Team reflection - Yavin - Week 5

From now on we will highlight the points we don't discuss in red so that it's easier for us to see what potentially needs to be discussed in more detail at a later reflection session.

Customer Value and Scope

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

This week was the first week where we had proper discussions with our stakeholder. After initial feedback during week 4, we further developed our product scope in order to strengthen customer value. Jakob gave us good feedback on the choice of expanded data which he requested during our first session last week. This week he also suggested that we take some time to choose a robust method of visualizing the data given that we have chosen Java as our language, where data visualization is not as commonly done as some of the Python packages available. His main point was that in order for our product to earn true value for our customer, our choice of visualization is crucial to ensure a qualitative user experience.

- *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)*

This week has been more focused on future production compared to last week which we primarily used for learning implementation of our vision. Moreover, the backlog we had from previous weeks was largely taken care of. During this week, one team member has been away for two weekdays for work. However, the team member compensated by doing his share of work on off-hours. In conclusion, we achieved a fair bit in terms of our vision for what we wanted to accomplish this week, and how much effort each and everyone put in.

- 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
- your acceptance tests, such as how they were performed, with whom, and which value they provided for you and the other stakeholders
- the three KPIs you use for monitoring your progress and how you use them to improve your process

  Burndown:

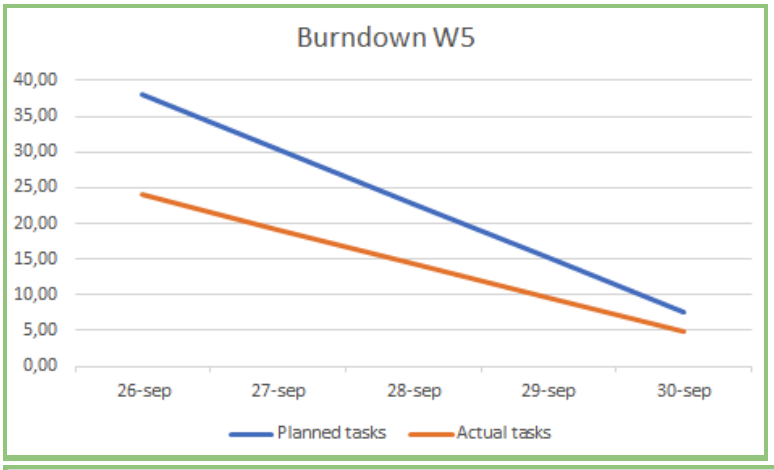
  As this breakdown is only for the given week, there are less tasks completed in relation to last team reflection. We do however notice, when looking at tasks being completed that the tasks being performed are high-value tasks in terms of their contribution to added functionality.

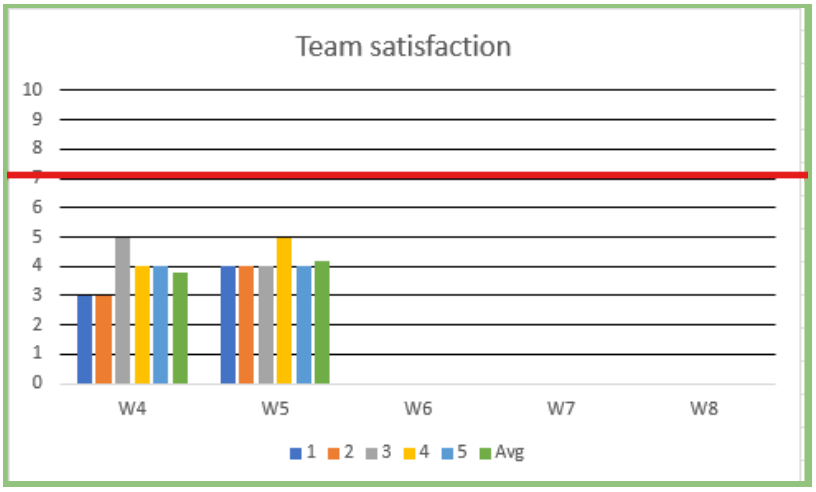
Team satisfaction:

