COMP 4610 GUI I

Assignment No. 4
Styling Your First Web Page With CSS

Date Due: **Tuesday, October 4, 2016**

What This Assignment Is About

This assignment builds on Assignment No. 2. You are to enhance that page with additional HTML techniques and apply CSS to your HTML to give your page some basic styling.

Information relevant to this assignment appears in *CSS: The Missing Manual* by David Sawyer MacFarland in Chapters 1-3, 6 and 7. We obviously can't cover all that material in class before the assignment's due date, but by reading these chapters and looking at examples on the W3Schools website, specifically the tutorials at www.w3schools.com/css and www.w3schools.com/css3 you should be able to fulfill the assignments requirements.

What You Are To Do

1. Make sure you have read the first two chapters of the textbook carefully and Chapter 3 up to at least the middle of page 68 (page 57 in the 2nd edition). Then read Chapter 6 and 7. I strongly advise you to do the tutorial that begins on page 178 (page 138 in the 2nd edition), at least through page 188 (page 144 in the 2nd edition). It will really help you learn.
2. Redo the page that you created for Assignment No. 2 or create a totally new page from scratch. The page you choose must be "rich" enough to provide you with ample opportunities to style elements. You may even wish to use a page created by someone else and add styling to that page. Of course, if you choose a page that you did not initially create yourself, identify its source and author (or company if you can find an author named).
3. Using the techniques discussed in the textbook and in class, style the text on the page you have chosen as you see fit. Explore the various CSS text properties and their possible values discussed in the book and listed at http://www.w3schools.com/cssref/default.asp#text. If you have a friend who is artistic, you are welcome to ask him or her for help, of course naming that person in your code documentation to give him or her credit for his or her input.

Code Criteria

- Your CSS code must be in a separate file from your HTML file, in a subdirectory name **css**. This is the industry-standard way to organize websites. You might use inline CSS and/or an internal style sheet during development, but you must move all your CSS to a separate, external file before you submit your assignment. That external file should have an extension of `.css`.
- Your CSS code must be documented to the same standard we have used for HTML. That is, major sections must be documented to identify what they are styling. You should ***not*** document each individual CSS rule. Assume that that reader of your documentation knows CSS, but that he or she is not familiar with the way you're using it.

- Test both your web page and your CSS code using the W3C Validators:
    - HTML5 Markup Validation Service: http://validator.w3.org or http://validator.nu
    - W3C CSS Validation Service: http://jigsaw.w3.org/css-validator

    Your code must pass both validators. When it does, add the W3C validation icons to your page.

Code Review

- You can learn an awful lot by just having someone else look at your page and try it out. If you do this assignment before the due date, there is no reason why you can't ask a classmate to review your work for

you. I strongly suggest that you do this, and that you do so early enough to allow time to make the changes that he of she recommends that you also agree with.

Submitting Your Assignment for Grading

Please follow these directions carefully. Incorrectly submitted assignments will not be given appropriate credit.

To submit this assignment you must go to our course blackboard and submit prior to the deadline. Please submit all related files and also a link to your styled site.

How You Will Be Graded

This assignment will be graded on a 20-point system with points awarded as follows. Please note that the lists of features provided below are not meant to be exhaustive. They are merely representative of the types of things we are looking for in each grading category. Also note that 4 of the 20 points, or 20% of your grade, is awarded for documentation.

Again I stress that your page need not be the most beautiful page on the Web, although it's of course fine to strive for that! This is not an art class, and again I am very aware that some students enter this class with significantly more experience with Web programming techniques than others. I strongly encourage experienced students to do the basic assignment first and then push themselves to learn and try out new techniques. I encourage inexperienced students to look at others' work and emulate it where appropriate, of course being sure to cite your references and give credit where credit is due. As always, all students should be able to score all 20 points on this assignment, regardless of what you knew before you took this course.

Criteria	Possible Points
Program Integrity / Design • page displays properly as intended from the weblab.cs.uml.edu server (1 point) • source code for all files is visible on the web and/or accessible via links on the assignment or index page (1 point) • all CSS resides in a separate file with an extension of `.css` in a subdirectory named `css` (2 points) • page exhibits creativity and effort, not just trivial implementations (8 points) • page validates using the W3C Markup Validation Service (2 points) • page validates using the W3C CSS Validation Service (2 points)	16
Source Code Documentation and Formatting • user name and pertinent contact information appear in all source files • code is logically organized • all files contain adequate explanatory documentation • all files have adequate white space for readability • all files are properly indented and formatted • all documentation is meaningful and does not merely echo code • ***any sources used are cited in comments embedded within code***	4

* This assignment is based on 91.461 by Prof. Heines.