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IT 230 Coding Activity Submission Template

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**Date: 11/13/2019**

**Class:** IT 230 – Software Development with C#.NET

**Module: 3 – Debug and Fix Methods**

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| **1.** | Insert a copy of your of the ZIP file of all of your Visual Studio project files here so that it can be loaded and run in another Visual Studio: |
| Insert here a copy of your \*.cs source code text you used here (copy and paste source code here, do **not** simply insert \*.cs files): |
| **2.** | Insert a screenshot here of the output that resulted from running your program: |
| **3.** | Explain the design of your program, the steps you took to complete it, and how you coded it:  One of the first things I noticed in this code activity was that the code was not formatted in camel case for the variables and function names. I changed these items into camel case because that is what the textbook recommended and that is common to see in industry. This modification is not an error debug, but more for aesthetic purposes. The first error I corrected was on Line 33. I observed that the method writePrompt was incorrect in the method call and did not match the case for the method declaration; this is a syntactic error as C# is case sensitive. The next error was Line 25. I changed the local variable, choice, to a string within the run() method so writeChoice() and readChoice() can accept choice’s value as a string. Line 40 had an incorrect method return type for readChoice(…) so I changed its return type to a string to fit intnention of the return type. On Line 47, I changed writeChoice(…)’s argument to a string to accept a user input value of a string. Lastly, on Line 49, I corrected the syntax error for having an upper-case “C” in the variable choice in the 2nd argument. The variable choice needed a lower-case “c” to align with passing the parameter. |
| **4.** | Reflect on this experience and the lessons you learned from it:  This was a very important activity for the learning software developer to learn and know how to debug code. I think there will be many times in industry that developed code will be handed to the junior software developer and his/her task will be to debug the code and correct the errors. This activity helped me to think about the logic behind someone else’s code in order to debug their code to solve the problem, because a programmer will not always code, sometimes they will debug others’ code. |