

## Working with Tables

In this lab, you'll demonstrate your understanding of concepts presented in chapter 12, and enhance your previous pages with the table techniques discussed in the chapter. Since we're taking chapters a little out of order you'll need to start the lab with the files provided in Moodle.

### Getting Started

1. Read chapter 12 in the *Murach* textbook.
  2. Download the **CS125hLab07.zip** file from Moodle and extract its contents onto your drive.
  3. Rename the folder **YourLastName-CS125hLab07**.
  4. Open the folder to explore its contents. The *murach\_ch12* 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 a Styled Table to an Existing Web Page (40 points)

6. Follow the directions to improve the format of the San Joaquin Valley Luncheons page that begin on page 417 of the textbook, with the following modifications:
    - a. Add an HTML comment to the **head** section of the luncheons page and a CSS comment to the top of the stylesheet file that includes your name, the date, and CS 125H - Lab 7
    - b. The luncheons.html and main.css files are located within the *murach\_ch12* folder inside the *CS125hLab07* folder that you downloaded. The HTML file is in the root of the folder and the CSS file is in the *murach\_ch12/styles* folder.
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### Adding Tabular Data 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-CS125hLab07/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 7"

10. Link your index.html file to the external stylesheet.
  11. Add HTML to the page and styles to the stylesheet to create a beautifully marked up table. Demonstrate each of the following in some way:
    - a. Tabular data that makes sense within the context of the page, marked up with the appropriate HTML table tags. This could be:
      - A price list?
      - A schedule or calendar?
      - Comparison of two or more products or services?
      - A budget or other report?
      - Up to you!
    - b. The table should demonstrate appropriate use of:
      - Table head tags vs. table data tags
      - The use of thead, tbody and/or tfoot tags to identify major sections of the tabular data
      - The use of a caption to provide a label/description of the table data
      - A cell that spans multiple rows and/or columns (or both)
    - c. The use of styles to create an attractive, easy to read table of data. This is pretty open ended, but at a minimum you should
      - Change the appearance of the table head to distinguish it from the body of the table
      - Change the appearance of the borders and background colors of some sections of your table
      - Work with the :nth-child pseudoclass in one of your selectors
  12. Validate your HTML page & CSS file and correct any errors.
  13. Compress the YourLastName-CS125hLab07 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 More Progress

Continue working on turning your homepage into the page pictured in your wireframe. This week:

1. Add all the styles the you already knew you needed to achieve your wireframe
2. Start all the styles that you had a pretty good idea were needed to achieve your wireframe
3. Begin research on the additional styles you need to complete your idea

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

1. Has your wireframe attached

This will likely be the same info you posted a few weeks ago. You're reposting it here for convenient reference to maximize the helpful feedback you'll get from others.

2. Has a zipped folder with your HTML code & CSS styles attached

3. The body of your post should:

- discuss which elements of your wireframe are complete
- describe what elements you have left to go
- list what resources you are using to research how to complete your remaining steps

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.