IT 483
C# - **Lab Exercise 02**

Due: In Lab

Main topics: Boolean expressions
                         If statements
                         If-else statements
                         While loops.

Exercise

This lab is designed to give you more practice using if-else statements, nested if statements, and an introduction to the while loop.

Getting Started To start this exercise, you should

1. Open **Visual Studio** and start a new **C#** project named **Lab02**

Problem Description

For this lab you are to write as complete C# program to run a simple cash register for a eye glass store. A customer can buy either a pair of single prescription glasses (at a cost of $40.00), or a pair of non-prescription sunglasses (at a cost of $25.00). On each pair of single prescription glasses the customer **must** choose either an anti-glare coating (at a cost of $12.50) or a brown tint coating (at a cost of $9.99).

Requirements

At each point where the user is being presented with an option - You must display a simple menu with menu options and then repeatedly get the user's menu option until a "valid" option is entered. The valid menu option is then used to guide the program's logic from that point.

Sample Run

```
What kind of glasses would you like:
1 -> prescription, 2 -> non-prescription : 0
1 -> prescription, 2 -> non-prescription : 3
1 -> prescription, 2 -> non-prescription : 1

What kind of coating would you like:
1 -> anti-glare, 2 -> brown tint : 0
1 -> anti-glare, 2 -> brown tint : 3
1 -> anti-glare, 2 -> brown tint : 1

Your total cost is $52.5
```

Once you have written your program:

1. Make sure that your programs compile and run without errors or warnings.

2. Run your program enough times to check all the choices for correctness.