# 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 program

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.

int ValidateChoice(int choice, int firstChoice, int secondChoice, int thirdChoice, int totalCredit)

{

if (choice < 1 || choice > 7) //Error: originally had choice > 70 instead of > 7

return -1;

else if (choice == firstChoice || choice == secondChoice || choice == thirdChoice) //Error: originally had and && instead of or ||

return -2;

else if (totalCredit == 9) //Error: was totalCredit > 9 rather than == 9

return -3;

return 0; //Error: originally had return -4 instead of 0

}

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.

The design of this program is to take the users input of a number from 1-7 and use that to register them to the course that corresponds to the chosen number and inform the user of the confirmed registration.  
The errors occurred in the if else statements. The first one was on line 71 where it originally said choice > 70 instead of >7 which tells the user that their choice does not correspond with a course. Another error was on line 73 where it originally had && instead of || and the purpose of this statement is to be able to tell the user if they have already signed up for the chosen course. The error on line 75 originally had >9 and needed to be changed to ==9 in order to properly stop the user from signing up for courses once they reach their total Credits. The last error on line 77 had it return to -4 instead of 0, which this line is to confirm registration for the chosen course.

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

This is probably the lengthiest and in-depth piece of coding that we had to debug so far in this class. It was quite challenging, yet really fun to analyze. I was able to find 3 of the errors relatively easily, however there was one that almost snuck past my view. I had run it after finding the first 3 errors and almost didn’t realize that since line 73 had && instead of ||, the code would just continue to let you sign up for the same course. This mad me realize just how much I need to pay attention to ALL of the intended functions of a program or else issues such as this can easily occur.