

Object Oriented Analysis and Design –

Workshop 2 Peer Review

- Sadly there was no code to review.
- Larman gives some good input how to depict which package different classes belong to. You should change your class diagram based on one of the alternatives[1] mentioned by him.
- In the class diagram you have an association from ApplicationMain, which is an interface, to Member and to StorageHandler. However, an interface (and now I speak from a Java perspective) only defines which methods it exposes to the outside world[2]. I.e. an interface has no state and thus can't it have an association to another class. It could possibly have a dependency to another class. This also means that I'm missing the class that is supposed to implement (realize) the ApplicationMain interface.
- It is not clear in the class diagram how StorageHandler is related to ApplicationMain and Member. Have a look at Larman's explanation of the Class Diagram Notation[3].
- The sequence diagrams do not adhere to the correct UML Interaction Diagram Notation. Have a look at Larman's illustrations[4] and change the pictures accordingly.
- The return messages in the sequence diagrams should be depicted with an open arrow[5], and not a closed arrow.

[1] Larman C., Applying UML and Patterns 3rd Ed, 2005, ISBN: 0131489062, page 202

[2] Java Tutorials - Interfaces, 2016-10-11, <https://docs.oracle.com/javase/tutorial/java/concepts/interface.html>

[3] Larman C., Applying UML and Patterns 3rd Ed, 2005, ISBN: 0131489062, page 250

[4] Larman C., Applying UML and Patterns 3rd Ed, 2005, ISBN: 0131489062, page 250

[5] UML basics - The sequence diagram, 2016-10-11, <http://www.ibm.com/developerworks/rational/library/3101.html>