

## Peer Review 1

As the task only involved grade 2 up to this stage, the following is a description of that analysis. I did, however, look at the grade 3 UML and was impressed by the work done.

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

Yes. It is clearly laid out, with no real excess information. All the associations are considered and relevant. Though some details could be simplified, such as unifying the member, secretary and treasurer as system “users” to remove the redundant re-descriptions of ID, name and password, it does not take away from the clarity of what the model offers.

### **Do you think a domain expert (for example the Secretary) would understand the model why/why not?**

Yes. As above, it is very clear what the model is trying to portray and each user can see what roles they have in the system. This would make it easier for them to function more efficiently in their jobs (or reduce issues if a member were to use it).

### **What are the strong points of the model, what do you think is really good and why?**

- Every class is clearly defined and given an appropriate name (section 9.10)[1] from the description: none of the “common mistakes” in section 9.12[1] are made
- Multiplicity (section 9.14)[1] is given correctly, with all classes defined with an appropriate quantity
- Associations (section 9.14)[1] are named well and common terms are avoided where possible

### **What are the weaknesses of the model, what do you think should be changed and why?**

Please note these are very picky, and in some cases, subjective, points.

- Include where transaction is recorded (as per section 9.5, table 9.1)[1]
- Is the actor “Treasurer” really needed? As grade 2 only requires the registration/removal/edit of boat details, the managing of the payment system is slightly redundant (even though payment is part of the registration process). I’m not sure (definitely correct in your grade 3 model), but that’s what I think according to section 9.10[1]
- Boat may want to have a description class. If the boat is removed from the system, the secretary may still be interested where the member had boats moored last season. According to section 9.13[1], a good reason to have a description class may include “deleting instances of things they describe [...] results in a loss of information that needs to be maintained”
- “Associations should start with a capital letter” section 9.14[1]

### **Do you think the model has passed the grade 2 (passing grade) criteria?**

Yes

## References

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