**Computer Science 110 – Module 13 Assignment**

This Module has 2 assignments.

**Assignment 1** : R/P/S

Create a Rock/Paper/Scissors game where the user plays against the computer. The user selects one of the 3 options and the corresponding pictures shows up for both the user and the computer at the same time. The winner is also stated at that time.

**Assignment 2** : Tire Pressure

The program should start with a place to enter a password. The characters should be hidden. If the password is correct then the textboxes to enter information will appear.

The program should allow a garage attendant to input a customer’s tire pressure. The attendant should measure the tire pressure in all 4 tires and then use your program to check the information. The attendant will input the information for each of the four tires.

The program output should tell the attendant that "Tire inflation is ok" if all three of the following conditions are true:

1. the pressure is the same in both front tires.
2. the pressure is the same in both back tires (but not necessarily the same as in the front).
3. the tire pressure is between 32 and 38 psi.

The following is an example of your program output if the tire pressure does not meet the specifications outlined in 1, 2 and 3 above, the program should output the following in labels as it applies:

Tire inflation is not the same: front

Tire inflation is the same: back

Tire inflation is not within the specified range of 32 and 38 psi: left rear

Tire inflation is within the specified range of 32 and 38 psi: left front

The user interface that is shown after the values are inputted should be set up in a manner that the technician could go back and adjust the tire pressures. Don’t use message boxes to output the results.