**Assignment 2**

**SYST10199 – Web Programming**

**Note:**

1. Assignment must be completed as an individual effort.
2. Due date for submission is specified in SLATE.
3. All online submissions will be done via SLATE (Email submissions will NOT be accepted).
4. Late assignments will be penalized 10% each day for up to 3 days. After that, it is worth zero.
5. Please refer to the [Academic Dishonesty Policy.](http://www-acad.sheridanc.on.ca/~jollymor/acadDishonesty.html)

**Instructions:**

1. Make a folder or project named ***a2-firstname-lastname***.
2. Make a HTML file and save it with the name **index.html** within the *a2-firstname-lastname* folder.
3. The <title> tag should read: <Your Name>.
4. Display the following information in <H1> tag as heading in the index.html page:

# Assignment 2

**WEB PROGRAMMING**

**Your Firstname Lastname**

1. Add any background color ,border, text color for H1
2. Create a simple ***unit conversion*** application using JavaScript.
3. Implement the following unit conversions:
   1. From *Celsius* to *Fahrenheit* and vice versa.
   2. From *Feet* to *Meters* and vice versa.
   3. From *Inches* to *Centimeters* and vice versa.
   4. From *Pounds* to *Kilograms* and vice versa.
4. Display a single textbox on the page, and eight buttons for each conversion.
5. Clicking on a button calls the respective JavaScript function to perform the conversion.
   1. Make use of unobtrusive JavaScript.
6. Display the result in a <p> tag below the buttons.
   1. The result must be rounded off to two decimal places, along with the units.
   2. Display the result in different color.
   3. Don’t use any message boxes such as alert() or prompt().
7. Add a button that clears the content of the textbox and the <p> tag, and sets the cursor in the textbox. (Textbox gets the focus).
8. All the JavaScript code should be in a separate file, saved within the ***\_Jscripts*** folder.
9. Design the layout and appearance of the HTML page by using CSS.

**Finishing Up:**

1. Be sure to save all changes.
2. View your web site in multiple browsers, then make changes, and review as needed.
3. When satisfied with your assignment, publish it to:

http://yourusername.dev.fast.sheridanc.on.ca/webprog/assignments/

1. Add password security.

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**Submission:**

1. You are to submit 3 files, separately:
   1. Upload the **.ZIP** file of your assignment to SLATE.
   2. Upload two **.TXT** files to SLATE.
2. Zip and upload the contents of your entire assignment folder to the Assignments in SLATE.
3. You must copy and paste all of your source code from your HTML and JavaScript files into plain text files.
   1. You can copy and paste the source codes into Notepad.
4. You do not have to format this code - it is used by TurnItIn (the originality checker in SLATE, which is a piece of software that checks your submission for plagiarism against other submissions in the college, in other colleges, from the web, and various other sources).
5. Submit these text files in addition to your assignment ZIP file.
   1. DO NOT add them inside your zip/rar file - they must be separate files.
   2. This is used for TurnItIn (it will not accept HTLM and JavaScript programs, and will not examine the contents of zip/rar files).
6. While submitting the assignment to SLATE, remember to write the URL of your published assignment, the username and password in the comment box.

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