

CSS Layout

In this lab, you'll demonstrate your understanding of concepts presented in chapter 6, and enhance your previous CSS with the layout techniques discussed in the chapter. You may continue to use the page started last week in lab #4 or you may begin with a fresh start. The choice is yours!

Getting Started

1. Read chapter 6 in the *Murach* textbook.
 2. Download the **CS125hLab05.zip** file from Moodle and extract its contents onto your drive.
 3. Rename the folder **YourLastName-CS125hLab05**.
 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.
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Adding CSS Layout Concepts to an Existing Web Page (40 points)

6. Follow the directions to improve the format of the San Joaquin Valley Town Hall page that begin on page 205 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 file that includes your name, the date, and CS 125H - Lab 5
 - b. The index.html and c6_main.css files are located within the *town_hall* folder inside the *CS125hLab05* 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.
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Adding Layout 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-CS125hLab05/hands-on** folder as **index.html** or begin creating a new page with the name of your choice.
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 5"
10. Link your index.html file to the external stylesheet.

11. Add styles to the stylesheet that use the layout concepts to improve the visual appeal and readability of your page. Demonstrate each of the following in some way:
 - a. Use of width and floats to create an area of the page with side-by-side objects
 - b. Use of a clear property to create an area of the page that is not affected by one or more floats
 - c. Use of the position property to change the default position of an element
 - Absolute?
 - Fixed?
 - Sticky?
 - Up to you!
 12. Validate your HTML page & CSS file and correct any errors.
 13. Compress the YourLastName-CS125hLab05 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.
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Weekly Discussion (20 points)

Topic: Making Progress

Creating the web page of your dreams or, at least, of your wireframe can be a bit intimidating. We're going to break it down into stages. This week:

1. Create all the HTML code you think is necessary to "mark up" each content area you identified in the wireframe. Use good, semantic code choices (header, nav, section, article, etc.) to identify broad categories of content.
2. Separate the required CSS to achieve your layout into three categories:
 - Things you know how to do already
 - Things you have a good idea of how to start
 - Things you'll need to do more research on to complete

When you've finished these steps, create a discussion forum post here that:

1. Has your wireframe attached

This will likely be the same info you posted last week. You're reposting it here for convenient reference to maximize the helpful feedback you'll get from others.
2. Has your initial HTML code attached
3. The body of your post should discuss which of your layout items fall into each of the three categories.

Respond helpfully to the posts of at least two other students. You may want to include a link to a resource that you've found helpful, shed light or provide confirmation that the posted starting point

will work for the desired layout, comment on any improvements you might suggest for their semantic HTML markup, or suggest items to add to the "will need to be researched" list, or ask questions you have about how the wireframe, HTML markup, and CSS are connected. This is a graded part of the activity. All students will need 1 content post by Tuesday and at least 2 response posts by Thursday.