

8.5 READ: Final Project Specification

Purpose:

In accordance with the CTEC 126 Syllabus a Final Project is to be completed by all students. This document describes the Final Project Specifications and what each student will need to complete prior to Monday, June 15, 2015 (2:00PM)

Students will be required to demonstrate to the instructor on or before **Wednesday, June 3, 2015** a stubbed out version of their final project. Students who fail to have this completed will lose 20% of their grade for the project.

The rubric for the final project will be shared shortly

Submission:

Your project should be uploaded to the Final Project Assignment Upload that will appear in Module 10.

Instructions:

Using your HTML, CSS, JavaScript and other web development and graphic skills, each student is to develop 5 web pages that will demonstrate their knowledge and comprehension of the JavaScript and jQuery topics covered in CTEC 126. There are 7 pages that are described in the Details section. You are to choose 5 pages from the 7.

During Week 9 all students are required to meet with the instructor to discuss their game plan on how best to complete this project.

These web pages should include **all of the following elements and should all use the same design theme (colors, layout, navigation, branding etc.). The entire site should look professionally. Sites that show little to no design effort will not receive full credit.**

Details:

- **Create a page** with a form on it. The form should contain inputs, radio buttons, checkboxes and combo boxes. All fields on the form should be validated before allowing the form to be submitted. Students can use JavaScript or jQuery to perform validation however, jQuery is preferred. Your form should post to: <http://ctec.clark.edu/~belgort/formprocessing/processform.php>. You CANNOT use the form you created as part of your Week 7 homework. Create a form that matches the theme of your overall site.
- **All pages** should use a jQuery menu plugin for navigation. Explore the many jQuery menu plugins available and select one that fits the design of your pages. Here are a few for you to consider:
 - <http://www.smartmenus.org>
 - <http://www.1stwebdesigner.com/design/jquery-navigation-plugins/>
 - <http://www.1stwebdesigner.com/css/36-eye-catching-jquery-navigation-menus/>
 - <http://cssmenuaker.com/jquery-menus>
 - <http://www.designrazzi.com/2013/jquery-menus-plugins/>
 - jQuery UI Menu - <http://jqueryui.com/menu/>
- **Create a page** with a photo library on it. Use either FancyBox2, Lightbox2 or another jQuery plugin for this. Your image library page should contain no less than 9 pictures.
- **Create a page** (or incorporate on another page) that contains no less than five RSS feeds on it. Use the [ZRSS jQuery plugin](#) to do this. To learn more about RSS feeds and what they are visit this

page: http://en.wikipedia.org/wiki/RSS_feed

- **Create a page** that has a dashboard of news. Use arrays to store the news data and use intervals to swap out news stories every 60 seconds. Have at least four blocks of news that get updated.
- **Create a page** that demonstrates the use of jQuery Ajax requests. More on this Week 8/9.
- **Create a page** that utilizes Google Maps using the .goMap() jQuery plugin. Have at least 4 markers on the page along with some marker popups.
- **Create a page** that employs a chart on it using <http://www.highcharts.com>
- **All pages** should contain two buttons that will increase and decrease the font size of all elements on the page. You can see this on many websites. Place the buttons at the top of the page. Do not copy the midterm solution provided by the instructor.
- All HTML and CSS should validate using the W3C validators.