

Twitter Bootstrap I

Overview and Downloading:

Twitter Bootstrap calls itself a “powerful mobile first front-end framework for faster and easier web development.” It was created by Twitter in 2011 and is currently in its third iteration. Twitter Bootstrap files provide a framework of pre-written CSS and JavaScript files from which to develop responsive websites and web apps.

For the most recent Twitter Bootstrap files, first navigate to:

<http://getbootstrap.com>. These files can be downloaded in full by clicking “Download.” Once you’ve downloaded and unzipped your Bootstrap files, search for a folder called “**dist**.” This folder contains the following:

- **fonts** folder – contains any fonts you will be using for your Bootstrap site
- **js** folder – contains two JavaScript files, required for certain advanced Bootstrap applications
- **css** folder – contains the stylesheets needed for your Bootstrap site

Drag the “**dist**” folder to your desktop or to your flash drive. Rename the folder to something relevant, and get ready to start coding!

Getting Started:

Begin your first Bootstrap page by coding the HTML code below and saving as index.html in your “**dist**” (or renamed) folder. Test in a browser.

```
<!DOCTYPE html>
<html>
  <head>
    <title>My Bootstrap Site | Home</title>
    <link href="css/bootstrap.css" rel="stylesheet" media="screen">
  </head>
  <body>
    <div class="container">
      <h1>Hello, world!</h1>
    </div>
  </body>
</html>
```

Because Bootstrap is designed to be “mobile first,” add the following code in the `<head>` of your document to make it responsive:

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

*Note that all of your content will now go inside `<div class="container">`

Grid System:

The main Bootstrap layout is based on a fluid grid system that appropriately scales up to 12 columns, depending on the size of the user's screen. This grid system is shown in the code below:

12 Individual Columns:

```
<div class="row">
  <div class="col-md-1">1/12</div>
  <div class="col-md-1">1/12</div>
  <div class="col-md-1">1/12</div>
  <div class="col-md-1">1/12</div>
  <div class="col-md-1">1/12</div>
  <div class="col-md-1">1/12</div>
  <div class="col-md-1">1/12</div>
  <div class="col-md-1">1/12</div>
  <div class="col-md-1">1/12</div>
  <div class="col-md-1">1/12</div>
  <div class="col-md-1">1/12</div>
</div>
```

8-Col / 4-Col:

```
<div class="row">
  <div class="col-md-8">8/12</div>
  <div class="col-md-4">4/12</div>
</div>
```

4-Col / 4-Col / 4-Col:

```
<div class="row">
  <div class="col-md-4">4/12</div>
  <div class="col-md-4">4/12</div>
  <div class="col-md-4">4/12</div>
</div>
```

6-Col / 6-Col:

```
<div class="row">
  <div class="col-md-6">6/12</div>
  <div class="col-md-6">6/12</div>
</div>
```

3-Col / 3-Col / 3-Col / 3-Col:

```
<div class="row">
  <div class="col-md-3">3/12</div>
  <div class="col-md-3">3/12</div>
  <div class="col-md-3">3/12</div>
  <div class="col-md-3">3/12</div>
</div>
```

When placed inside the `<div class="container">`, you will see how each grid system can respond to the size of the browser window. Also notice that each of these combinations add up to 12 (6+6, 4+4+4, 8+4, 9+3). Experiment with different grid combinations.

Navigation:

There are many different options for your Bootstrap navigation. A simple navigation using an unordered list will first require the `.nav` class. For example:

```
<ul class="nav">
  <li><a href="index.html">Home</a></li>
  <li><a href="profile.html">Profile</a></li>
  <li><a href="messages.html">Messages</a></li>
</ul>
```

Tabs: While this navigation may look fine as is, Bootstrap gives you some more options. You can convert this navigation into a tabbed format by adding a `.nav-tabs` class:

```
<ul class="nav nav-tabs">
  <li><a href="index.html">Home</a></li>
  <li><a href="profile.html">Profile</a></li>
  <li><a href="messages.html">Messages</a></li>
</ul>
```

EXAMPLE



Pills: Or, you can go with the “pill” format by adding a `.nav-pills` class:

```
<ul class="nav nav-pills">
  <li><a href="index.html">Home</a></li>
  <li><a href="profile.html">Profile</a></li>
  <li><a href="messages.html">Messages</a></li>
</ul>
```

EXAMPLE



Typography:

All HTML headings, `<h1>` through `<h6>` are available and can be edited in the bootstrap.css file. Bootstrap's global default font-size is **14px**, with a line-height of **1.428**. This is applied to the `<body>` and all paragraphs. And, `<p>` (paragraphs) receive a bottom margin of half their computed line-height (10px by default).

If you'd like to make a paragraph stand out, add the class `.lead`.

```
<p class="lead">Vivamus sagittis lacus vel augue...</p>
```

Many other text classes exist in the bootstrap.css file, including:

<code>.text-left</code>	<code>.text-muted</code>	<code>.text-warning</code>
<code>.text-center</code>	<code>.text-primary</code>	<code>.text-success</code>
<code>.text-right</code>	<code>.text-info</code>	<code>.text-danger</code>

Buttons:

Use any of the available button classes to quickly create a styled button:

```
<button type="button" class="btn btn-default">Default</button>  
<button type="button" class="btn btn-primary">Primary</button>  
<button type="button" class="btn btn-success">Success</button>  
<button type="button" class="btn btn-info">Info</button>  
<button type="button" class="btn btn-warning">Warning</button>  
<button type="button" class="btn btn-danger">Danger</button>  
<button type="button" class="btn btn-link">Link</button>
```

EXAMPLE



You can also add the following classes for additional sizes:

<code>.btn-lg</code>	<code>.btn-sm</code>	<code>.btn-xs</code>
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Images:

Add the following classes to an `` element to style images with rounded corners, into a circle, or into a thumbnail:

<code>.img-rounded</code>
<code>.img-circle</code>
<code>.img-thumbnail</code>

Tables:

For basic styling—light padding and only horizontal dividers—add the base class `.table` to any `<table>`. Use `.table-striped` to add zebra-striping to any table row within the `<tbody>`.

```
<table class="table table-striped">
  <thead>
    <tr>
      <th>#</th>
      <th>First Name</th>
      <th>Last Name</th>
      <th>Username</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>1</td>
      <td>Jacie</td>
      <td>Yang</td>
      <td>@jacieyang</td>
    </tr>
    <tr>
      <td>2</td>
      <td>Jon</td>
      <td>Zmikly</td>
      <td>@jonzmikly</td>
    </tr>
    <tr>
      <td>3</td>
      <td>Cary-Anne</td>
      <td>Olsen</td>
      <td>@_caryanne</td>
    </tr>
  </tbody>
</table>
```

You can also add other classes to your tables, such as:

<code>.table-bordered</code>	<code>.table-condensed</code>
<code>.table-hover</code>	<code>.table-responsive</code>