**Final Project Part II**

**IT 230**

**Chelaine Echols**

A screenshot of a computer screen

Description automatically generated

A screenshot of a computer screen

Description automatically generatedProgram main menu.

Program main menu with first course selection verified and confirmed.

Course added to listBox and total credit hours updated correctly.

A screenshot of a computer

Description automatically generatedProgram main menu with second course selection verified and confirmed.

A screenshot of a computer screen

Description automatically generatedCourse added to listBox and total credit hours updated correctly.

Program main menu with duplicate course selection.

Error message correctly displayed. Course not added to listBox and total credit hours not changed.

A screenshot of a computer screen

Description automatically generated

Program main menu with third course selection verified and confirmed.

A screenshot of a computer screen

Description automatically generatedCourse added to listBox and total credit hours updated correctly.

Program main menu with attempted fourth course selection.

Error message correctly displayed stating you cannot register for more than 9 credit hours.

Course not added to listBox and total credit hours not changed.

**Source Code**

//Declared and initialized public integer variable to keep track of credit hours

public int creditHours = 0;

private void button\_Click(object sender, RoutedEventArgs e)

{

choice = (Course)(this.comboBox.SelectedItem);

//String variable declared and initialized using Course class getName() method

string courseName = choice.getName();

//If else statements maintaining registration for no more than 9 credit hours

if (creditHours < 9)

{

//if else statements maintaining no registration for the same course twice

if (choice.IsRegisteredAlready())

{

label3.Content = "You have already registered for course " + courseName;

//Error message for duplicate course

}

else

{

listBox.Items.Add(courseName); //Add course name to listBox

choice.SetToRegistered(); //Set course to registered

label3.Content = "Registration confirmed for course " + courseName;

//Confirmation message

creditHours += 3; //Update credit hours

textBox.Text = creditHours.ToString(); //Output updated credit hours

}

}

else

{

label3.Content = "You cannot register for more than 9 credit hours";

//Error message for too many credit hours

}

}