Workshop 1 - Grade 2

fp222du Group Peer review

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

Yes, as this model covers the domain and provides most of the needed conceptual classes. Because of this, it is easier now to come up with the software design model and software classes. [1] Chapter 9, section 3.

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

Larman states [1, p247] that in the real domain the association or relationship should be meaningful and clear. The domain model is understandable and has clear associations except for the multiplicity for some associations.

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

A domain model is a visual representation of conceptual classes or real-situation objects in a domain [MO95, Fowler96]. [1] In this model, all the necessary object-abstractions are included with relations between these abstractions.

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

a) Too many connections between Member and Boat. According to [1] Chapter 9, Section 14, we should avoid having too many connections as they make too much visual noise. Instead, it could be one connection named “Manages”.

b) A multiplicity connection between Member and CalendarEvent would be better than having two connections

c) Directions are ambiguous. According to Chapter 9, Section 14 [1], arrows help indicate the direction to read. If not present, the convention is that directions go top to bottom and left to right

d) Multiplicity is not defined for some associations. According to [1], the multiplicity value communicates how many instances can be validly associated with another at a particular moment.

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

Yes, according to Larman “There is no such thing as a single correct domain model” [1, p267]. Larman states that the most important thing for a domain model is that it should be understandable, has clear relationship and captures the essential information. According to Grade 2 criteria, your domain model is clear and has all the essential information which are required for passing grade 2.

# References

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| [1] | C. Larman, Applying UML and Patterns: An Introduction to Object-Oriented Analysis and Design and Iterative Development (3rd Edition), Addison Wesley Professional, 2004. |