CMP1902M Object Oriented Programming 2022/23

Assignment 1: RESIT Report

[*Expand the sections as necessary*]

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Link to the repository: CMP1903M-AO1-resit/README.md at main · harry0192/CMP1903M-AO1-resit (github.com)

Code Review

1. **Your code review** *(~400 words):*

    The main problem I have found with this code is that there is no annotation at all, which makes it harder to understand what the code does and why you have chosen to use what you have. I would recommend adding a comment every 3 or 4 lines explaining what is happening which would make it much easier for you or others to know what certain lines do what. However, the code is written in a concise and logical way which helps in analysing what is happening in the source code. The code is spaced out in regular intervals thus making it easier to look over the code and to check for errors. Throughout the source code if statements are used well. You have accounted for the user inputting invalid test scores.

    There is limited error handling which is a problem as the code is limited in how it can deal with erroneous inputs. This could be fixed with just a few extra lines of code.

    An improvement could be on line 30 'if ((dbl1 >= 40) && (dbl1 <= 100))' there is no need for the double brackets, so for example you could have 'if (dbl1 >= 40 && dbl1 <= 100)' instead. The rest of the code is done well and runs smoothly. Another potential improvement to make it easier for potential users to use a new line could be added after lines 14 and 17 which can be achieved by a simple ' Console.Write("\n"); 'and then writing '> 'this to the new line to make it clear to users where to submit their inputs. Overall, the code is well written and well done.

2. **Reflection on code review: How do you feel about giving/receiving code reviews?** *(~400 words)*

    I feel that code review is an extremely helpful tool in expanding our understanding of code. It allows us to receive critical advice on how to improve code. In addition, it is quite easy to miss or overlook little bits of code that are causing multiple errors when you are the one creating the code and by having other people go through our code it allows us to catch most of these small errors. I feel that code review is an important tool to use when creating new code as it allows different perspectives that can be used to boost the quality of the code. However, I understand how some people may not like their code being reviewed as some people can be quite harsh in their reviews and it is therefore important to remain positive when giving reviews on other people's code.