

Peer review of Christer Hamberg's (ch222xb) workshop 2

First of all I would like to point out that I am in no way as experienced in programming as you are but I have tried to understand the program. After taking a good look at the code and running the program, here is my peer review.

Running the application

I used your supplied example files and when running the program the console output is a bit mess or "ugly" but as you mentioned this in the readme, I was prepared for it to be more in the line of "proving that it works".

The grammar and quality of the messages to the user is excellent and there is no doubt that the user will understand what is happening. I especially like how you have added the "Operation was successfully completed!"-message so that I, as a user, know that everything has gone according to plan.

The error handling works well although the error code might not mean all that much to a user, but with a manual or something like that I expect it to be very good.

Design and implementation

Obviously you know what you are doing and there is not a whole lot for me to make comments on. The design and implementation is very good looking and works just as I would expect. One thing that i noticed is that sometimes you put blank lines between every line of code which, to me, makes the code unnecessarily long and somewhat harder to read due to code being scattered.

The solution for handing out unique ID's is well thought of and works really good, giving the members a unique ID.

Code standard is very high and names are very clear. No code duplication that I could find, nor is there any dead code. Error handling works really well (see previous comment about error codes) when I try to enter an invalid input.

It is nice that you have used a double for the boat length making it more flexible.

The diagrams seemed very clear to me and really helped the initial understanding of how your program works.

The application has a very clear MVC separation and the design of the application is clearly object oriented with objects connected through associations. Furthermore the GRASP principles are well kept in mind when designing the application, resulting in low coupling and high cohesion. The view contains no application logic.

The design of the application is very much in line with MVC and object oriented design when viewing the guidelines by Larman (1).

The use of static variables and operations is kept to a minimum with only one static variable, but as this was for your repetition purposes I would say it is not something to put a remark on.

Overall a very nice looking and working application and I see no reason why it should not be enough to get a pass!

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Source:

<https://github.com/christerhamberg/1DV607/tree/master/Workshop2/Grade2>

References

1. Larman C., Applying UML and Patterns 3rd Ed, 2005, ISBN: 0131489062