

Introduction to the Internet, the World Wide Web, and HTML

In this lab, you'll demonstrate your understanding of concepts presented in chapters 1 and 2 on how the Internet, the World Wide Web, and HTML work. To do so, you'll also begin practicing with viewing and editing an HTML file.

Getting Started

1. Read chapters 1 and 2 in the *Murach* textbook.
 2. Download the Week 1 Lab 1 Files from our CS 125H course shell.
The link is to a zipped file. In order to successfully work with its contents, you'll first need to uncompress (unzip) the zipped file into an uncompressed folder. Double-click the CS125hLab01.zip file. Drag the icon for the CS125hLab01 folder to its desired destination on your computer =or= use the Extract All icon on the toolbar.
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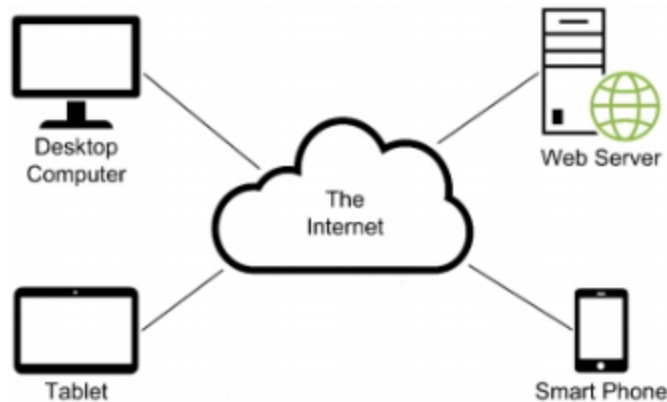
Editing an HTML Document + Concept Review (80 points)

3. Open the **CS125hLab01.txt** file in your text editor and edit the file as follows:
 - a. Add your name where indicated in the page **title** and in the **first level heading** in the **body** of the page
 - b. Add an HTML comment after the title, but still in the head section of the page with the following information:
 - Name
 - Date
 - Course Number/Assignment
 - c. Save the file as **YourLastName-Lab01.html** and close the text editor window. Make sure that you get the file extension changed. You may find it convenient to turn on visible file extensions for the duration of class (how to for [Windows](#) or [MacOS](#)).
4. Open the *YourLastName-Lab01.html* file by double clicking on its icon.
If you have successfully changed the file extension from .txt to .html, the file should open in a browser window. Take a moment to observe the effect of your changes in the browser window tab and viewport. If your file opens up in the text editor again, you may not have correctly saved the file. In the text editor, choose **File > Save As...** and then change the **Save As Type** setting to **All Types (*.*)**. Type *YourLastName-Lab01.html* in the **File Name** textbox and then press **Save**.
5. Minimize the browser window and re-open the HTML file in the text editor. You will not be able to double-click the file to accomplish this, since the changed file extension is registered to your browser application.

Follow the book directions to open the folder in Visual Studio code and then double click on the file from the VS Code file explorer =or= right-click the file icon and select Notepad++ via the **Open With...** command =or= you can use the **File > Open** command from inside of your preferred text editor.

6. Type your responses to the questions posed in the **body** of the HTML file. Please use college-appropriate spelling and grammar, including complete sentences. The answers to the questions can all be found in the textbook. If you are still waiting for textbook access, you may use your search engine skills to track down accurate answers. The diagram below is the diagram referenced in the questions:

The components of a web application



7. Save your changes and view the results in the web browser.
Use your taskbar to restore the minimized browser window. Click the refresh button to see the updates you've made to the web page. The text is squished together and hard to read, since spacing that you add in the text editor is generally ignored by the web browser.
8. Return to the text editor, and add HTML tags as follows:
 - a. Each question should be a **third level heading**
 - b. Each of your answers should be a single **paragraph** (unless you wrote more than one paragraph, in which case, mark each paragraph as needed).
9. Save your changes and view the results in a web browser.
Check your answers for correctness and fluency, and make sure that each HTML addition you made is functioning as needed. Make any fixes necessary in the HTML file.
10. Upload the completed *YourLastName-Lab01.html* file through the appropriate link in Moodle.

Weekly Discussion (20 points)

Topic: Term Project Theme Ideas

Each week, you'll be asked to contribute to a class discussion on a particular topic. Note that typically you will need to create an original post *and* respond to the posts of a couple of classmates in order to earn full points. For this first week, please introduce yourself and post a description of your theme for your term project website. This is pretty open ended, but your response should include:

- Your preferred name (if it is different from the name that displays in Moodle)
- Why you're taking CS 125H
- Your initial idea(s) for a website topic
- Why you've selected it/them
- Any challenges you foresee with the topic(s)
- What you're most excited to create/communicate/demonstrate in your web pages about your topic(s)