Introduction to Bootstrap

Bootstrap is an HTML, CSS, and JavaScript framework developed by Twitter to encourage consistency across internal tools.

Prior to frameworks like Bootstrap, developers often pieced together different services, which led to inconsistencies and maintenance unique to each developer’s toolkit. Bootstrap is compatible with the latest versions of all major browsers.

Downloading Bootstrap

You can download the Bootstrap by searching online for Bootstrap or follow this link: http://getbootstrap.com/getting-started/#download

Once downloaded, you have access to all of the Bootstrap CSS, Images, and JavaScript files to start developing your website.

Getting Started with Bootstrap

Less

Bootstrap is modular toolkit which is essentially of a series of LESS stylesheets. A stylesheet called bootstrap.less includes the component stylesheets, and can be adapted to fit your specific needs.

CSS

Bootstrap also provides a set of stylesheets that provide basic styling and uniform formatting for all key HTML elements including text, tables, and forms.

JavaScript

Bootstrap comes with several JavaScript components in the form of jQuery plugins which provide additional user interface (ui) elements such as dialog boxes, tooltips, and carousels.

HTML

Bootstrap is built off a grid-base system, based off 12-equally sized columns with classes that define how many columns to span.
With the Bootstrap 3, it focuses on a mobile-first framework, and natively scales your site from smallest (sm) viewport, to a medium (md) viewport, and also a large (lg) viewport. Additional viewport sizes are available as well.

**Three Equal Columns Example:**

```html
<div class="row">
  <div class="col-md-4 col-sm-12">Column 1</div>
  <div class="col-md-4 col-sm-12">Column 2</div>
  <div class="col-md-4 col-sm-12">Column 3</div>
</div>
```

**Three Unequal Columns Example:**

```html
<div class="row">
  <div class="col-md-3 col-sm-12">Column 1</div>
  <div class="col-md-6 col-sm-12">Column 2</div>
  <div class="col-md-3 col-sm-12">Column 3</div>
</div>
```
Simple Bootstrap Website Example

```html
<!DOCTYPE html>
<html>
<head>
<title>Bootstrap Example</title>
<meta charset="utf-8" />
<link rel="stylesheet" href="css/bootstrap.min.css" />
</head>
<body>

<div class="container">

  <div class="row">
    <div class="col-lg-12">
      <h1>Header</h1>
    </div>
  </div>

  <div class="row">
    <div class="col-lg-8 col-md-6 col-sm-12">
      Article
    </div>
    <div class="col-lg-4 col-md-6 col-sm-12">
      Aside
    </div>
  </div>

  <footer>
    <div class="row">
      <div class="col-lg-12">
        <p>Footer</p>
      </div>
    </div>
  </footer>

</div>
```