|  |  |
| --- | --- |
| private void button\_Click(object sender, RoutedEventArgs e)  {  choice = (Course)(this.comboBox.SelectedItem);  int.TryParse(this.textBox.Text, out int creditHours);  if (choice != null)  {  if (!choice.IsRegisteredAlready() && creditHours < 9)  {  Register(choice);  Message(Brushes.Black, "Successfully registered for " + choice.ToString());  AddHours(creditHours);  }  else if (choice.IsRegisteredAlready())  {  Message(Brushes.Red, "Already registered for this course.");  }  else  {  Message(Brushes.Red, "Unable to register for more than 9 credit hours.");  }  }  else  {  Message(Brushes.Red, "Please select a course.");  }  }    private void Register(Course choice)  {  choice.SetToRegistered();  this.listBox.Items.Add(choice);  }  private void Message(Brush color, string message)  {  label3.Foreground = color;  label3.Content = message;  }  private void AddHours(int creditHours)  {  creditHours += 3;  this.textBox.Text = "" + creditHours;  } | Source code added to project, comments removed for brevity. |
|  | If the user attempts to register for a course with nothing selected, the content of label3 is set to “Please select a course.” |
|  | The user is able to add any valid course that exists in the list, provided they are registered for fewer than 9 credit hours and are not already registered for that course. |
|  | If the user attempts to register for a course that they are already registered for, the content of label3 is set to “Already registered for this course.” |
|  | If the user attempts to register for a course in excess of 9 credit hours, the content of label3 is set to “Unable to register for more than 9 credit hours.” |