Team Reflection Week 5

Group 16

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Agile Software Project Management [DAT257]

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Contents

1 Customer Value and Scope

1.1 Success Criteria

We are currently working on creating a valuable product for our external stakeholder, and want to do this by working in an agile way. Our main goal in this course is to learn about working as a team by using available agile practices. To get there, we need to know how to use the different Scrum techniques and be able to improve our work with these methods. Another important aspect is to learn how and what to communicate to become a more efficient group. In the past few weeks, we have put most of our effort into working as an agile group and see an improvement every week, which we think our KPIs and work process reflect.

1.2 User Stories

We have spent a lot of time on improving and updating our user stories, as well as breaking them down into more concrete and independent tasks. After this sprint, the group felt that we had written better tasks and improved our user stories, as well as their priority order in the product backlog. To keep this progress and improve our user stories and task breakdown even further, we will try to focus more on value creation with regards to the stakeholder when updating our product backlog and also use the experience we have gained so far working with Scrum.

We still have had some issues with estimation, they have improved, but we seem to still underestimate the more basic tasks, while the bigger ones get overestimated. We think gaining more experience on working with coding a website and the different aspects of our application will make it easier in the future to estimate coming tasks.

1.3 Key Performance Indication

1.3.1 How many points, out of the week's velocity, did we achieve in relation to our week's target?

This week's velocity: 63 points
Completed points: 61 points.

Team Member	Time Spent
Thomas Jinton	6
Jennifer Krogh	7
Ludvig Lindell	5
Jesper Lundgren	5
Johan Nilsson	5
Emma Pettersson	6
Antonia Welzel	12
Total	46

We use this KPI to check how many points we completed in regards to our velocity. Then we also write how many hours each team member put down towards that tasks. This will help us better understand how our estimates are linked to the time spent. This way we can then improve our ability to make better estimates. It also verifies that members on average put down an equal amount of work each week.

1.3.2 Have we been able to improve problems we identified the week before during the sprint review? (1 - 10, where 10 is major improvement, 5 relatively unchanged, 1 is a lot worse than before)

Problems identified last week:

- Task breakdown

- Estimates

- Comment code, for the one member that forgot about it

Voter Name	Vote
Thomas Jinton	8
Jennifer Krogh	8
Ludvig Lindell	8
Jesper Lundgren	8
Johan Nilsson	7
Emma Pettersson	8
Antonia Welzel	8
Average	7.86

This KPI measures to what degree the group members feel that the problems found last sprint have been solved. It helps us to verify whether a specific approach has worked or if we need to try something else. This helps us work more efficient and ultimately, it lets us deliver a better product.

1.3.3 How satisfied, on a scale of 1 to 10, is each team member with this week's sprint? Where 10 is very happy and 1 is very unhappy

Voter Name	Vote
Thomas Jinton	7
Jennifer Krogh	7
Ludvig Lindell	7
Jesper Lundgren	8
Johan Nilsson	8
Emma Pettersson	8
Antonia Welzel	8
Average	7.57

This KPI is used to measure how satisfied each group member is with the sprint. It can be used to verify that all members feel that they are a part of the team and that the team as a whole is making progress with both the project, teamwork and scrum related skills.

2   Social Contract and Effort

2.1   Social Contract

We discussed adding our KPIs and our Definition of Done to the Social Contract. We decided that the DoD should be added to the Social Contract, but we are unsure about the KPI:s and decided to ask about it during our next supervised meeting before doing anything.

3   Design Decisions and Product Structure

3.1   Technical Documentation

We have used Javadoc to comment our code. We use this to make it easier for the people who haven't written the code, so they can still understand it. In addition to Javadoc, we also write "normal" comments for code that can be a bit difficult to understand.

3.2   Usage and Updating of Documentation

We comment our code continuously while writing it, to ensure that the comments are accurate and up to date. When we commit to git, we write decently descriptive commit messages so that the other team members can stay up to date on what has been done. The commit messages could be better, of course, but it can sometimes be hard to put all the work into just a few words.

3.3   Code Quality and Standards

We decided that we had to write better comments for our code, and thus we began to add JSDoc to our code. We discussed doing code reviews, but will have to ask our supervisor a bit more about it during our next meeting. Code reviews would ensure that all the code follows the same naming conventions and coding style, etc., making it easier for people to read and understand without becoming confused due to minor/major differences in coding styles.

4   Application of Scrum

4.1   Sprint Review

During our sprint review, everyone showed off the work that they had done this week. We discussed how much time we spent in relation to how much time we were supposed to spend, and how we can bring those two closer together the next sprint.

We used our DoD to decide which tasks we should move to "Done", and which ones needed some more work before they were ready to move on. Since every team member is a PO, we consult each other to decide which criteria have been fulfilled.

4.2   Best Practices

Our Trello board is used for a lot of things. It is our main hub, were we keep track of everything that needs to be done, and has been done. It obviously houses our product backlog, sprint backlog, etc., but it also helps us keep track of the course deadlines, our planned meetings, and all the questions we have for our supervisor.

We also use it to keep track of which points we have talked about in these team reflection, so that we discuss them all at least twice.

4.3   Relation to Literature and Guest Lectures

The course does not have a lot of lectures. We had a few in the beginning, but now the focus lies on the group and our agile process. We go back to the lecture slides when we need a refresher on topics that we have forgotten about, such as when we decided on our KPI:s. In addition to the lecture slides, we have spent a lot of time searching around the web for answers on how to work using the agile mindset.

We have also tried to implement the different tips from a guest lecture on working remotely. It has gone well, we communicate regularly and have set aside time for meetings with everyone present. We also work with keeping everyone onboard and on track with the project and are prioritizing the well-being of the group members.