CSS Box Model

In this lab, you'll demonstrate your understanding of concepts presented in chapter 5, and enhance your previous CSS with the box model technique discussed in the chapter. You may continue to use the page started last week in lab #3 or you may begin with a fresh start. The choice is yours!

Getting Started

1. Read chapter 5 in the *Murach* textbook.
2. Download the **CS125hLab04.zip** file from Moodle and extract its contents onto your drive.
3. Rename the folder **YourLastName-CS125hLab04**.
4. Open the folder to explore its contents. The *town_hall* 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.

Adding Box Model Concepts to an Existing Web Page (40 points)

6. Follow the directions in Exercise 5-1 and 5-2 to improve the format of the San Joaquin Valley Town Hall page that begin on page 171 of the textbook, with the following modifications:
   a. Add an HTML comment to the **head** section of the index page and a CSS comment to the top of the stylesheet that includes your name, the date, and CS 125H - Lab 4
   b. The index.html and main.css files are located within the *town_hall* folder inside the *CS125hLab04* folder that you downloaded. The HTML file is in the root of the folder and the CSS file is in the *town_hall/styles* folder.

Adding Box Model Concepts to Your Own 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-CS125hLab04/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 or move an existing CSS file into the folder. The filename should follow good web naming conventions, but is of your own choosing.

9. Add (or modify) a comment to the external stylesheet containing your name, the date, and "CS 125H - Lab 4"

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

11. Add styles to the stylesheet that use the box model concepts to improve the visual appeal and readability of your page. Demonstrate each of the following in some way:
    a. Borders
    b. Padding
    c. Margins
    d. Specifying dimensions (width and/or height)
    e. An interesting background effect
        - Gradient?
        - Background image?
        - Layering transparent colors?
        - It's up to you!

12. Validate your HTML page and correct any errors.

13. Compress the YourLastName-CS125hLab04 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: Wireframes

Create a post that contains each of the following:

1. A quick reminder about the overall topic of your website
2. The 1 or 2 website user problems that you were focused most on solving when building your wireframe
3. An attached graphic that shows us the current draft of your wireframe

View and comment constructively on the work of at least two other students. Constructive comments acknowledge what you liked about the design as well as what could be improved or expanded, or questions for the designer to consider. Do you feel like the wireframe adequately solves the problems the developer listed? Are there ways the information could be better structured to more fully or more efficiently solve the problems? Do you think the problems listed are the most important for who you picture the target audience to be?

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 an attached wireframe graphic by Tuesday of this week
- Two secondary posts commenting on the wireframes posted by other students by Thursday of this week.