CSS Element Formatting

In this lab, you'll demonstrate your understanding of concepts presented in chapter 4, and begin adding CSS formatting to page(s) of your own design. You may continue to use the page started last week in lab #2 or you may begin with a fresh start. The choice is yours!

Getting Started

1. Read chapter 4 in the *Murach* textbook.
2. Download the **CS125hLab03.zip** file from Moodle and extract its contents onto your drive.
3. Rename the folder **YourLastName-CS125hLab03**.
4. Open the folder to explore its contents. The murach_ch04 folder contains files you'll need to complete practice activities from the end of each chapter. The hands-on folder will be where you store your self-generated web page (and any related files).
5. Add subfolders that you think are appropriate to the hands-on folder. You will need one folder to organize your CSS files and potentially another folder to organize your image files.

Add Style to an Existing Web Page (40 points)

6. Follow the directions to format the structured home page for the San Joaquin Valley Town Hall page that begin on page 140 of the textbook, with the following modifications:
   a. Add an HTML comment to the **head** section of the c4_index.html page that includes your name, the date, and CS 125H - Lab 3
   b. Add a CSS comment to the very top of the c4_main.css file (in the styles folder) with the same info.
   c. The index.html file, basic.html, and main.css files are located within the *town_hall* folder inside the *CS125hLab03* folder that you downloaded. The HTML file is in the root of the *town_hall* folder, the basic.html file is in the *town_hall/templates* folder and the CSS file is in the *town_hall/styles* folder.

Creating Your Own Styled Page (40 points)

7. Create a structured web page in your text editor (or open the page you worked on last week) and save it inside the **YourLastName-CS125hLab03/hands-on** folder as **index.html**.

8. Create a CSS file in your text editor and save it in an appropriate subfolder of the *hands-on* folder. The filename should follow good web naming conventions, but is of your own choosing.

9. Add a *CSS* comment to the external stylesheet containing your name, the date, and "CS 125H - Lab 3"

10. Link your index.html file to the external stylesheet.

11. Add styles to the stylesheet that format the page elements. Demonstrate each of the following in some way:

    a. Use of a plain element selector to format all of the instances of that element the same way

    b. Use of a nested element selector to target only those elements on the page contained within another element (all of the paragraphs in the aside section, for example)

    c. Use of a pseudo-class or pseudo-element selector to target only those elements in a particular state (when hovered over, or the first letter of a paragraph, for example)

    d. Use of an id selector to format a single, unique element

    e. Use of a class selector to format a group of disparate elements

    f. Change the font (typeface, size, style, etc.) of one or more elements

    g. Change the color of one or more elements

    h. Change the alignment of one or more elements

12. Validate your HTML page and correct any errors.

13. Compress (zip) the *YourLastName-CS125hLab03* folder and upload through the appropriate link in Moodle. To zip a folder, right-click on the folder and select Send To > Compressed (zipped) folder. This will create a new file with the same name as the folder, but with the .zip file extension added and a zippered folder icon.

Weekly Discussion (20 points)

Topic: You're a Published Web Designer!

Create a post that contains the URL to your first published page, and take a bow! Note that if you paste in a complete URL (including the http:// protocol statement), Moodle will automatically convert that into a clickable link, which will make it easy for us to admire your efforts.

View and comment constructively on the work of at least two other students. Constructive comments acknowledge what you liked about the page/topic/design as well as what could be improved or expanded, or questions for the designer to consider. Commenting on other students is a **required** part of this assignment. In order to be considered on time and complete each student must have:

- One primary post containing a working link to their published page by Tuesday of this week
- Two secondary posts commenting on the links posted by other students by Thursday of this week.