**CSCE 102 Lab 4**

Internal (Embedded) and External CSS ─ Local Styles, Classes, and Ids

## General information

* Read the entire assignment before you start.
* Always bring your book and lecture notes to lab.
* Use clean **indentation** and **blank lines** so your code will be easy for you to read and easy for your instructor to read.
* Include the closing tags when you enter the opening tags so you will not forget them.
* Always maintain backup copies of your work. **Always work on your X drive while in the lab and copy your work to your USB memory stick at the end of lab.**
* Never share your password or memory stick with anyone. Maintain the standards of academic honesty discussed in lecture and in previous labs. **The work you turn in must be your work.**
* If you need help, ask.

**Academic Honesty**

1. The work you turn in is to be your work, not copied from someone else, from the web, or generated by a program.
2. Never allow anyone access to your files.
3. Never give anyone your password.
4. Never share your flash drive or email your files to anyone else.
5. Never give anyone a printed copy of your file or an electronic copy.
6. Never allow anyone to copy your work.

**If you did not set the folder view in Sumwalt so that the file extensions are visible as asked in the last assignment, do it now.** You will need this for the rest of the semester.

Configuring the folder view—so that the file extensions will be visible

1. From your desktop click the round windows icon in the bottom left corner
2. Click *computer*
3. Click on the *Organize* tab at the top left of the folder window
4. Select *Folder and search options*
5. Click on the *View* tab
6. And uncheck the *Hide extensions for known file types* box

**Problem A: Due at the end of class ― More Practice with CSS**

Create a new web page (**lab4A*xx*.html)** that uses an internal CSS.

## Getting Started ─ Due at the end of class

* First create a div that contains your name
* Create another div element that includes an image of you. Use the height and width attributes within the image tag to set the image to 200px high by 250px wide.
* Below the second div element insert three break elements.
* Then insert a short paragraph about your dream job.
* Above that paragraph (below the breaks) insert a heading using an h1.
* In an **internal** style sheet, give the page a background image.

Setting the style for the **div elements**:

(You can use the CSS appendix starting on page 415.)

* Set the height to 200px.
* Set the width to 250px.
* Rotate all the div elements using the CSS property **transform** (See page 370). Set the angle of rotation to be ***-55 degrees.***
* Use text-shadow to put a shadow on the text inside the divs. The shadow color cannot be the same as the background color.
* Set the border style to any style **other than** solid.
* Set the border to any color **other than** blue

**And finally set the style for the pseudo class div:hover as follows:**

* Set background color to **blue**.
* Set color of the text to **yellow**.
* Use text-align to **center** the text within the div.
* Rotate all the div elements using the property **transform. Set it to 0 degrees.**
* Make the text have a shadow that is not white and is a different color than the background color of your div elements. Use text-shadow with three values and a color. The third value is the blur value; make that value 0. The example in the book used a hex value for the color; you are to use a color name.
* Set the border width, border style, and border color (either use the three styles or the shortcut − border that has three property values) (See pages 182 – 183 and 415-416 in your textbook- **fourth edition**). Use **solid** as the border style, **6px** as the width and **red** as the border color.

**Remember** that there can be no spaces in div:hover

Test this by mousing over the boxes and seeing if they rotate.

**This webpage is due at the end of class.**

**If you complete part A before the end of lab continue to Part B.**

## Problem B: External CSS.

**Create a new web page (lab4B*xx*.html) that uses an external CSS (**css4*xx*.css**).**

**Topic:**

***What are cookies in reference to web browsing? Discuss the ways to protect your web browsing privacy.***

**Write** four **paragraphs about the given topic with headings and references.** You can support your opinions with facts and examples.

Insert a heading above each paragraph.

**Cite the references using links to the sources.**

## Getting Started ─ Styling with CSS

1. Open the editor and save the blank file as **lab4Bxx.html** in your **All\_102Submissions** folder, where *xx* are your first and last name initials. Always turn on word wrap in your editor by checking *“wrap”* under the *options* menu.
2. Use your code from last week as a template for this week’s lab by copying and pasting the code into the new document. Delete out the content in the body and the style and the internal CSS.
3. Create an **external** style sheet (create a file that contains no html only CSS saved with the filename **css4*xx*.css** where the *xx* is your first and last initial, remember no html, no tags, no <>) to implement CSS rules[[1]](#footnote-1). The file extension is css.
4. Use the **link element** (not an anchor element) on (see pages 120-121 in the textbook) to associate the CSS file to the HTML document.

## In the style sheet use a background image that will tile down the left-hand side of the page. (See page 150-151 in the textbook). Be certain that you can see the text on the page with the background that you used.

## Apply style to all the paragraphs.

## Change the style of the first paragraph using an id

## Change the style in two of the last three paragraphs and in one heading element using one class. (You will have one id and one class in your CSS.)

1. Apply style to other elements such as headings.
2. Use any geometric image as background image of the body.
3. Use the pseudo class p:hover to increase the font size to 35pt when the mouse is over a paragraph.(This is **CSS** not JavaScript)
4. Look at page 46-47 in your textbook and validate your HTML code. Correct the errors.

Now you can always validate your code.

1. Look at page 132-133 and validate your CSS. Now you can always validate your code and correct the errors.
2. After you correct the errors be sure to test your code again to see if it is still working properly.

#### After you have completed Lab 4, update your All\_Index\_xx file as specified below.

#### Updating All\_Index.html

* Link the external style sheet that you created to **All\_Index\_xx.html**. This will cause all styles to apply to **All\_Index\_xx.html**. (Use the link element)
* Insert a link to Lab4A*xx*.html and Lab4B*xx*.html at the bottom, below the link to lab 3. (Use the anchor element.)
* Bring printed copies of all three files (4Axx.html, 4Bxx.html, css4xx.css) to your next lab to turn in. You cannot print during your lab time. You cannot count on printing just before your lab; we sometimes have printer problems so you cannot be certain it is working. Bring a stapled printed copy to lab.

**Note: The printers in 101/102 are for CSCE 101 and 102 only. If you print other things, for example notes for other classes or information from the web your account may be revoked.**

1. **Terminology**: A style sheet consists of a list of rules. (Chapter 4) A CSS rule consists of one or more selectors and a declaration block. A selector consists of an element name, class, and/or id. A declaration block consists of a list of declarations in curly braces. A declaration consists of a property and value separated by a colon (:) and followed by a semi-colon (;). An extensive list of properties and their respective values can be found on pages 407-413 of your textbook and at <http://www.w3schools.com/css/css_reference.asp> [↑](#footnote-ref-1)