ITMD-461
Final Project Specifications

The goal of this project is to put a little of everything that we learned throughout the course together in a single project. Below are the minimum requirements for the final project. This is an individual project, make sure you turn in your own work and it is not just like anyone else's.

If you have something you want to do in mind that deviates from this document make sure you talk to me before it is due so I can approve what you what to do.

You will be building a multipage site that has some form of navigation that links all the pages together. Make sure all your pages are in the navigation and there are no "dead ends" where I can't navigate to the other pages. There needs to be a minimum of 4 pages with a consistent design and style. The primary home or index page will be a introductory page for the project and link to the other 3 pages. Make sure I can always get back to the home page or any other page from each page.

Requirements:
1. Minimum of 4 HTML pages. One page should be a home/index page that serves as the site homepage and as an introduction to the project or site. All four pages should share a similar design. The home/index page might need a different design but still similar to your other pages.
2. Use external style sheets and external JavaScript files.
3. You must use images of your choice throughout the site.
4. You must use at least one custom font from somewhere like Google or Font Squirrel.
5. Make sure you add sufficient styles to the page so they do not appear to look like the elements are styled with browser defaults. Really try to get CSS styles on everything.
6. Use proper HTML5 syntax and document structure.
7. You need to add content of your choosing to the pages so that have information on them. If you need text copy and don't know what to write you may use Lorem Ipsum fake text. Google Lorem Ipsum and you will find sites that will generate it for you. You should have headlines and some text content on all pages.
8. You need to have some kind of navigation on all of your pages that links them all together. Think about our in class demo and how we used a navbar, secondary text nav, and a logo to all be ways to click and navigate. Think about navigation on websites you visit and what is common practice. Feel free to use a common header and nav on all your pages. You may decide to make the home/index page unique though.
9. I would suggest you try to use a 960-fixed column layout at a minimum since this is the most common type you might need to do some day. Feel free to explore other layout options including fluid, multicolumn, and grid. If you want to explore using bootstrap as a starting point you can. Just make sure you override a lot of the default styles so I see custom CSS.
10. On one of the three pages you need to have an HTML form on the page. I expect you to apply CSS styles to the form elements so they do not look like the browser defaults for

the most part. Text boxes and labels defiantly should be styled. Checkboxes, Radio, and select can be a problem. Everything should appear to be nicely laid out and in general things should line up.

11. On one of the three pages you need to add a Google Map. You must use the Google Map JavaScript API as demonstrated in class, do not just use a map embed code. Please try to style page nicely so the map looks like it belongs on the page. Do not just throw the map on the page without thinking about how it fits and looks. Pick a unique location to center your map on; we see in the demo how we can get the GPS coordinates for anywhere we want. I expect no two maps to be centered on the same location, do not use another students code. I will be watching for identical maps. On your map you either need to use a custom marker or info window as demoed in class. DO NOT use the IIT address I use in the class demo and DO NOT use the default address Google maps uses if you don't specify one (I think it is Sydney).

12. On the last of the three pages you need to do **ONE** of a few options.
    a. Add a significant amount of HTML content and style it very nicely with CSS. This could be text and images, data in tables, video embeds or any other form of content. The important thing here is there needs to be a good amount of content and it needs to be styled nicely.
    b. Add a JavaScript or jQuery slideshow. I will probably mention a few jQuery slideshow code libraries you can use in class but it will probably be in the second to last week right before this is due so don't wait. Search google for "jQuery slideshow" and you will find many posts listing numerous code libraries. You can then read the documentation and figure out how to get it working. Make sure the slideshow looks nice and is nicely presented on the page but it can be the only content.
    c. Do a page that demonstrates JavaScript of jQuery event handling by having elements on the page you can interact with (hover, click, etc.) and cause a reaction to other elements on the page and change them somehow. Have a few examples of event handling to make it interesting

13. Zip all your site files together and upload the zip to the blackboard assignment. I would suggest trying to unzip your files to a different location just to make sure you didn't miss anything in the zip before you upload it.

I know it sounds like a lot but it really isn't. Please put in a lot of effort here. You should feel proud to show this as an example of what you know. Do your own work. I don't expect to see any two sites that are alike.

When I grade these I will first look to make sure you followed all directions and included all requirements. Then I will look and the syntax of the markup and code. Finally I will look at the quality of the work provided and how much effort you put in to the project.

This will be due the last day before finals week begins. The date is in the blackboard posting. Remember per the grade weighting in the syllabus this project will be weighted as 25% of your final grade.