Peer Review

Workshop 1 Domain Modeling, grade 2

Group Mitja Tim Rijavec Bruneus

Jan Karlsson

1DV607

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# Overview

The model is easy to follow. With one exception no lines are crossing each other and there is enough of space between the various object.

Compositions are used in two places. Larman [1, p520] suggests that whose can be used if there is a create-delete dependency of the part as a whole and that seems to be the case here.

In this model the secretary and treasurer can do everything an ordinary member can, which was not stated in the problem. But it was not either stated that it should not be so.

The layout with the class *YachtClub* written central in the top of the model with the class *Member* below it works very well.

# Requirements

## Use Case 1. Authenticate

As stated in the text in the model the authenticate process is excluded from the model.

## Use Case 4. Register Boat

A member can register a boat. The secondary scenarios are not specified in the model.

## Use Case 5. Remove Boat

A member can remove a boat.

## Use Case 6. Change Boat

A member can change a boat.

## Use Case 8. Assign Berths

The assignment of berths is represented.

## Use Case 10. Manage Calendar Events

The secretaries options to add, delete or change a calendar event is represented.

In my opinion it would be more logical to connect the associations from the secretary to the calendar instead of the *Event*. But I am not sure if that would be more correct and in the use case it says calendar event, not calendar.

## Use Case 11. List Calendar Events

A member can list a calendar event.

## Use Case 12 View Calendar Events

A member can view an event.

# (More of) my opinions

The lack of authentication is a minor deviation from the requirement that I do not think is that important. And since all three primary actors are represented and the class *Member* has *username* and *password* as attributes an authentication could be assumed of taking place or it could be implemented if needed.

The *Owns* association between *Member* and *Boat* is not described in the requirement and could maybe been left out.

There are two associations connected between *Secretary* and *MooringPlanner* respective  *MooringPlan* but the relations are contra dictionary according to the text in the model, it is natural to assume that it is the secretary that requests a proposal and accepts I mooring plan. It’s just a detail.

It is difficult to criticize some ones work on a subject that you do not know that much of yourself. If I were to criticize something it would be the model part representing use case 8. I have some difficulties to understand all of the associations in that part. But you still get the overview and that what is important.

# Summation

This domain model gives a good overview of the problem. In my opinion it passes grade 2.

# References

1. Larman C. Applying UML and Patterns 3rd Ed, 2005, ISBN: 0-13-148906-2