

Facilitator: Olof Sjögren
Participants: Oscar Sanner, Olof Sjögren, Alex Phu, Yenan Wang
Location: Campus Johanneberg
Date: 2020-10-01

Meeting Agenda

Group meeting for group GoAyo.

§1 Objectives

- Update/discuss the design model UML.
- Meeting with Pelle, some have been questions prepared.
- Check up on everyone's progress so far this week.
- Prepare for work on RAD and SDD.

§2 Reports

- Olof and Oscar have completed their designated tasks for this week's code sprint. Login and registration functionality is now working. (US2 & US3)
- Yenan and Alex have refactored ViewModels and Adapters. They have also completed the tasks for US4, US5, US6 and US8 which represent Group creation, Group member addition, Debt addition and Debt settlement.
- Sadly we have lost a member, Gabriel Brattgård, who will be taking some time off and leave the group due to personal issues. Lost but not forgotten, will forever remain in our hearts.

§3 Discussion Items

- How will the design model UML be updated?
- What are our questions for today's TA meeting with Pelle?
- How are things going so far and what's left to be done? Who will take over the work assigned to Gabriel?
- How will the SDD and RAD work be structured?

§4 Outcomes and Assignments

- Started working on the updated UML for design model, now includes both View package and ViewModel in line with the MVVM-pattern.
- Topics that came up during our meeting with Pelle:
 - Pelle as well as *Effective Java* advocates for not using **doubles** for monetary applications but instead use Java's BigDecimal class in the standard library. Either this or rounding the double, but preferably the former option should be used.

- Pelle thought the UI looked good although he did point out some text which may be confusing as well as some well known bugs and unimplemented features.
- Pelle also noted that the hardcoded presets in ModelEngines constructor should be moved to a separate class.
- He also pointed out hardcoding preset data might not utilize the IDatabase interface. Presets should be set through said interface.
- Pelle also strongly encouraged us to create sequence diagrams.
- We had a question regarding the best way to implement an observer pattern for different specific observable parts. Pelle suggested different parts in Account should be observable however all adding and removing of observers should, like all other access to the model, go through the ModelEngine.
- We also had two quick questions regarding list and sets and how id:s should be handled in an object oriented model. Due to time constraints both these questions were only answered briefly.
 - Regarding the list vs set, Pelle mentioned there was no easy answer and it always depends. He did note we could use SortedSet for both indexing and uniqueness.
 - Regarding ID:s Pelle once again said there was no easy answer. However he did mention you could create your own version of Maps with a two way connection where both the key and the value are unique.
- Work is progressing nicely. Gabriel's work will be pushed until after the Peer Review hand in tomorrow. We will then discuss if it can be completed tomorrow or if it has to be pushed til next week's Code Sprint.
- SDD and RAD will be worked on a bit more today however the bulk of the work will be done after lunch tomorrow.

§5 End of Meeting

- SDD and RAD progress will continue tomorrow as previously mentioned
- Next meeting will be held tomorrow (2020-10-01, 13:00) at Campus Johanneberg.