

CSCI 6961: Client-Side Web Development and Programming

Assignment 2: Cascading Style Sheets

Due March 2

Introduction

This assignment is meant to give you practice designing and implementing CSS styles and **positioning**.

You have a choice of either implementing the assignment below, or implementing a web site of your own choosing (perhaps related to the final project). See below for requirements if you wish to do something different.

Simple YSU Guide: Specifications

This assignment will be an extension of the “YSU web site” assignment you just completed. In this assignment you will use CSS to modify it, creating a distinctive but consistent “look” for the web site.

Design (10 points)

You are to use CSS as much as possible to define a consistent and comprehensible *design* for your site. Specifically:

- Create a **consistent appearance** for your pages in terms of color, fonts, sizes, positioning, etc.
- On the other hand, use CSS to make different types of pages somewhat distinct within your site. Specifically, the pages for the **individual departments** should have a **similar appearance**, but should be **slightly different** from the image map pages, the table of schools, etc. However, the overall “look” should be similar enough to make it clear to the user that they are on the same site.
- In particular, the **table** that you created last time should use styles in such a way to enhance its appearance.

Feel free to look at other web sites for inspiration on styles and positioning. However, the final design and implementation must be your own. In particular, you are *not* to use any of the built-in stylesheet templates in DreamWeaver.

Required CSS Style Elements (10 points)

At a minimum, your styles must include:

- At least 3 different **HTML tags**.
- At least 3 different **properties** modified for those tags.
- At least one use of **pseudo-elements** or **pseudo-classes** for navigation.
- At least 2 new **CSS classes**, used in either **SPAN** or **DIV** tags

CSS Positioning for Navigation (12 points)

As with the first assignment, your pages are to contain certain navigational elements:

- o All pages should have links to the campus map, the table of schools, and the YSU home page.
- o All pages should also have a “logo” type of link to the
- o The home page, the campus map, and the table of schools should have a scrollable list of departments.

For this assignment, you are to use **CSS positioning elements** to place the navigation elements in consistent positions, as well as to make them clear to the user. You are also to use CSS to create a scrollable area for the list of departments.

Accessibility (8 points)

- You are to create a separate definitions (perhaps even a separate stylesheet) for “printable” pages. These pages should obviously use colors in different ways than your main stylesheet.
- Your styles should *enhance usability*. That is, use relative measures where possible, and be careful in the use of color.
- Finally, your site must *still be usable* if CSS is **not available**.

Implementation (5 points)

- Your web pages should all link to an **external style sheet**. That is, there should be *no* CSS definitions actually on any of your web pages.
- Your pages and your **external style sheet** should be **well documented**, describing what they do and how they work.

Creativity and Complexity (5 points)

As always, you are encouraged to be as creative as possible, as well as to explore as many aspects of html as possible. For a grade of 100%, you will need to go beyond the basic requirements above. This can include:

- Additional CSS styles* that we did not cover in class.
- Particularly well-designed and complex uses of CSS positioning.

Please talk to me if you have any questions or ideas. Also make sure that anything “extra” that you do is *described clearly* in your documentation.

Designing Your Own Project

You are free to design your own project instead of the one described above – in fact you are encouraged to do so, particularly if you can use it to get a start on your final project. However, it must meet the following requirements:

- It must use a well-positioned and designed navigation system, based on CSS positional elements, and including at least one scrollable elements.
- It must use CSS style elements to create a coherent overall “look” for your site, but with a slightly different look for different types of pages on your site.
- It must meet all of the accessibility guidelines listed above.

In other words, it must be at least as difficult as the project described above. If you have any questions about whether your project would be suitable for this assignment, *please see me first*.

What to Turn In

Turn in a floppy/CD with *all* files (including images) required to view your web site.

As an alternative, you can mount your site on a server, as long as I have access to all source code.