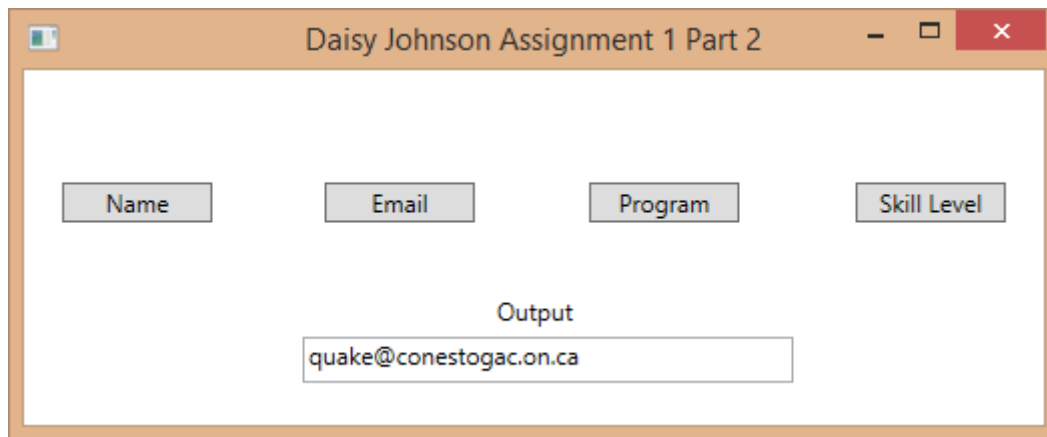# PROG1780 – Programming Fundamentals: Fall 2015

Assignment 1

[Maximum points: 25]

1. You are to create a series of flowcharts. These can be done in any software that allows for the drawing of a flowchart. You may also do them by hand and submit a scanned copy. Clearly label each flowchart and follow the standards for flowcharts presented in class.

   a. Draw a flowchart to input a length in feet, and output that length in metres. [4 points]
   b. Draw a flowchart to take an input number, and check that its length is less than 4 digits. If its length is more, ask for the user to enter another input. Any repeated inputs must also be less than 4 digits. [4 points]
   c. Draw a flowchart for filling a bathtub at an appropriate temperature. [4 points]

2. **2.** Create a C# WPF application that displays information about yourself when a button is clicked. One button will display your name [3 points], one will display your Conestoga email [3 points], another will display your program name [3 points], and a final will display your programming experience (Low, Moderate, or High) [3 points]. Include in the Window title "Your Name Assignment 1 Part 2" [1 point]. 0.25 points will be deducted for any standards covered so far in class.

The format for submitting the assignment is as follows:

1. **Printouts Handed in Class**: Assignment Cover sheet properly filled and attached to the flowcharts from Part 1 and the printout of c# source code from Part 2.
2. **e-Conestoga Submission**: A single compressed (.zip format) archive file containing a soft copy of the flowcharts from Part 1 (scanned if they were hand drawn) and the application folder for the program in Part 2. Submit this .zip file to eConestoga.
3. **Demonstration of the Programs in Class**: Please have your program running on your computer when you are ready to demonstrate your work.