Peer review Object Oriented analysis and design ON

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As a developer would this model help you and why/why not?

Yes and no. Since a domain model should be a model of reality[1], you should it when you make the association between member and boat, a member owns a boat, however, we believe you have too many associations connected between member and boat, which is will be explained below when describe the flaws of your design in detail. Regarding the authentication class, a domain model does not describe software classes or any of the domain layers of a certain software architecture[2], which means the authentication system class should not be part of a domain model. Overall, it give some perspective on what is going in with the system.

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

At this point, he would be confused. Because there is no direct connection between secretary and boat, or secretary and berth. A secretary should be able to assign a berth and keep check of the boats as well. You have the assignments berth on the diagram, it's just wrong for this specific grade.

The following points shows where we found flaws in your design:

1. For passing grade 2 the membership fee, Allocation Proposal, Rule and Municipality, authentication classes arent needed. Your solution fits with the higher grades but this is the link you gave for the peer review. It is good, but we think it is too much for this specific grade.

2. For member class and boat class association you only need to have 1 association,

for example if you put an association that says "change", it contains register, remove and change.

3. In the cases you write only a star(*), it should instead be 1...*

4. For the calender event and member association, you only need to have Views.

5. A Secretary puts the boat and the berth together,

that means we can't put a boat without a berth and a berth cannot be without a boat.

Look at your asssoication between the boat class and berth class, can the boat have 0 or 1 berths and vice versa?

We think you followed this quite nicely and overall you've done a fairly good design. If you remove the classes that arent neccessary and remove some unnceccessary associations and change the UML notations like we explained at point 3, then this will be enough to pass grade 2. However, at this point, you probably wouldn't pass mainly beacuse you've added too much to your diagram like explained above.

References

1. Larman C., Applying UML and Patterns 3rd Ed, 2005, ISBN: 0131489062, [P174]
2. Larman C., Applying UML and Patterns 3rd Ed, 2005, ISBN: 0131489062, [P176]