Preparation:

- Order <u>HTML5 & CSS3 Visual QuickStart Guide (7th Edition)</u> and PHP for the Web: Visual QuickStart Guide (4th Edition).
- Read Chapter 1 of Castro's Text. If you haven't purchased the book yet, you can find the first chapter in a preview form on Amazon.com.
- Complete the instructions in the Getting Started document for your computer. If you're using a PC, make sure it's set up to show file extensions. Open any folder, then invoke the "Tools/Folder Options…" menu command. Pick the "View" tab. Near the bottom you should see a check box labeled "Hide extensions for known file types". It should NOT be checked —you don't want file extensions (suffixes) hidden.

Decide where, on your computer, you want to store your pages for this course. For now, I recommend that you make a "CS254" folder in "My Documents" or maybe on your desktop, and a separate folder with in your CS254 folder per assignment to store your pages. Later you will transfer copies to cscilab.bc.edu, but keep your working copies in a local folder on your computer. If you're working at the CTRC, keep your files on a thumb drive or www.bc.edu/myfiles or somewhere since you can't store files at the CTRC for more than one session.

Create your first web page:

Use your favorite editor and type HTML below. Some editors will create a template for you. It's fine to use that if you like.

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8" />
    <title>Untitled</title>
</head>
<body>

</body>
</html>
```
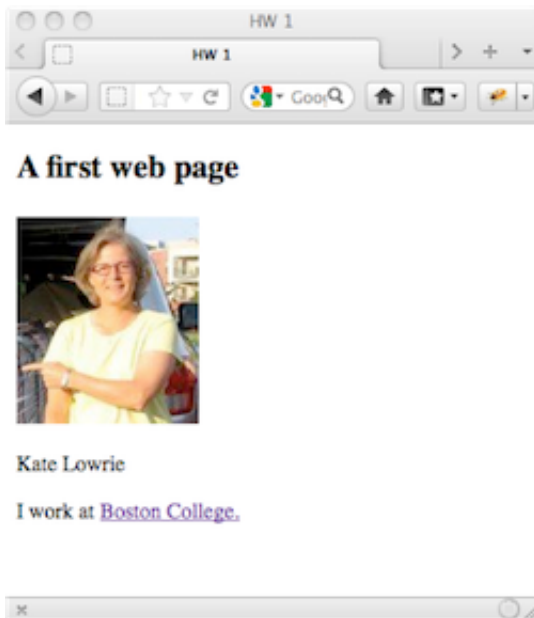
Make the following changes:

- Add the title "HW1" between the open and close *title* tag. It says Untitled now.Even though you're not finished yet, save your page into your HW1 folder as **hw1.php** (not .html).
- Go get a picture of yourself from somewhere. You can use the one in the directory search in bcinfo. Save a copy of the picture into your hw1 folder.
- Inside of the body, use the <img> tag to include a copy of the picture, something like this: <img src="mypic.jpg" alt="Kate Lowrie Picture" height="245" width="162">

  But of course use your file name and actual name. Check the picture with Preview; adjust the width and height if your picture is too fat or too skinny. If the picture isn't visible at all, make sure it's in the same folder as your page and that the file name is correct especially the extension.

- Put your name under the picture (put a
 (break) between the picture and your name, so that the name starts on a new line)

- Use the anchor tag described in class to add a link to the main BC site.

Your page should look something like this.

Publish your page and picture:

Save your work and exit your editor if you haven't already.

If you are using a PC, run the "winscp" program. Click "New", choose cscilab.bc.edu as the host name and enter your user name and password. Select "SFTP" as the protocol.

On the right side, you should see a list of files and folders that you already have on cscilab. There shouldn't be many.

If you don't see a folder called "public_html", you'll need to create one. There a "Create Directory" button on the *bottom* of the window. After creating it, right click it and select "properties". Make sure that Owner, Group, and Others have X (eXecute) access only. Only the Owner should have W (Write) access.

Double click the public_html folder. Drag the hw1.php file and the picture file into public_html. Then, change the permissions for both files to read. If you forget to copy the picture file over to the server, your picture will not load.

If you are using a Mac, start the Fetch Program. Create a new connection for cscilab.bc.edu. Add your user name, select SFTP from the "Connect using" menu, enable encryption, and click the connect button.

You should see a list of files and folders that you have already on cscilab. You may need to create a folder called public_html if it does not already exist.

Check the permissions on the file public_html using Get Info. Get Info displays the info window. You can specify permissions as follows:

- Owner, Group, and Others have R (Read) and X (eXecute) access.
- Only the Owner should have W (Write) access.

You're now almost done—just the testing remains. Open a browser, preferably Firefox,

but Safari InternetExplorer will do for now), and go to

http://cscilab.bc.edu/~lowriek/hw1/hw1.php where of course you need to substitute your own bcid after the tilde. Make sure your picture is visible, your name is underneath, and that your link looks correct and works, and that the title is correct (up in the title bar of the Firefox window).

When you're finished, submit a copy of your php file to Canvas.