

## Peer Review of Mattias Wikström group mw222rs

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*The parts about code is based on Mattias implementation*

***Test the runnable version of the application in a realistic way. Note any problems/bugs.***

It works well. I have added members, added boats, changed members and list them. I found 1 bug when entering a decimal value to boat length. The app crashed when entering 12,4.

***Try to compile/use the source code using the instructions provided. Can you get it up and running? Is anything problematic? Are there steps missing or assumptions made?***

Works perfectly.

***Does the implementation and diagrams conform (do they show the same thing)? Are there any missing relations? Relations in the wrong direction? Wrong relations? Correct UML notation?***

The sequence diagrams are well made and easy to understand. [1, p177, ch10.5]

The class diagram doesn't show relations between them. [1, p251, ch16.2]

***Is the Architecture ok?***

The architecture is well made. Model-view separation is followed thru out. [1, p209 ch13.7]

***Is the requirement of a unique member id correctly done?***

Yes, you check what numbers has been used and add to that.

***What is the quality of the implementation/source code?***

The code has good standard. Not much duplication and good naming. A tiny bit of code in the DAL-classes are commented out. [2]

***What is the quality of the design? Is it Object Oriented?***

The code uses GRASP in a good way. The classes have high cohesion and low coupling. [1, p277, ch17.4]

***As a developer would the diagrams help you and why/why not?***

The sequence diagrams would help me understand the code in a good and fast way. But the class diagram is not there yet. [1, p176, ch10.3]

***What are the strong points of the design/implementation, what do you think is really good and why?***

You have a nice separation of model/view. Good cohesion of classes. [1, p277, ch17.4]

***What are the weaknesses of the design/implementation, what do you think should be changed and why?***

The controller could maybe be split up into several classes for a higher cohesion. [1, p.291, ch17.8]

Perhaps the UI could be more readable with some color and empty lines between different tasks. But that's not the main focus in this workshop.

***Do you think the design/implementation has passed the grade 2 criteria?***

Yes, when the class diagram is up to UML standard. All other parts are already there.

**References**

1. Larman C., Applying UML and Patterns 3rd Ed, 2012, ISBN: 978-81-7758-979-5
2. C# Coding Conventions, <https://msdn.microsoft.com/en-us/library/ff926074.aspx>