Team Reflection Course Week 8 - (Ahch-To)

Customer Value and Scope

- **The chosen scope of the application under development including the priority of features and for whom you are creating value**

When we first planned the project we wanted to be sure to reach MVP at least one week early to be able to fix unforeseen problems, and eventually add extra functionalities. This week was the last sprint of the project and we did just that, added the final touches, reviewed the code commentaries. Our focus is both to keep the stakeholder happy, and to make the application easy to use and to feel welcoming to the user.

Although very hard to know in the beginning, a next project might be larger, and better defined, from the start. Spending more time estimating the project and the user stories would benefit development flow and planning.

- **The success criteria for the team in terms of what you want to achieve within the project (this can include the application, but also your learning outcomes, your teamwork, or your effort)**

Since this is our last week of this project, we can say that we have learned a lot and improved our knowledge and skills working as a whole group. Regardless of what we are making in the future, we believe that we have learned to manage working as a team and come up with a successful project in the end. Since we have the rapport to make, we want to learn more about how to write a rapport that contains only important information without spending too much time on unnecessary and repeated information.

- **Your user stories in terms of using a standard pattern, acceptance criteria, task breakdown and effort estimation and how this influenced the way you worked and created value**

In the beginning we did not fully use the correct pattern when writing the description of the user stories, this was later fixed however and we now have proper ones. When we developed the product from our user stories we made sure to not overdo any parts as we only wanted to ensure that we followed the acceptance criteria and that we did not spend too much time so we overdid the effort estimation. This was quite a nice structure and for further projects we would do it similarly.

- **Your acceptance tests, such as how they were performed, with whom, and which value they provided for you and the other stakeholders**

After each week the PO was to accept the completed user story given the acceptance criteria with inputs from the developers if something seemed off. The user stories were created in the beginning and the acceptance criteria and user story points (the value to the customer) was decided among us all. Apart from that we also had an external stakeholder of which would provide us with feedback on what could be improved or changed. This had worked quite well and we believe it would for future projects as well.

- **The three KPIs you use for monitoring your progress and how you use them to improve your process**

Well, we have been using three different kinds of KPIs from the first week to the last week now. Those are the Burnup chart, our weekly team reflection and finally the reflection we get from our stakeholders. The Burnup chart helps us to get an overview of how efficient and effective we are in each sprint. The team reflection gives an opportunity to reflect over how the week went and how we performed as a group. The stakeholders reflection is an eye out of the group for us, thus it can be important to hear someone else reflect over our decisions. In mind that everything has been working well, we haven't talked about restructuring our KPIs.

Application of Scrum

- **The roles you have used within the team and their impact on your work**

During all the sprints we had a rotating scrum master and an internal product owner. This week Tor was the scrum master and Christoffer is the product owner as usual. As the product owner is internal, it would normally create some weird bias situation, but we believe it has worked very well and it did not affect our work in a bad way as we have kept up good communication within the team. In the future we might have chosen an external product owner, but that would also complicate some parts as it would be more difficult to manage meetings.

- **The agile practices you have used and their impact on your work**

During 8 weeks we have developed our skills and knowledge about how to work with the methodology scrum. We believe that this kind of practice during the course has impacted our work in a good way. All agile practices we used the first week are still in use, and have been working well. Three meetings a week, startup on Monday, "how are we doing" on Wednesday, and closing the sprint on Fridays.

This has proved itself to be a working concept thus it has sustainably holded until the final week. We have added a couple of KPI's since week 4. Every week we measure our progress with a burn-up chart to get an idea of how much is left. We get feedback from our stakeholders every week. We have also introduced a team retrospective chart visually where we discuss what made the team glad, sad and mad since week four, we have otherwise done team retrospective orally each week on Fridays.

- **The sprint review and how it relates to your scope and customer value (Did you have a PO, if yes, who?, if no, how did you carry out the review? Did the review result in a re-prioritisation of user stories? How did the reviews relate to your DoD? Did the feedback change your way of working?)**

This sprint was focused on completing the deliverables of the course since our product was deemed to be finished. When handing in our product we will be having a final review of the code which will be approved by both the PO and the team. The stakeholder has already approved of the final product during last sprint's stakeholder meeting. This sprints review will be to approve the final hand-in of the project github and what is written of the final report. If we were to continue on with the project as before we should conduct the sprint review as before since it has been working wellt.

- **Best practices for learning and using new tools and technologies (IDEs, version control, scrum boards etc.; do not only describe which tools you used but focus on how you developed the expertise to use them)**

The weekly meeting structure we have used throughout the project has proven successful. Monday startup meetings, choosing and handing out user stories and discussing each one in some detail, helps each member to have a greater understanding of what is expected. Wednesday meetings for checking in on progress, and if any problems arise, a collective effort to solve these is comforting and necessary, so that no one gets entirely stuck for the whole week. In a similar way the Friday meetings are used for merging everyone's effort into the main branch and making sure that it is working as expected. This kind of collective helping and learning has helped a lot.

For future projects having at least one person researching and handling, or at least informing, the rest of the team about a specific tool, might be a good way to increase learning.

- **Relation to literature and guest lectures (how do your reflections relate to what others have to say?)**

This last week we have reflected on Agile practices and how they have impacted our working conditions and the result. There are many positive aspects, one of the main

ones being user stories and the way they help splitting a large project into smaller tasks that are easier to grasp. It both helps to relieve stress and to clarify the goal of the task at hand. KPIs help us to get a grasp on how much is left, further (in a good scenario) relieving stress.