**CST8253 Web Programming II**

Lab 4

# Objective

1. Work with C# Class and Objects

# Due Date

See Canvas for the due date of this lab. To earn 3 points, you are required:

1. Complete the lab as required.
2. Zip the solution folder (the folder containing **.sln** file) and submit the zipped file to the Blackboard.
3. Demo your lab work during the following week’s lab session.

**Requirements**

Start with the partial completed visual studio solution, **Lab4Solution**, to create a Course Registration system. This system offers the following 4 courses for students to enroll:

* CST8282 Introduction to Database Systems
  + 4 hours/Week,
  + Max enrollment 3,
  + Fee $300
* CST8253 Web Programming II,
  + 2 hours/Week,
  + Max enrollment: 4,
  + Fee $250
* CST8256 Web Programming Language I,
  + 5 hours/Week,
  + Max enrollment 4,
  + Fee $350
* CST8255 Web Imaging and Animations,
  + 2 hours/Week,
  + Max enrollment 3,
  + Fee $200

The course registration follows the following rules:

* A student cannot enroll into the same course twice.
* No student can exceed the 8 hours in a week.
* No course can have more students enrolled than its max enrollment.

Once start the application will run according to the following steps:

1. Prompt the user to enter a student name.
2. After user enters a student name, it will prompt user to select a course.
3. If the user selects a course, it will enroll the user to the course according the rules listed above and give the user appropriate message.
4. It will prompt the user to select another course and back step 3, until the user press the enter key without entering anything.
5. It will then ask if the user want to register another student.
6. If the user answers Y, it loops back to 1. Otherwise it displays the enrollments for all courses. And waiting to terminate.

Included in the lab4.zip file is a sample implementation, **Lab4Solution.exe**, you can run to see how the application should function.