Web Development Individual Project

Due: 5:00pm on Friday, November 7th

100 points

Your individual project will be the development of a website that provides a reference or tutorial for some topic of your choosing. Your topic can be anything you are interested in but must be approved by the teaching assistant. Your topic should be fairly specific so that you can create a website to fully explain it without relying on too many outside sources. All material must be original or given a proper citation. It is fine to create a website similar in topic to another website but your website must be clearly distinguishable from other websites. Things that can distinguish your website: the content, what content you emphasize and the presentation of the content.

The goal of the site will be to provide a reference or tutorial to someone who knows little about the topic but is interested in it.

The following are the criteria for which your website will be graded.

1. You will need to following general principles and guidelines for good web design as described in class.

2. You must select appropriate content for your website. As you research your topic and add content to your own site, you must give attribution to all of your sources. Understand that plagiarizing content from other sites is not only unethical, but in many cases it is also illegal as an infringement of copyright protections.

3. Your website should be mostly self-contained. This means you shouldn't have to link to other websites to explain a concept or topic that isn't covered on your website.

4. Page layouts, colors, text styles and your overall presentation should be appealing. The "look and feel" of the website should be consistent. Do not have black backgrounds with white text on one page and blue backgrounds with yellow text on another page. The pages should be consistent unless there is a good reason to make them different.

5. Your end user may have accessibility limitations. For example, you should ensure the website experience is just as enjoyable for someone who is blind.

6. You can assume the end user will use current versions of all web browsers. You do not need to account for anyone using IE5. If they are using IE5, they deserve a bad user experience.

7. There is no minimum to the number of pages that your website should have however your topic should be fully explained. It may be possible to have 1 page and use a lot of AJAX calls to bring to the client. Do not be concerned with page limits, simply make an enjoyable website.

8. You must have an appropriate navigation structure. It should be easy to get around your website.

9. Your site must have original background images incorporated for a professional appearance. You may need to learn and use image editing software to accomplish this.

10. Your website must have several images to accompany your content.

11. Your website must include audio and video multimedia. These files do not have to be original but you must cite your source if you use another site's material. Make sure the material is able to be used. Don't steal copyrighted material.

12. Your site must validate with HTML5 and CSS3. All pages must have a verifier link on them to ensure the pages are correct.

13. You must have links to similar websites with additional or corroborating information. Each link should have some description so the user knows what is on each site. Do not just say: "Go here for more information."

14. Your code must run on the webdev server.

These are some important dates for you to remember.

- **5:00pm, September 15th, 2014** - Your topic must be approved by the teaching assistant by this time. This is worth 2 points.

- **5:00pm, October 16th, 2014** - You must meet with the teaching assistant and show him your progress on the website by this time. You should have a good chunk of your content done and a good amount of the presentation should be done. This is worth 23 points.

- **5:00pm, November 7th, 2014** - Your website must be completed and uploaded to the webdev server by this time. You must also upload a zipped file containing all of your code to the d2l dropbox by this time. This is worth 75 points.