

## **Sprint 1**

Since I am relatively experienced in application programming and have developed different types of software before, I want to learn more about the agile process and scrum. More specifically I want to improve my ability to work effectively in a team and develop a product where we are multiple developers developing the same product.

This first sprint was cut short due to Easter, thus my contribution to the team this sprint hasn't been much, I've read documentation for the database service we use. Since some others have used this database service before and I have not, I've mainly tried to catch up and learn from them. This first sprint has not been a lot of coding and 8 people coding was redundant this sprint which has allowed me to focus on learning about the database service. Next sprint I will focus on producing code that helps us move towards our sprint goal.

## **Sprint 2**

Now that we have gotten to work a bit more I still feel the same desire as last sprint. We have now gotten a taste of working agile and with scrum, and in some cases it has been hard to stay working agile and not fall back into old development patterns. Thus I still desire to further improve my ability to work agile and with scrum.

This week I have gotten to produce code and functionality connected to our database, which I spent the last sprint learning about. What I produced this sprint was a generic database class in which we later can call to fetch, delete and add data to and from the database within each class that will later be added. This class is used instead of having database functionality within each class that uses the database, thus it reduces redundant code and makes the application easier to extend. Next week's focus will be on implementing a GUI, so what I will do then is implementing GUI functionality.

Since this was the first full week sprint I have had the time to actually develop the product and learn how to use the database. This sprint has also been more structured since we now have a skeleton of the product as a foundation to build upon. This has made the tasks clearer.

## **Sprint 3**

This week my main tasks have been to implement parts of the new GUI together with most of our team members. My focus has been to implement a login page and a profile page. These were quite quick to implement basic versions of, however we soon realised that we needed some sort of main class to act as a middle man between the views in order to switch between views effectively and to avoid mutual dependencies. This class was not originally part of our sprint plan, however since I was done fairly quickly with my other tasks I started to implement one. This did not get finished this sprint but we now have a foundation to build upon for the next sprint where our focus will be to merge all the different GUI parts into one cohesive application.

The communication has been improved between the sub groups and we have worked more as a team everyone together this sprint.

## Sprint 4

This sprint I have not had the time to work as much as I'd hoped. The sprint was cut short due to the first of may on monday, but also that I had a lot to do outside of the project this week. This in addition to that we took on a bit too much work last sprint resulted in that it was a bit less work this sprint.

However we have worked mostly together in the team this sprint where we started with merging all the tasks from the previous sprint into one cohesive application. This took a lot of time but we now have completely moved from a CLI to a GUI which was well needed and the highest priority at this stage of the project. After we merged we also went through the package structure and changed the structure where it was needed.

My individual contribution this sprint has been to implement error handling and validation when it comes to logging in. Basically I've made the login page display error messages if the user inserts an email that is not registered or if the user writes the wrong password. Previously there has been no validation and when a user entered the wrong password the application just crashed.

## **Sprint 5**

Since we are in the final sprints now, this sprint has been mostly GUI design, styling and fixing details in the code. This week I have gotten a lot done which is fun, I have done a lot of GUI design by styling the login, register, profile and quiz collection pages. In addition to this I have added some minor tweaks in the existing code, e.g. added more error handling to handle a new error case that became relevant.

I feel like we have found a way of working that works for us and I wouldn't change it. We have grown as a team over the last few weeks and we have become a highly productive team.