MainWindow.xaml.cs 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 CreateClassesObjs

{

/// <summary>

/// Interaction logic for MainWindow.xaml

/// </summary>

public partial class MainWindow : Window

{

Course choice;

public MainWindow()

{

InitializeComponent();

}

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

{

Course course1 = new Course();

Course course2 = new Course();

Course course3 = new Course();

Course course4 = new Course();

Course course5 = new Course();

Course course6 = new Course();

Course course7 = new Course();

course1.setName("IT 145");

course1.setCreditHours(3);

course2.setName("IT 200");

course2.setCreditHours(3);

course3.setName("IT 201");

course3.setCreditHours(3);

course4.setName("IT 270");

course4.setCreditHours(3);

course5.setName("IT 315");

course5.setCreditHours(3);

course6.setName("IT 328");

course6.setCreditHours(3);

course7.setName("IT 330");

course7.setCreditHours(3);

Console.WriteLine("Adding courses to comboBox");

comboBox.Items.Add(course1);

comboBox.Items.Add(course2);

comboBox.Items.Add(course3);

comboBox.Items.Add(course4);

comboBox.Items.Add(course5);

comboBox.Items.Add(course6);

comboBox.Items.Add(course7);

Console.WriteLine("Courses added to comboBox");

}

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

{

if (listBox.Items.Count >= 3)

{

MessageBox.Show("You have registered for the maximum number of hours.", "Limit Reached", MessageBoxButton.OK, MessageBoxImage.Warning);

return;

}

var selectedCourse = comboBox.SelectedItem as Course;

if (selectedCourse == null)

{

MessageBox.Show("Please select a course first.", "No Selection", MessageBoxButton.OK, MessageBoxImage.Error);

return;

}

// Check for duplicates

foreach (Course course in listBox.Items)

{

if (course.ToString() == selectedCourse.ToString())

{

MessageBox.Show("You have already selected this course.", "Duplicate Course", MessageBoxButton.OK, MessageBoxImage.Error);

return;

}

}

listBox.Items.Add(selectedCourse);

UpdateRegisteredCoursesAndCreditHours();

}

private void UpdateRegisteredCoursesAndCreditHours()

{

registeredCoursesTextBox.Clear();

int totalCreditHours = 0;

foreach (Course course in listBox.Items)

{

registeredCoursesTextBox.AppendText(course.Name + Environment.NewLine);

totalCreditHours += course.CreditHours;

}

totalCreditHoursTextBox.Text = totalCreditHours.ToString();

}

}

public class Course

{

public string Name { get; set; }

public int CreditHours { get; set; }

public void setName(string name)

{

Name = name;

}

public void setCreditHours(int hours)

{

CreditHours = hours;

}

public override string ToString()

{

return Name;

}

}

}

Course.cs Code:

public class Course

{

public string Name { get; set; }

public int CreditHours { get; set; }

public void setName(string name)

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Name = name;

}

public void setCreditHours(int hours)

{

CreditHours = hours;

}

public override string ToString()

{

return Name;

}

}

