

# {WebCodeChicks}

## Bootstrap 3

### Getting Started

Brackets - Code Editor

Good Extensions for Brackets:

|                            |                              |
|----------------------------|------------------------------|
| Emmet                      | colorHints                   |
| Documents Toolbar          | Static Preview               |
| Swatcher                   | ACB New Bootstrap Template   |
| Autosave Files on Blur     | ACB Bootstrap Snippets (529) |
| Brackets Snippets (by edc) |                              |

### What is Bootstrap?

It is a framework for developing responsive, mobile first projects on the web. A WHAT?? In simple speech, a library of CSS styles (classes) pre-configured for you to call in you HTML document.

### How to Get Bootstrap

[getbootstrap.com](http://getbootstrap.com) - documentation and snippets of code

#### Files vs CDN

Downloading the files gives you a certain version. When there are upgrades to the code, you have to go and manually update the files. Good for local testing.

Content Delivery Networks give to an address that you are pulling from. When there are changes to the code, you only have to change the address.

### What You Get

#### Bootstrap

Compiled and minified CSS, JavaScript, and fonts. No docs or original source files are included.

[Download Bootstrap](#)

#### Source code

Source Less, JavaScript, and font files, along with our docs. **Requires a Less compiler and some setup.**

[Download source](#)

#### Sass

[Bootstrap ported from Less to Sass](#) for easy inclusion in Rails, Compass, or Sass-only projects.

[Download Sass](#)

For Starting out the CDN or the plain Bootstrap download will do.

## Let's get Bootstrapping

We need three files to be Bootstrap working.

- bootstrap.css or bootstrap.min.css
- jquery.min.js
- bootstrap.js or bootstrap.min.js

What's the min.js stuff??

Files can be minified making the file smaller to download and extremely difficult if not impossible to read. These files would be used when you are ready for finalizing your website on the server.

## Putting It Together

```
1<!DOCTYPE html>
2<html lang="en">
3<head>
4  <meta charset="utf-8">
5  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
6  <link rel="stylesheet" media="screen" href="https://
cdnjs.cloudflare.com/ajax/libs/twitter-bootstrap/3.3.5/css/
bootstrap.min.css">
7  <link rel="stylesheet" href="css/style.css">
8  <title>Minimum Bootstrap HTML Skeleton</title>
9</head>
10<body>
11  <script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/1.9.1/
jquery.min.js"></script>
12  <script src="https://cdnjs.cloudflare.com/ajax/libs/twitter-
bootstrap/3.3.5/js/bootstrap.min.js"></script>
13</body>
14</html>
```

**Line 5** - This code helps set the contents of the code to fit in the width of the device that renders it, whether that be phone, tablet or desktop. It just makes it work! It is a necessity, don't forget it!

**Line 6** - the CDN version of the CSS file.

**Line 7** -

**Line 10** - The javascript library of cool stuff. This is also a file that is very necessary. All of the cool features of Bootstrap depend on this file.

**Line 11** - the javascript file for Bootstrap. The javascript file is depends on jQuery to function properly so don't forget it. This javascript file makes the dropdown, collapse, carousel, modal and other cool features work. Check out <http://getbootstrap.com/javascript/> for more details

## The Grid

The grid is the framework of bootstrap. This is where you make magic happen with learning the grid. Here are some thing to remember:

- Bootstrap is based upon a **12 column system**.
- Rows must be placed within a `.container` (fixed-width) or `.container-fluid` (full-width) for proper alignment and padding.
- Use rows to create horizontal groups of columns.
- Content should be placed within columns, and only columns may be immediate children of rows.

Bootstrap requires a containing element to wrap site contents and house our grid system. There are 2 types:

`<div class="container"></div>` - has a fixed width

`<div class="container-fluid"></div>` - spans the entire width of your viewport/device.

## Device Sizes and Media Queries

Bootstrap contains 4 sizes/media query widths

|                 | Extra small devices<br>Phones (<768px) | Small devices Tablets<br>(≥768px)                | Medium devices Desktops<br>(≥992px) | Large devices Desktops<br>(≥1200px) |
|-----------------|--|--|-------------------------------------|-------------------------------------|
| Grid behavior   | Horizontal at all times                | Collapsed to start, horizontal above breakpoints |                                     |                                     |
| Container width | None (auto)                            | 750px  | 970px                               | 1170px                              |
| Class prefix    | .col-xs-                               | .col-sm-   | .col-md-                            | .col-lg-                            |
| # of columns    | 12                                     |  |                                     |                                     |
| Column width    | Auto                                   | ~62px  | ~81px                               | ~97px                               |
| Gutter width    | 30px (15px on each side of a column)   |  |                                     |                                     |
| Nestable        | Yes                                    |  |                                     |                                     |
| Offsets         | Yes                                    |  |                                     |                                     |
| Column ordering | Yes                                    |  |                                     |                                     |

.col-xs-\* - less than 768px wide will not be

.col-sm-\* - 769px to 991px

.col-md-\* - 992px to 1199px

.col-lg-\* - 1200px and more

### Offsets

Move columns to the right using .col-md-offset-\* classes. These classes increase the left margin of a column by \* columns. For example, .col-md-offset-4 moves .col-md-4 over four columns.

