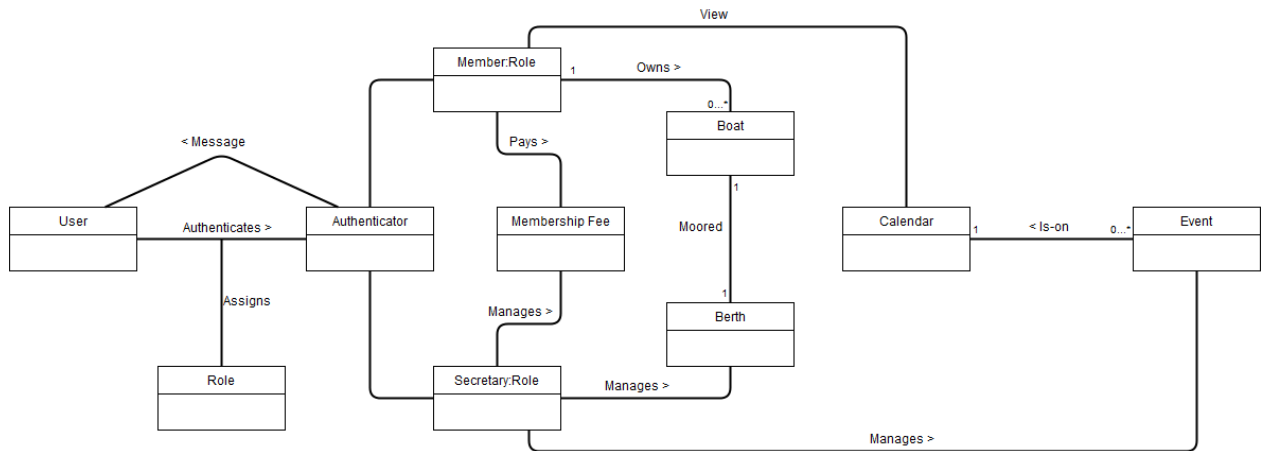


Object Oriented Analysis and Design (1DV600)
Workshop 1, Peer Review

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In trying to capture a fair review for this domain model, I will start by specifying its main strengths that qualify it to pass the grade 2 criteria.

The domain model is clear in specifying the multiplicity indicators between some classes, and only when needed. It also has a reading direction arrows for the associations, which is not strictly needed by the domain model [1, ch 9.14], but helps speeding up the understanding especially by the domain experts.

Although detailed enough and not bloated with unnecessary information, it would have been better if the "Membership Fee" class was discarded, because although it is mentioned in the problem description, it is an out-of-scope feature, and it is better to be excluded [1, ch 9.10]. As a subjective suggestion, it can be replaced with the "Treasurer" class, taking into consideration changing the associations accordingly, because it was mentioned in the problem description as an important conceptual class: "The biggest problem, however, has the club's treasurer". Additionally, The fact that it was mentioned in the first requirement "authenticates the person as a user role (Member, Treasurer, Secretary)" makes it more important to the domain model than the "Membership Fee".

Another thing that caught my eye is the associations between the three classes: "User", "Authenticator" and "Role". The "Authenticates" association, as it appear in the domain model, seems as if it is derived from the relations "User--Role" and "Authenticator--Role" which seems vague here, and can be made clear here [2, timestamp: 40:52-41:45]. Additionally, the "Message" relation between the "User" and the "Authenticator" classes translates from either or both of the "Authenticate" Use case:

"2. The system asks for log in information" and "2.1.1. The system presents an error message and asks for log in information again" which can appear in a sequence diagram,

and “time flow, with sequence of events or information flow are not shown in the domain model. [3]”

These two previous paragraphs, although seem a bit lengthy, in essence, convey a shy suggestion to drop the "Membership Fee" class, and reconsider the associations area between the "User", “Authenticator” and “Role" classes, so that they complete the rest of the, Grade 2 Criteria abiding, domain model.

References

- 1- Larman C., Applying UML and Patterns 3rd Ed, 2005, ISBN: 0131489062
- 2- Olsson T., An Online Lecture On Domain Modeling, 2016,
[https://youtu.be/Aeu_Bd738SM]
- 3- Unified Modeling Language Guide, May 13, 2001, [UML Domain Model:
<http://www.comptechdoc.org/independent/uml/begin/umldomainmodel.html>]