

In EVERY file submitted (except graphics files) you MUST place the following information near the top of the page – use JavaScript or HTML comments depending on the file type. JavaScript comments are // (single line) or /* */ (multi-line) HTML comments use <!-- This is a comment. --> CSS files use only multi-line /* */ comments.

Your Full Name
CIS 114 OL
File Name
Chapter #
Assignment #
Date

Your full name must ALSO appear in the title bar when HTML files are displayed in the browser. Use the <title> element in the document head to do this. 1 point will be deducted for each file missing any of the above information.

You have a Linux account on the server.csmcis.net web server. The URL to your home directory is

`http:// server.csmcis.net/~username/filename`

Your username is your my.smccd.edu email username. Your password is your first initial, last initial, and last 4 digits of your G number (unless you already have a Linux account and have updated your password). You will upload files to your public_html directory. Be sure to read the FileZilla instructions. You will need FileZilla (or a similar SSH client program) to connect to server.csmcis.net.

Create a subdirectory named cis114 in your public_html directory on the csmcis server. In that directory, create a chapter11 subdirectory. Create an assign6 folder on your own computer.

- 1. In chapter 11 work through the chapter. You will have to upload and test all files on server.csmcis.net. Note that the contact program won't work even with the correction from the textbook errata. Make the following modifications.**

A) The quote program will not work correctly on the csmcis server because we cannot use the quote.php proxy script. Instead, you will use the URL in quote.php in the browser to get a JSON result containing the stock quote(s). You must get at least 3 quotes (look up stock symbols if you are not familiar with them). In the URL, separate the symbols with a comma to get multiple stock quotes. Strip off the first 3 characters in the result and save it in the resources folder as quote.json. Modify the quote.js file to 'GET' the quote.json file instead of quote.php. Note that because you are getting multiple quotes you will have to iterate over the result. Output the name of each stock and the price. For example:

Apple: \$576.80
Facebook: \$21.18
Google: \$687.92

Upload all chapter 11 files (except the contact files) to the chapter11 subdirectory in your cis114 directory on the csmcis server. Maintain separate directories for the js and css files. Also, place the chapter11 folder in the assign6 folder for upload to WebAccess.

2. In chapter 13 work through the chapter. You must upload and test your files on the csmcis server. Make the following modifications.

Modify the stock program to take one or more stock symbols and display the stock name and price for each stock. In the select statement you will have to use the string containing the stock symbols (put a comma in place of a space between symbols). Output the name and price of each stock (you will have to iterate through the results if there is more than one stock symbol). The price must show only 2 places past the decimal point.

Create a folder named chapter13 and place all files in it. Maintain separate folders for the js, resources, images and css files. Place the chapter13 folder in the assign6 folder. Upload the chapter13 folder to the cis114 subdirectory in your public_html directory. NOTE that the original stock program might not always work – sometimes there is no response so make sure that you see it working before starting to make any modifications. Place the chapter13 folder in the assign6 folder for upload to WebAccess.

Enter one or more symbols in the field below to see the latest price.

Symbol

Apple Inc.: \$547.06
Facebook, Inc.: \$19.21
Google Inc.: \$663.03

3. Download the itunes.zip file from WebAccess. You will need to generate RSS lists with the iTunes Store RSS Feed Generator:

<http://ax.itunes.apple.com/rss>

You will use the itunes demo files as an example for your application, but you must create and use your own feed files (minimum 5 feeds). Note: this application may NOT work in all browsers. It does work in most browsers.

- A. You must generate feeds using Music as the Media Type. The application works with RSS 2.0 feeds so you can ONLY use the following Feed Types: New Releases, Just Added, or Featured Albums & Exclusives.
- B. Use 10 for the feed size (there might be fewer than 10 returned). You should choose different genres and can select different countries, if you like. Save each RSS feed as an XML file. (You can view the source to capture the RSS.) Note: you may NOT use the example XML files downloaded from WebAccess.
- C. You must edit the HTML file using your XML file names, and you MUST change the style and layout (use CSS).

- D. Put all JavaScript code into a separate .js file and save it as itunes.js. Be sure to link to the external JavaScript file in itunes.html.
- E. Link to the ajax.js file from chapter 11 in itunes.html. In itunes.js you must call the getXMLHttpRequestObject function (modify code accordingly).
- F. Remove the inline event handling in itunes.html and instead write a window.onload function in itunes.js to attach the onchange event handlers to the drop-down lists.
- G. Put the CSS into a separate .css file and save it as itunes.css. You must modify the style by adding new selectors and/or modifying existing selectors. Be sure to link to the external CSS file in itunes.html.
- H. Upload all itunes files (including XML files) to the itunes subdirectory in the cis114 directory on the csmcis server. Note: you might want to store the XML files in a subdirectory. Place the itunes folder in the assign6 folder for upload to WebAccess.



SUBMIT: Place the chapter11, chapter13, and itunes folders in the assign6 folder. Then zip the assign6 folder into a single file named assign6.zip and upload it to WebAccess. Make sure that you include ALL FILES. You should try unzipping your zip file to ensure that all files were correctly included. In addition, all files must be uploaded to the csmcis server. Place files in the cis114 subdirectory in your public_html directory. Be sure to maintain separate directories for chapter11, chapter13 and the itunes program.

An easy way to zip in Windows is to right-click on your file and then choose Send To-> Compressed (zipped) Folder

On a Mac follow these instructions to zip your files:

<http://www.macinstruct.com/node/159>

Upload the assign6.zip file to the upload link in WebAccess by the due date/time.

<http://smccd.mrooms.net>

Note: Some sample URLs for username jsmith21 (substitute your own username):

<http://server.csmcis.net/~jsmith21/cis114/chapter11/quote.html>

<http://server.csmcis.net/~jsmith21/cis114/chapter13/stock.html>

<http://server.csmcis.net/~jsmith21/cis114/itunes/itunes.html>

Be sure to use correct directory and file names so that I can test your programs on the server.