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| A screenshot of a computer  Description automatically generated  This shows the confirmation of registering for the first course. | A screenshot of a computer  Description automatically generated  Showing conformation of second course and listing all courses registered for as well as total credit hours. |
| A screenshot of a computer  Description automatically generated  Error message given when trying to register for a course previously registered. | A screenshot of a computer  Description automatically generated  Error message given if try to register for over the maximum credits allowed. |

using System;

using System.Collections.Generic;

using System.Windows;

using System.Windows.Media;

namespace WPFRegisterStudent

{

public partial class MainWindow : Window

{

private int totalCreditHours = 0;

private List<Course> registeredCourses = new List<Course>();

Course choice;

public MainWindow()

{

InitializeComponent();

}

private void Window\_Loaded(object sender, RoutedEventArgs e)

{

Course course1 = new Course("IT 145");

Course course2 = new Course("IT 200");

Course course3 = new Course("IT 201");

Course course4 = new Course("IT 270");

Course course5 = new Course("IT 315");

Course course6 = new Course("IT 328");

Course course7 = new Course("IT 330");

this.comboBox.Items.Add(course1);

this.comboBox.Items.Add(course2);

this.comboBox.Items.Add(course3);

this.comboBox.Items.Add(course4);

this.comboBox.Items.Add(course5);

this.comboBox.Items.Add(course6);

this.comboBox.Items.Add(course7);

this.textBox.Text = "0";

}

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

{

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

if (choice == null)

{

label3.Content = "Please select a course.";

label3.Foreground = new SolidColorBrush(Colors.Red);

return;

}

if (choice.IsRegisteredAlready())

{

label3.Content = "You are already registered for this course.";

label3.Foreground = new SolidColorBrush(Colors.Red);

return;

}

if (totalCreditHours + 3 > 9)

{

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

label3.Foreground = new SolidColorBrush(Colors.Red);

return;

}

// Register the course

choice.SetToRegistered();

registeredCourses.Add(choice);

totalCreditHours += 3;

// Update the ListBox with the registered course

this.listBox.Items.Add(choice.getName());

// Update the total credit hours in the TextBox

this.textBox.Text = totalCreditHours.ToString();

// Display the confirmation message

label3.Content = $"You have successfully registered for {choice.getName()}.";

label3.Foreground = new SolidColorBrush(Colors.Green);

}

}

}