

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

It would give a ground to stand on. However, there is not enough associations between certain classes to give a clear perspective on what is needed. A boat should have some kinda connection to a Secretary because the Secretary has the role of making sure a Berth and Boat gets assigned together. A developer would understand the database and database in the diagram, however, this should not be included in an domain model, the model is a model of reality[1] and should not contain any software classes[2].

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

Since there is no connection between boat and secretary, there will be too much confusion.

Below you can find a list on things we found problematic in your diagram and also how to hopefully improve on them:

1. There are no UML association notations, for example,

you dont tell how many boats a secretary can organize.

Information on this can be found at: http://www.tutorialspoint.com/uml/uml_basic_notations.htm, we recommend you take a look at this.

Think about how many boats a member can have, if the number is 1 or many, the notation is 1...* and you write that at the start of the boat association to the member class, then next question is how many owners can a boat have?

2. Should the boat class not have any relations to the Secretary? Does the member class have any relations to the calender? For example, should the members be able to view the calender for events? Also, do we need a relation between the boat and the berth? We think the berth should have a connection beacuse the boat occupies a berth. Also since Secretary assigns the boat to a berth, we need a connection between Secretary and Boat. The Event class in your diagram can be removed and instead you use a field event in Calender and make the correct association word when member and Secretary wants to keep track of the events.

3. Remember that a domain model is a model of reality[1], if this is read by a client perhaps a database connection and a database shouldn't be a shown as classes? This could be shown on the association and by using UML association notations. You used it with authenticate.

Would your diagram be enough to pass the grade 2 as it stands right now?

Right now it doesn't really meet the requirements for the passing grade as the diagram doesn't show that a member should be able to keep track of events and that a secretary should be able to assign a boat to a berth. I also think it is crucial that you add the UML association notations to your diagram.

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]