#)

Card

Cards are used as content containers and can be used to hold text, images, or represent items.

```
<div class="container">
  <div class="row">
    <div class="card col-4">
      
      <div class="card-body">
        <h5 class="card-title">London Bridge</h5>
        <p class="card-text">The famous london bridge.</p>
      </div>
    </div>
    <div class="card col-4">
      
      <div class="card-body">
        <h5 class="card-title">Tokoyo</h5>
        <p class="card-text">Tokoyo at night.</p>
      </div>
    </div>
    <div class="card col-4">
      
      <div class="card-body">
        <h5 class="card-title">Namibia, Africa</h5>
        <p class="card-text">The beautiful landscape of Africa.</p>
      </div>
    </div>
  </div>
</div>
```



London Bridge

The famous london bridge.



Tokoyo

Tokoyo at night.



Namibia, Africa

The beautiful landscape of Africa.

Carousel

The carousel is often used on the front page of a site, to create striking images that can be clicked through. See the 12_3components.html to see it in action. Below we will walk through the code.

```
...<div id="myCarousel" class="carousel slide" data-ride="carousel">
...<!-- Indicators -->
...<ol class="carousel-indicators">
...<li data-target="#myCarousel" data-slide-to="0" class="active"></li>
...<li data-target="#myCarousel" data-slide-to="1"></li>
...<li data-target="#myCarousel" data-slide-to="2"></li>
...</ol>

...<!-- Wrapper for slides -->
...<div class="carousel-inner">
...<div class="carousel-item active">
...
...</div>
...<div class="carousel-item">
...
...</div>
...<div class="carousel-item">
...
...</div>
...</div>

...<!-- Left and right controls -->
...<a class="carousel-control-prev" href="#myCarousel" data-slide="prev">
...<span class="carousel-control-prev-icon" aria-hidden="true"></span>
...<span class="sr-only">Previous</span>
...</a>
...<a class="carousel-control-next" href="#myCarousel" data-slide="next">
...<span class="carousel-control-next-icon" aria-hidden="true"></span>
...<span class="sr-only">Next</span>
...</a>
...</div>
```

The code begins with a <div> of class “**carousel slide**”. This acts as the container for the carousel.

The next section, labeled **indicators**, layouts out the data targets for the carousel. The indicator has a **data-target** and a number of data slides from 0,1, and 2. Notice it’s setup as an ordered list and we’ve given the data-target a name #myCarousel.

The third section, **carousel-inner**, simply describes each picture with a wrapped in a div of class “**carousel-item**”

The final section describes the controls for the carousel. Here we have two controls, **carousel-control-prev** and **carousel-control-next**. Both controls point to the indicator to understand what the control should do.

Finally, it’s critical that bootstrap’s .js files and jQuery are linked to the HTML <head> so that the code works.

Buttons

Buttons are pretty simple. We just use our standard HTML button. Bootstrap styles the button with a bootstrap class. These classes are useful for different kinds of operations



```
<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-danger">Danger</button>
<button type="button" class="btn btn-warning">Warning</button>
<button type="button" class="btn btn-info">Info</button>
<button type="button" class="btn btn-light">Light</button>
<button type="button" class="btn btn-dark">Dark</button>

<button type="button" class="btn btn-link">Link</button>
```

Alerts

With bootstrap, JS Alerts are beautiful and elegant, and no longer act as an annoyance to the user.

In this example, we use jQuery to create a Bootstrap alert when a button is clicked.

```
function bsAlert(){
    $("#alerts").append(
        '<div class="alert alert-warning alert-dismissible fade show">' +
        'Alerts in Bootstrap look great!' +
        '<button type="button" class="close" data-dismiss="alert" aria-label="Close">' +
        '<span aria-hidden="true">&times;</span>' +
        '</button>' +
        '</div>')
}
```

Tooltips.

For a tooltip to work, you must add the Popper.js scripts to your html

```
<title>Bootstrap Sample</title>
<link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css">
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"></script>
<script src="https://unpkg.com/popper.js"></script>
```

On any element, you can add a tip that appears when hovered over with these attributes

data-toggle = will always be set to tooltip

data-placement = where the tooltip will appear

title = the text that will appear in the tooltip

Then, to trigger the, in your html <script> add a jQuery statement

\$(element).tooltip()

Key Terms	
Lesson Files	12_4components.html
Additional Resources	
Further Learning	