**7-2 Final Project Part II Submission (WPFRegisterStudent)**

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|  | The program validates the user menu selection. If the selection is valid, the program registers the student for the selected course and displays the current list of registered courses and total credit hours of the registered courses. |
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|  | If the user tries to register for the same class more than once or for more than nine credit hours, the program displays an error message. |
|  |

**Course.cs**

private int credits = 3;  
// …  
public int getCredits()  
{  
 return this.credits;  
}

I gave each course a default credit value of 3 and a getter method for this member.

**MainWindow.xaml.cs**

int totalCredits = 0;  
int maxCredits = 9;

private int addCredits(Course course)  
{  
 return totalCredits + course.getCredits();  
}

private void button\_Click(object sender, RoutedEventArgs e)  
{  
 choice = (Course)(this.comboBox.SelectedItem);  
 if (totalCredits >= maxCredits)  
 {  
 this.label3.Content = $"You cannot register for more than {maxCredits} credit hours.";  
 return;  
 }  
 if (choice.IsRegisteredAlready())  
 {  
 this.label3.Content = $"You have already registered for this {choice.getName()} course.";  
 return;  
 }  
 choice.SetToRegistered();  
 this.listBox.Items.Add(choice);  
 totalCredits = addCredits(choice);  
 this.label3.Content = $"Registration confirmed for course {choice.getName()}.";  
 this.textBox.Text = totalCredits.ToString();  
}

I created members to track the total credits of currently registered courses and the maximum number of credits a student could register for. Then, when a user tries to register for a course, the program checks if the selected course is already registered and if the student has too many credits. If either is true, the appropriate error message is displayed. If neither is true, the course is flagged to be registered. Then, the program displays a confirmation message, the updated list of registered courses, and the cumulative registered course credits.