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IT-230 – Final Project Part II (WPFRegisterStudent)

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A screenshot of a computer

AI-generated content may be incorrect.

The above screenshot is the program when it’s first launched, now lets add a course.

A screenshot of a computer

AI-generated content may be incorrect.

We have now added a course, specifically IT 315, to our registration, we have a confirmation from the program that the Registration was confirmed, and our total credit hours have increased by 3, lets go ahead and add the course again.

A screenshot of a computer

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Imagine that we cannot attend IT 315 twice in the same registration period, we properly see the error message of You have already registered for this IT 315, and our credit hours have not changed. Lets add a second course.

A screenshot of a computer

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I was able to successfully add IT 270 to my registration and the credit hours have increased, lets add one final course.

A screenshot of a computer screen

AI-generated content may be incorrect.

Our final course IT 330 has been added, and we have 9 Total Credit Hours, lets go ahead and attempt to add another course to our schedule.

A screenshot of a computer screen

AI-generated content may be incorrect.

I cannot add IT 201 to my schedule as I am already at 9 total credit hours, so this is my schedule

using System;

using System.Collections.Generic;

using System.Diagnostics;

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;

int courseCredits = 0;

int validatedChoice = 0;

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);

validatedChoice = ValidateSelection(choice);

switch (validatedChoice)

{

case 0: //we add our course to the list, because this means it's a valid choice, we also increase courseCredits by 3

{

this.listBox.Items.Add(choice);

courseCredits = courseCredits + 3;

textBox.Text = courseCredits.ToString();

infoLabel.Content = "Registration Confirmed for course " + choice;

break;

}

case 1: //this means we already have our 3 courses do not add more

{

infoLabel.Content = "You can not register for more than 9 credit hours.";

break;

}

case 2: //this means we have already registered for the course

{

infoLabel.Content = "You have already registered for this " + choice;

break;

}

}

}

private int ValidateSelection(Course choice)

{

if (courseCredits >= 9) //we already have three courses

{

return 1;

}

for (int i = 0; i < listBox.Items.Count; i++)

{

if (choice.Equals(listBox.Items[i])) //this course already is in our list

{

return 2;

}

}

return 0; //this means the choice is valid lets add it to our list

}

}

}