

# DWS +Lab 2

## DWS - Lab 2 - Typography

### **Overview:**

Lab Activities are a primary means of assessing your understanding and implementation of the concepts and objectives of this course. You will need to have completed all of the previous research and lab activities to accomplish each of these activities. This document is only intended to guide you through the sequence of steps. The actual implementation of how to accomplish each step is left to you and has been covered extensively in your previous lectures, research, reading, and Lynda.com video assignments.

### **Objective:**

Further your understanding of CSS text/font-based declarations. You should be comfortable using various selectors at this point. Being able to utilize the various typographic treatments available with CSS brings you one step closer to designing visually rich, modern websites. You will demonstrate the use of currently supported CSS3 techniques in addition to CSS 2.1 properties and values in this assignment.

### **Instructions:**

Please consider following the sequence of steps listed below to complete this activity.

**Step 1.** Download the Lab2 zip file which contains any HTML needed for this activity.

**Step 2.** Rename the unzipped directory to reflect the submission requirements. Create a new CSS directory within the directory you just renamed and place a new CSS file in that location.

**Step 3.** Link your HTML document to this new CSS document. While in the HTML, familiarize yourself with the page structure. Apart from linking the CSS to the XHTML and adding class/id attributes, you will not need to, nor should you, modify the markup. Modification of markup will result in a loss of points.

# DWS +Lab 2

**Step 4.** Using what you have learned, style the HTML however you please using proper CSS syntax and CSS comments. While you may not wish your design to include all of these, it is a requirement that you do so only to become familiar with them. Rest assured, your future projects will not have to include all of these. The CSS properties that should be utilized are as follows:

- color
- background-color
- font
- font-size
- font-family
- font-weight
- font-variant
- font-style
- text-align
- text-decoration
- line-height
- vertical-align
- list-style-type
- opacity
- rgb(a)
- text-shadow
- letter-spacing
- word-spacing
- text-indent
- text-transform

**Step 5.** Ensure that your HTML and CSS files validate against a strict HTML5 DOCTYPE and the CSS specifications. Any CSS3 used will not validate. That is alright. However, errors triggered from invalid CSS 2.1 will receive a deduction.

# DWS +Lab 2

**Step 6.** Ensure that your code is well formed and commented. Erroneous and redundant code will result in a loss of points.

**Step 7.** You will review what you have been taught in lecture today and write a research paper. Your paper will need to be typed in MS Word or similar application. Double spaced, 1" margins, black, 12pt font in Times. You will need to cite your sources on a separate page. Your paper should explore the requirements listed below. Proper grammar and professionalism is expected. Place your completed paper inside the lab directory folder you will be submitting. The paper should be 1.5 - 2 pages in length plus your works cited page.

## **Research Paper Requirements:**

In your discussion, include the following (There are other topics you can address in your paper, but these will get you started, and are required):

- The function and purpose of inheritance
- The function of specificity and how it applies
- How to calculate specificity
- How to over-ride specificity
- Discuss why source order is important
- Discuss the origin style sheets involved in the cascade and how they apply
- There are other topics you can address in your paper, and I encourage you to do so

## **Final Hand-in:**

Upload your completed document to your git repo on github. Create a text file and provide the link to your repo and gh-pages branch in this file. Place this text file within your lab directory and submit this in a zip file named lastname\_firstname\_lab2.zip to [afp://dropbox.fullsail.com](mailto:afp://dropbox.fullsail.com) placing your file in the DWS directory. When unzipped, a folder with the same naming convention should be displayed and I should find the index.html file, a text file with git repo and gh-pages link, a css directory with a css file inside, and a research paper.

**Assignments are always due prior to the start time of the following lecture. Failure to upload assignments correctly and/or on time will result in a zero for the assignment.**