

Adult Bootcamp-WE:102716

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-102716

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:

Review This Week.

1. Typography
 - a. List groups
 - i. Description Lists: dl
 - ii. Unordered list: ul
 - iii. Ordered list: ol
 - iv. Badges and labels
 - v. List groups
2. Jumbotron Inside Container
3. Glyphicons and Font Awesome
4. Images
 - a. Responsive images
 - b. Image Gallery
 - c. Responsive embeds
 - d. Aspect ratio
5. Panels
 - a. A panel in bootstrap is a bordered box with some padding around its content:
6. Navbar
 - a. Navbar-default
 - b. Navbar-inverse
 - c. How to adjust the background and font colors:
 - i. /*nabar background and font colorization*/
 - ii. .navbar-inverse{
 - iii. background-color:#069;
 - iv. }
 - v. .navbar-inverse .navbar-nav > li > a{
 - vi. color: #f00;
 - vii. }
 - d. /*added background image here ../images/g5.jpg*/
 - e. .page-header {
 - f. margin:0px;
 - g. height:70%;
 - h. padding:0px;
 - i. color: #f00;

- j. text-align: center;
 - k. background-color: #159957;
 - l. background-image: url(../images1/g5.jpg);
 - m. background-repeat: no-repeat;
 - n. background-size: cover;
 - o. }
7. Adjusted the navbar to fest at the top of the page:
- a. navbar > navbar-fixed-top{
 - b. margin:0px;
 - c. padding:0;
 - d. }
8. Page header background color:
- a. /*added background image here ../images/g5.jpg*/
 - b. .page-header {
 - c. margin:0px;
 - d. height:70%; /*adjusts the image height*/
 - e. padding:0px;
 - f. color: #f00;
 - g. text-align: center;
 - h. background-color: #159957;
 - i. background-image: url(../images1/g5.jpg);
 - j. background-repeat: no-repeat;
 - k. background-size: cover;
 - l. }
9. Media objects: /*will use primarily for the about and recipe pages.
10. Carousel
11. Modal
- a. The Modal plugin is a dialog box/popup window that is displayed on top of the current page:
12. CSS
- a. Responsive Web Design
 - b. CSS color values
13. 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 3rd 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
- You will need GitHub desktop application for this process
 - a.