

# Adult Bootcamp-WE:102016

*HTML, CSS, JScript, Bootstrap 3, and GitHub/Application*

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## OVERVIEW & PURPOSE

We will focus for 13 weeks learning the terminology and application for creating HTML5 web pages.

## EDUCATION STANDARDS

1. Using and understanding web terminology
2. Using web design tools.
3. Applying web standards

## OBJECTIVES-102016

1. What is Bootstrap?
2. What is Responsive Web Design?
  - a. Responsive web design is about creating web sites which automatically adjust themselves to look good on all devices, from small phones to large desktops.
3. Bootstrap History
  - a. Bootstrap was developed by Mark Otto and Jacob Thornton at Twitter, and released as an open source product in August 2011 on GitHub.
4. Bootstrap CDN
  - a. If you don't want to download and host Bootstrap yourself, you can include it from a CDN (Content Delivery Network).

b. MaxCDN provides CDN support for Bootstrap's CSS and JavaScript. You must also include jQuery:

1. Bootstrap Grid System
  - a. Bootstrap's grid system allows up to 12 columns across the page.
2. Typography
  - a. List groups
    - i. Description Lists: dl
    - ii. Unordered list: ul
    - iii. Ordered list: ol
    - iv. Badges and labels
    - v. List groups
3. Jumbotron Inside Container
4. Glyphicons and Font Awesome
5. Images
  - a. Responsive images
  - b. Image gallery
  - c. Responsive embeds
  - d. Aspect ratio
6. Panels
  - a. A panel in bootstrap is a bordered box with some padding around its content:
7. Navbar
  - a. Navbar-default
  - b. Navbar-inverse
8. Media objects
9. Carousel
10. Modal
  - a. The Modal plugin is a dialog box/popup window that is displayed on top of the current page:
11. CSS
  - a. Responsive Web Design
  - b. CSS color values
12. Grid system

## **MATERIALS NEEDED**

1. Laptop
2. Internet Access

3. GitHub account
4. Flash drive (optional)
5. Sublime text application

## VERIFICATION

*Steps to check for student understanding*

1. Class review
2. Completion of Lesson 3 assignment, due 11/10/16

## ACTIVITY

*Describe activity that will reinforce the lesson*

1. Class review (10.17.16)
2. Homework: work on Lesson 3 project

**Class Project: Lesson 3**

**Due Date: 11/10/2016**

**Top Navigation Website**

Our 3<sup>rd</sup> project will consist of a 5 page top navigation site based on the following criteria:

Theme: Cheesecake

Top Navigation with a logo in the nav-bar. Change the color of the nav.

5 links to include:

1. Home
  - a. Jumbotron
  - b. Carousel
    - i. Must be 3 images with same optimization of images
    - ii. A Descriptor for each image
      1. It can be colorized
  - c. 6 images of assorted cheesecake varieties
    - i. Captions for all images
2. About Cheesecake

- a. A blog style page with images describing a minimum of 6 varieties of cheesecake.
  - b. Use Media objects for the layout
  - c. Include a video with responsive embed-16by9
3. Gallery
    - a. Create a 12 image gallery page that morphs to a larger image
4. Recipe
    - a. 6 recipes for 6 cheesecakes in a PDF format. Use media object to display access to the recipes
5. Contact Us
    - a. Create a contact page with the following:
      - i. Using font awesome create the following buttons:
        1. a twitter
        2. Pintrest
        3. Facebook
        4. Youtube
      - ii. A map of directing people to launchcode

Our resources will include:

- <https://github.com/>
- <http://www.w3schools.com>
- <https://startbootstrap.com/>
- <http://drastudio.github.io/url-generator/>
- <http://fontawesome.io/>
- [www.nkcurlett.com](http://www.nkcurlett.com)
- You will need GitHub desktop application for this process

a.