**CPSC1012 In-Class Exercise #7 – Event-Controlled Loops**

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| Student Name: |  | Student Mark: |  | /5 |

**INSTRUCTIONS**

Complete the requirements of this assignment on your own. When you have finished, write your name on the board to get your instructor to mark your assignment. You are encouraged to create a flowchart; without a flowchart your instructor may not provide any assistance.

**Step 1:** Create a program named CPSC1012-Ex07-YourName

**Step 2:** In the Main() method, write the code that will do the following:

* In a do loop, ask the user to enter a grade for a student or 999 to quit
  + In a while loop, the program will:
    - Determine if the entered mark is the highest or lowest grade
    - Validate the entered grade before entering another grade; display some error message if the grade is invalid (i.e. < 0 or > 100)
    - Prompt the user to enter another grade or 999 to quit
  + If there are valid marks:
    - Calculate the average grade for the class
    - Display the average, highest, and lowest grades
  + Else, display some error message
  + Prompt the user to redo the steps above or quit.