Centering columns:

```
<div class="col-sm-4 col-dm-offset-4">  
<div class="col-sm-6 col-dm-offset-3">  
<div class="col-sm-8 col-dm-offset-2">  
<div class="col-sm-10 col-dm-offset-1">
```

## Hide and Show Columns

To Hide columns in a specific breakpoint:

```
.hidden-xs, .hidden-sm, .hidden-md, .hidden-lg
```

```
.visible-xs, .visible-sm, .visible-md, .visible-lg
```

## Typography

Bootstrap's global default font-size is 14px

Make a paragraph stand out by adding `.lead`

```
<p class="lead">...</p>
```

Create lighter, secondary text in any heading with a generic `<small>` tag or the `.small` class.

```
<h1>h1. Bootstrap heading <small>Secondary text</small></h1>
```

Wrap `<blockquote>` around any HTML as the quote. For straight quotes, we recommend a `<p>`

```
<blockquote>
```

```
  <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit.</p>
```

```
</blockquote>
```

Easily realign text to components with text alignment classes.

```
<p class="text-left">Left aligned text.</p>
```

```
<p class="text-center">Center aligned text.</p>
```

```
<p class="text-right">Right aligned text.</p>
```

```
<p class="text-justify">Justified text.</p>
```

```
<p class="text-nowrap">No wrap text.</p>
```

## Helper Classes

Set an element to display: block and center via margin.

```
<div class="center-block">...</div>
```

## Glyphicons

Use glyphicons in a span tag and icon classes cannot be directly combined with other components.

See <http://fontawesome.io/> for another option

## Navs and Navbar

Starting with the base `.nav` class, as well as shared states. Swap modifier classes to switch between **each style**.

```
<ul class="nav nav-tabs">
  <li role="presentation" class="active"><a href="#">Home</a></li>
  <li role="presentation"><a href="#">Profile</a></li>
  <li role="presentation"><a href="#">Messages</a></li>
</ul>
```

```
<ul class="nav nav-pills">
  <li role="presentation" class="active"><a href="#">Home</a></li>
  <li role="presentation"><a href="#">Profile</a></li>
  <li role="presentation"><a href="#">Messages</a></li>
</ul>
```

Default navbar

Navbars are responsive meta components that serve as navigation headers for your application or site. They begin collapsed (and are toggleable) in mobile views and become horizontal as the available viewport width increases.

Requires JavaScript plugin

If JavaScript is disabled and the viewport is narrow enough that the navbar collapses, it will be impossible to expand the navbar and view the content within the `.navbar-collapse`.

The responsive navbar requires the collapse plugin to be included in your version of Bootstrap.

## Buttons

Use the button classes on an `<a>`, `<button>`, or `<input>` element.

Fancy larger or smaller buttons? Add `.btn-lg`, `.btn-sm`, or `.btn-xs` for additional sizes.

## Accordion

**Bolded classes** for style override

The href and controls for each button must have a unique name

```
<div class="panel-group" id="accordion" role="tablist" aria-multiselectable="true">
  <div class="panel panel-default">
    <div class="panel-heading" role="tab" id="headingOne">
      <h4 class="panel-title">
        <a role="button" data-toggle="collapse" data-parent="#accordion" href="#collapseOne" aria-expanded="true" aria-controls="collapseOne">
          Collapsible Group Item #1
        </a>
      </h4>
    </div>
    <div id="collapseOne" class="panel-collapse collapse in" role="tabpanel" aria-labelledby="headingOne">
      <div class="panel-body">
        Anim pariatur cliche reprehenderit, enim eiusmod high life accusamus terry richardson ad squid.
      </div>
    </div>
  </div>
  <div class="panel panel-default">
    <div class="panel-heading" role="tab" id="headingTwo">
      <h4 class="panel-title">
        <a class="collapsed" role="button" data-toggle="collapse" data-parent="#accordion" href="#collapseTwo" aria-expanded="false" aria-controls="collapseTwo">
          Collapsible Group Item #2
        </a>
      </h4>
    </div>
    <div id="collapseTwo" class="panel-collapse collapse" role="tabpanel" aria-labelledby="headingTwo">
      <div class="panel-body">
        Anim pariatur cliche reprehenderit, enim eiusmod high life accusamus terry richardson ad squid. 3 wolf moon officia aute, non cupidatat skateboard dolor brunch.
      </div>
    </div>
  </div>
</div>
```

```
</div>
</div>

<div class="panel panel-default">
  <div class="panel-heading" role="tab" id="headingThree">
    <h4 class="panel-title">
      <a class="collapsed" role="button" data-toggle="collapse" data-
parent="#accordion" href="#collapseThree" aria-expanded="false" aria-
controls="collapseThree">
        Collapsible Group Item #3
      </a>
    </h4>
  </div>
  <div id="collapseThree" class="panel-collapse collapse"
role="tabpanel" aria-labelledby="headingThree">
    <div class="panel-body">
      Anim pariatur cliche reprehenderit, enim eiusmod high life
accusamus terry richardson ad squid.    </div>
    </div>
  </div>
</div>
```

## Bootstrap Version 4 is Coming - You are ready!

<http://v4-alpha.getbootstrap.com/>

Documentation

<http://v4-alpha.getbootstrap.com/getting-started/introduction/>