Individual reflection report – Robert Nilsson

Week 1

In this first week we have formed our team and got some hands-on experience of a scrum exercise. My main takeaways from the exercise were that it was all out chaos. We did not use the poker planning cards to estimate time, we did not structure the work between team members as good as we could have (although better at each iteration), the individual roles were not clear, etc. But I think this is all good! It shows that we have much to learn and improve.

Having worked with different products, as a product owner for several years, I hope I can contribute with some of my experience to the team. I´m excited to learn and take part of the "other" side of a scrum team, as a developer.

Some goals for coming weeks:

Improve as a programmer. Learn to program with APIs. Deliver my expected parts in each sprint. Help and engage with the rest of the team members. Learn, understand, and use the agile software project management style.

Week 2

Mondays lecture, and especially the exercise "slicing the cake", gave some valuable insights. The idea of focusing on vertical items for user stories were helpful for when we later in the week started to create our own user stories for the actual project.

On Tuesday the whole team met for several ours of brainstorming, where we came up with our idea for the project. An app, mainly targeting young people, that will help with, and encourage, recycling. This is in line with UN sustainable development goal nr 13; Climate action. We prepared the business model and mockup for the Wednesday presentation.

Due to Covid I unfortunately missed our presentation, but from what I heard, the team did great.

On Thursday the team met digitally for discussing user stories. We use Jira scrum board, which so far seems to work great. We tried to adhere to the INVEST criteria, and considering it was our first go at this, I think it went ok. However this is something I look forward to improving on.

Next week our plan is to improve on the user stories, select some for our first sprint, and start to form tasks. Hopefully the SMART criteria will aid us in that endeavor.

As a short note on the team collaboration so far. Everyone is really engaged and helpful, and I feel we all want this project to succeed.

Week 3

On Monday parts of the team met for our first supervision. Unfortunately, I could not attend since still being affected by covid. I instead put together a document with answers to the questions that

were to be discussed during that meeting for the team. I was happy to hear that the TA thought that we were on a good start with our project.

On Tuesday the team met for our first official scrum/sprint-start-meeting. We decided that Tuesdays will be the regular day of the week for us to meet up. Having almost all members attending different courses, Tuesday seems to be the day were all have a "free" spot. We polished our user stories, assigned tasks to the sprint, and made time estimates. This will be especially interesting, how well we estimate tasks. My guess is that we will be a bit off, but that we will improve during the project's progression.

So far many tasks has been done according to estimated time, but setting up our working environment and getting started with the actual coding has proved a bit harder then expected. There is much new to learn and I´m excited to learn it.

Due to Tuesdays being our regular meetup, we decided to run sprints from Tuesday to end of Monday. We will start our Tuesdays with a sprint review and team reflection, and then continue with setting up next sprint.

As last week, I think all team members really make an effort for this to succeed.

Week 4

On Monday supervision we got some good suggestions on what to focus on for our upcoming sprint. The Tuesday regular meeting was a bit unstructured, but we did the team review and setup our next sprint. My hope is that we can be more structured and effective on our next meeting. As for the tasks we assigned for the group it looks like we will finish them all. Although we assigned the tasks to specific members we have tried to all help each other. It has been an immense workload coming in from the other course I attend, so I have not been able to put as much time as I wanted on this sprint. That said, we still have managed to achieve this sprint, a sign of really good collaboration from all team members. My hope is that we can have a MVP after next sprint. I think this will be achievable since we have already a good foundation. I´m looking forward to hopefully more coding next sprint.

Week 5

Our sprint review meeting went well and we talked about our KPIs and how we could improve on them. This sprint had it´s main focus on producing a MVP, and tasks were selected with that in mind. We had our minds set on using a remote/cloud database, however we run into some obstacles here. Even though still trying to achieve this, we made the decision to implement a local database using SQlite, as a backup. This was done successfully. Allot of work went into debugging the Vision API, which eventually bear fruit. The team has really worked great together in achieving the MVP, with lots of collaboration.

For next sprint I hope we can get the cloud database working, and also finetune the product.

Week 6

We got the cloud database working and wanted to utilize it together with the local database. The idea we implemented was that upon the first search in our local database, we first check if a newer

database exists in the cloud. If it does, we download that one and update the internal database. In this way we will always use the internal database for queries, which will improve performance and reduce network traffic. It also allow us to update the database without the need of updating the actual application. In this sprint I think we really manage to get the product to a solid MVP. The team collaboration was, as in previous sprints, good. Our focus for next sprint should be to finetune, write tests and implement some last few features that our PO have requested.