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A screenshot of a computer screen

AI-generated content may be incorrect.IT 230

In the first picture is a base example of the program in progress, showing selection offers from Dropbox and prompting selection and area for credit hours and registration display.

A screenshot of a computer

AI-generated content may be incorrect.In this example, it utilizes the check registration to ensure that the selected course is displayed. “IT 145” was chosen, which is why it shows in the output and prompts the user for confirmation. As well as each course displaying 3 credit hours

A screenshot of a computer screen

AI-generated content may be incorrect.

In this example, it is doing a check to ensure that the choice selected wasn’t already selected within the Dropbox. In this case, 3 courses are selected (equaling and displaying 9 credit hours), and IT 201 was selected twice, prompting the error message.

A screenshot of a computer screen

AI-generated content may be incorrect.In this example, the same as prior is found, except once all three courses have been selected, an extra course has been selected, prompting an error for overuse of 9 max credit hours.

Source Code

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Windows;

using System.Windows.Controls;

using System.Windows.Data;

using System.Windows.Documents;

using System.Windows.Input;

using System.Windows.Media;

using System.Windows.Media.Imaging;

using System.Windows.Navigation;

using System.Windows.Shapes;

namespace WPFRegisterStudent

{

/// <summary>

/// Interaction logic for MainWindow.xaml

/// </summary>

public partial class MainWindow : Window

{

Course choice;

private int creditHours = 0; // Added variable to establish starting credit hours

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 = "";

}

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

{

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

// TO DO - Create code to validate user selection (the choice object)

// and to display an error or a registation confirmation message accordinlgy

// Also update the total credit hours textbox if registration is confirmed for a selected course

// registration error or confirmation

if (this.listBox.Items.Contains(choice) && choice.IsRegisteredAlready())

{

this.textBlock.Text = "You have already registered for this " + choice.ToString() + " course";

}

else if (creditHours < 9) // total credit hours CANNOT go over 9 as specified

{

this.listBox.Items.Add(choice); // add each select to the output box

choice.SetToRegistered();

creditHours += 3; // Courses have 3 credit hours each and are updated in the output

this.textBox.Text = Convert.ToString(creditHours);

this.textBlock.Text = "Registration properly confirmed for course " + choice.ToString(); // Print string added elligible courses

}

else

this.textBlock.Text = "You can't register for more than 9 credit hours.";

}

private void comboBox\_SelectionChanged(object sender, SelectionChangedEventArgs e)

{

// comboBox is where the courses are chosen from the dropbox

}

private void listBox\_SelectionChanged(object sender, SelectionChangedEventArgs e)

{

// listBox is where the courses are outputted to

}

private void textBox\_TextChanged(object sender, TextChangedEventArgs e)

{

// To display credit hours

}

}

}