

Individual reflections

Felix Erngård

May 5, 2023

Week 4

This week I initially had planned to focus on the home screen for the application, the first screen you see when you log on. However as we decided to rework our navigation system the user story of creating a home screen was postponed a little as it would depend on the reworked navigation. I instead focused my initial efforts on helping the team with the navigation system and only in the end of the sprint have I been able to work on the home screen.

Next week I would also like to learn more about the styling the application as this is one of the main focuses for the next sprint. I would also like to further deepen my knowledge of firebase, something I hope to be able to do next week as well as it also is one of the main tasks next sprint.

The things I mentioned that I would like to improve from the previous week I feel like I have successfully gained a better understanding of it.

One thing I might be able to help my team with next sprint is to teach the rest of the group how to work with firebase. As I have worked with it quite a lot now I feel like sharing the knowledge would benefit our team as I previously mentioned think that firebase will play a big part in the upcoming sprint.

Week 3

Last week I mentioned a desire to enhance my GUI and JavaFx knowledge. Unfortunately for me I had to focus my efforts on developing the back-end and database instead as I have had quite a lot of experience with those things previously. So for the next week I would still like to learn more about JavaFx and the front-end of the application. Another thing I would like to learn, hopefully next week, is MVC. I have previously had some experience with MVC but as our programming project in the course tda367 used MVP instead I never really practiced on how to implement MVP correctly.

This week I have, together with Pontus, implemented the final methods for connecting our application with the database. As of this week you can now also upload and retrieve quizzes for different users or based on the subjects they are tagged with. One thing I could improve to help the team during the upcoming sprints is checking in with people to see if they need help more, however this is also something I have improved quite a lot during this week's sprint.

I feel like the communication has become significantly better, however there is still room for improvement. Specifically I think I have improved my communication with others of what I am currently doing, thus improving our teamwork.

Week 2

One thing I want to learn during the next week is how to connect the GUI with the application in a good way. Currently we are only using the command line and it feels a bit redundant as everything will soon be removed. I have some previous knowledge about how to connect a GUI to the application but as we are using a completely different framework to do this compared to my previous experiences I find it interesting to learn from some of my more experienced teammates.

During this week I have continued to focus my work on the database. Together with Pontus and Alexander we have tried to continue the implementation of the database in a more generic way, thus hopefully simplifying use of the database in the future as we now have standard for how to do certain things. This has been done by making a common class for adding, removing and getting data from the database so each new type of connection to the database doesn't need the main connection itself. I have also been working on creating a class, with the help of builder pattern, to query things with multiple parameters in a more simple way, something I believe has turned out great.

As for the things I wanted to improve the previous week I feel like I've gained a clearer understanding on how the agile methodology works. I believe one of the main reasons for this has to do with our group having a more structured way of working this week compared to the previous week.

Week 1

Whilst working with the program I've noticed a few areas for personal improvement. One such area is the ability to work agile, thus always starting by constructing a minimal viable product before expanding and further elaborating on features. The main reason why I find this difficult is the fact that I want to finish things I've started and with the MVP methodology I personally feel like it leaves a lot of things unfinished, something I'm not fond of doing. In one of our previous courses we focused on using the waterfall method to expand our project, thus finishing parts of the product and then building more features and I might still be stuck in using this methodology instead.

My contributions towards the sprint goal this week has been to set up the database and establish the connection between our code base and the database, with the help of Gustav, Pontus and Alexander. I've also worked on trying to change the way we query data from the database to make the code more Open-closed, however there has been some difficulties with doing this as our database lacks full compatibility with JavaFx. If the way we query things changes to the next sprint I believe it would simplify a lot of things, leading to the project further developing with less problems.