# IT 230 Coding Activity Submission Template

Submit your work on the coding activities for Modules One, Two, Three, Four, and Six in this document. In addition to this document, you should submit a ZIP file containing all your Visual Studio project files and source code that can be run in Visual Studio on a different computer.

For each coding activity, complete the following steps:

* Download and rename this document to meet the file naming conventions requested in the assignment instructions.
* Fill in the required information below by replacing the bracketed text with the relevant information.
* Submit this document and your ZIP file for grading and feedback. Your ZIP file should follow the same naming conventions.

Document your work in the coding activity by completing each of the following items:

1. Provide a screenshot of the output that resulted from running your program successfully in Visual Studio. See the coding assignment instructions for an example of what should be included in the screenshot. Your screenshot must include the following elements:
   1. Your last name as the first printed text on the screen
   2. Verification that the program is fully functioning and data results are accurate for the given problem

A screenshot of a computer registration

Description automatically generated

1. Copy and paste the source code text you wrote for this assignment from the \*.cs file into the space below. Only providing the \*.cs files or a screenshot does not meet the requirements for this part of the assignment. Code should be logically organized. It should also follow proper syntax and conventions noted in the Coding Activity Guidelines and Rubric.

<Window x:Class="WPFRegisterStudent.MainWindow"

xmlns="http://schemas.microsoft.com/winfx/2006/xaml/presentation"

xmlns:x="http://schemas.microsoft.com/winfx/2006/xaml"

Title="Course Registration" Height="450" Width="600" Loaded="Window\_Loaded">

<!-- WPF Register Student - Hello Shyanne -->

<Grid>

<Grid.RowDefinitions>

<RowDefinition Height="Auto"/>

<RowDefinition Height="Auto"/>

<RowDefinition Height="Auto"/>

<RowDefinition Height="\*"/>

</Grid.RowDefinitions>

<StackPanel Grid.Row="0" Orientation="Horizontal" Margin="10">

<TextBlock Text="Select Course:" VerticalAlignment="Center"/>

<ComboBox x:Name="comboBox" Width="200" Margin="10"/>

</StackPanel>

<Button Grid.Row="1" Content="Register" Width="100" Height="30" Margin="10" Click="button\_Click"/>

<ListBox x:Name="listBox" Grid.Row="2" Width="300" Height="200" Margin="10"/>

<StackPanel Grid.Row="3" Orientation="Horizontal" Margin="10">

<TextBlock Text="Total Credit Hours:" VerticalAlignment="Center"/>

<TextBox x:Name="textBox" Width="50" IsReadOnly="True" Margin="10"/>

</StackPanel>

<TextBlock x:Name="textBlock1" Grid.Row="4" Margin="10"/>

</Grid>

</Window>

1. Show that you understand the task by explaining the design of your program in the space below. Include the process and steps you took to write your code. Explain how you arrived at the solution to the problem and completed the activity.

To ensure that I completed my assignment correctly there are many steps that I took.

* I changed Teacher’s copy to Helo Shyanne in the MainWindow.Xaml.
* Added credits property to each course
* Added isRegisterd property to track registration status
* Added register method to handle course registration logic
* Converting creditHours variable and invoking choice.SetToRegistered
* Converting string and assigning it to the textbox
* Concatenating choice.ToString() for the confirmation message and assigning it to textBlock 1
* Created textBlock 1

1. Reflect on your learning experience and what you learned from completing the activity.

Throughout this project I was able to learn about editing an existing code with no errors that will not produce the correct output. I was also able to reflect on my experience of creating a pseudocode to adjust an existing code. Another thing that I learned is that if a textblock is not added to the XML it will cause an error within the code. By doing this assignment I was able to strengthen my skills with creating a WPF application and adjusting an existing code to improve the users experience.