PROG1925 – Programming Concepts
Assignment 5

[Maximum points: 30]

This Assignment Builds on the concepts you have learnt about Classes

You are required to create a C# Console Application project in groups. The project name should be A5<FirstInitial><LastName><FirstInitial><LastName>. For example a student with first name John and Last name Smith and their team member is Jane Smith would name the project A5JSmithJSmith.

Create a C# console program that creates and records information for a student.
When the program is run:

Then following Main Menu is then displayed: only 1 student
A. Add a new student
B. Edit an existing student record
C. Display the name, age, and address city of the student (if one already exists)
D. Exit the program

After a choice from the main menu is selected:
- The program must accurately perform the necessary operation and returns to the main menu unless option "D" is selected.
- **For option "A"**:
  The program displays "student record already exists" when a student has previously been created. Otherwise, the program prompts the user to input the following information and stores the information:
  - Unique Identifier ie (1,2,3)
  - Name
  - Age (numeric only)
  - City
- **For option B:**
  Allow the user to edit the existing student, by their unique identifier. If the record does not exist notify the user.

- **For option "C":**
  The program must display the name, age, and city of the student. The program displays "No student record exists" when no student has previously been added.

Note the following Carefully:
Class:
In your program, you must create and use a C# class that represents the student record using appropriate fields and methods. Your team **must** create this file as **a separate file**.
Your class has, at a minimum, two public methods with the following names:
- DisplayStudentInformation
- EditStudentInformation

Your class have a non-default constructor that is used to initialize the student record information.
Your class have a default constructor (even if it is not used by your program)

Note: The purpose of this assignment is to apply your knowledge of C# classes. If your program does not contain a separate class for the Student record <u>no credit</u> is given for this assignment.

Adhere to coding and assignment submission standards/guidelines. Marks will be taken off, if these standards/guidelines are not followed. The format for submitting the assignment is as follows:

1. **Upload**
   a. A single compressed (.zip format) archive file containing the folder of your program submitted to eConestoga;