

## CSCI 1016 Assignment 2

Q1: Textbook Page 106, Chapter 2, Programming Challenges **4, State Abbreviations** [30 points]

Note: For this question, name your project <my name> State Abbreviations. For example, my project would be named: Leong Lee State Abbreviations.

The form's title bar should read <my name> State Abbreviations.

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

Q2: Textbook Page 107, Chapter 2, Programming Challenges **7, Joke and Punch line** [30 points]

Note: For this question, name your project <my name> Joke and Punch line.

The form's title bar should read <my name> Joke and Punch line.

**Important:** If you do not put <my name> to the above mentioned fields (project name and form title bar), **you will get 0 point for the question.** No two students should use exactly the same joke (points may be deducted).

Q3: Textbook Page 198, Chapter 3, Programming Challenges **1, Miles per Gallon Calculator** [40 points]

Note: For this question, name your project <my name> MPG.

The form's title bar should read <my name> MPG.

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

### Submission instructions:

Zip your (entire) three solution/project folders into a single zip file **lastname\_firstname\_assignment02.zip**. Submit your file **lastname\_firstname\_assignment02.zip** to the D2L Dropbox.

### Grading guidelines (programming questions):

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

- Correctness (50%): Does the program compile 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 contents, and the compiler used for that particular file? Are all the classes, methods and data fields clearly documented? Are unclear parts of code documented? (Some items mentioned may not apply to some languages)

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