

CSCI 4000 Assignment 1

Q1: JS Textbook Page 132, Chapter 2, Project **2-1, CalcAverage** [33 points]

Note: For this question, name your file `<my name>CalcAverage.htm` (or `.xht`). For example, my file would be named: `LeongLeeCalcAverage.htm`. Change the page title to `<my name>CalcAverage`.

Important: If you do not put `<my name>` to the above mentioned fields (page title and filename), **you will get 0 point for the question.**

Estimated time: 1 to 3 hours

Q2: JS Textbook Page 133, Chapter 2, Project **2-2, CalcShipping** [33 points]

Note: For this question, name your file `<my name>CalcShipping.htm` (or `.xht`). For example, my file would be named: `LeongLeeCalcShipping.htm`. Change the page title to `<my name>CalcShipping`.

Important: If you do not put `<my name>` to the above mentioned fields (page title and filename), **you will get 0 point for the question.**

Estimated time: 1 hour

Q3: JS Textbook Page 133, Chapter 2, Project **2-3, BMI** [34 points]

Note: For this question, name your file `<my name>BMI.htm` (or `.xht`). For example, my file would be named: `LeongLeeBMI.htm`. Change the page title to `<my name> BMI`.

Important: If you do not put `<my name>` to the above mentioned fields (page title and filename), **you will get 0 point for the question.**

Estimated time: 1 hour

Submission instructions:

You need to test the above programs (questions) separately, and provide **two test cases** (if applicable) for each program (question). Do a screen capture of the input and related output for each test case. Use any graphic editing software (e.g. Microsoft Paint, Adobe Fireworks, GIMP) to cut out the program input and output (from the screen capture), paste them into a word document under a related question number, save the document as a pdf file.

You need to submit the following:

1. A pdf file containing the screen captures of program input and output of all test cases, name the file **lastname_firstname_assignment01.pdf**.
2. All html (or xht) files containing Javascript. Zip your html (or xht) files into a single zip file (or rar file) **lastname_firstname_assignment01.zip**.

Please submit electronic copy (the above mentioned **two files**) to D2L digital dropbox.

Grading guidelines (programming questions):

Your programs will be judged on several criteria, which are shown below.

- Correctness (50%): Does the program compile (run) correctly? Does the program do what it's supposed to do?
- Design (20%): Are operations broken down in a reasonable way (e.g. classes and methods)?
- Style (10%): Is the program **indented** properly? Do variables have **meaningful names**?
- Robustness (10%): Does the program handle erroneous or unexpected input gracefully?
- Documentation (10%): Do all program files begin with a **comment** that identifies the author, the course code, and the program date? Are all the classes, methods and data fields clearly **documented (comments)**? Are unclear parts of code **documented (comments)**? (Some items mentioned may not apply to some languages)

A program that does not compile (run) will get at most **50% of the possible points**.