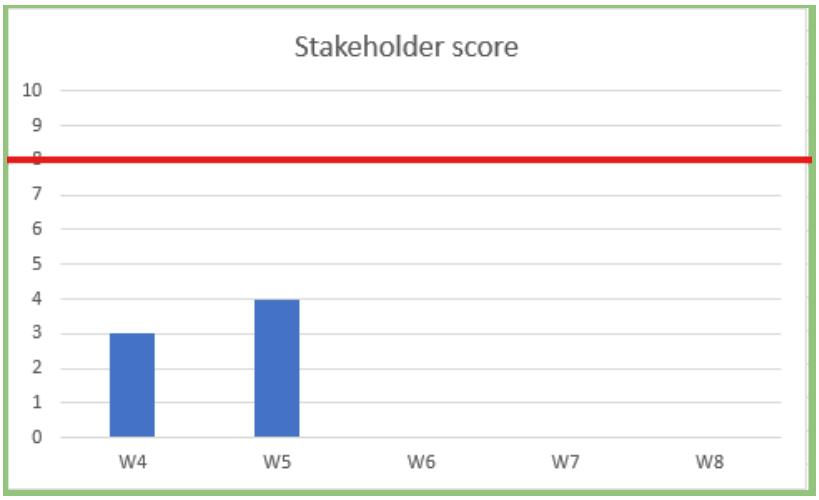
All team members agreed that we are more satisfied with our work this week, compared to last week although everyone still felt that we could have done better this week. Either by spending more time on the project, or by simply being more efficient.

Stakeholder Score (satisfaction):

We received acknowledgement that our stakeholder liked our proposed scope for the data, furthermore we articulated that a competitive application needs to have a highly appealing visual interface. We attribute the slight increase in satisfaction to us meeting his expectations in terms of scope of data.


Burndown W5
40,00
35,00
30,00
25,00
20,00
15,00
10,00
5,00
0,00
26-sep
27-sep
28-sep
29-sep
30-sep
Planned tasks
Actual tasks


Team satisfaction
10
9
8
7
6
5
4
3
2
1
0
W4
W5
W6
W7
W8
1
2
3
4
5
Avg


Stakeholder score
10
9
8
7
6
5
4
3
2
1
0
W4
W5
W6
W7
W8

Social Contract and Effort

- your social contract (Links to an external site.), i.e., the rules that define how you work together as a team, how it influenced your work, and how it evolved during the project (this means, of course, you should create one in the first week and continuously update it when the need arrives).

During the week 4 sprint we decided that the social contract should be amended with the following, (this formulation and amendment was done during week 5); *“An individual backlog is acceptable so long as it is priorly communicated and other tasks are independent on its completion. This individual backlog must however be compensated at a later date so that equal contribution is met.”*

- the time you have spent on the course and how it relates to what you delivered (so keep track of your hours so you can describe the current situation)

Design decisions and product structure

- how your design decisions (e.g., choice of APIs, architecture patterns, behavior) support customer value

Erik and Lukas Lidvall initially worked this week to implement a general API from SCB, rather than accessing individual data tables through their own APIs. This, in theory, allowed us to simplify and streamline the data collection process, since now we could then access all our required data within the application. However, when this idea was reviewed by team-members more knowledgeable about the data-retrieval, only limited benefits could be realized as some misunderstandings about the functionality of POST requests had guided the assumptions of the conclusions drawn by Erik and Lidvall.

- which technical documentation you use and why (e.g. use cases, interaction diagrams, class diagrams, domain models or component diagrams, text documents)

We realized throughout self-guided work that there was some confusion within the team on the intended final structure of the program. We therefore opted to create a simple UML diagram to be used as a communication tool within the project group. This helped us reach a common understanding of the intended structure and will hopefully result in less confusion on prior decisions taken. The UML diagram can be viewed in the repository.

- how you use and update your documentation throughout the sprints

We seek to continuously, as appropriate, update the UML diagram to ensure a single source of truth within the team.

Application of Scrum

There have been no significant developments in the application of scrum for this week.

- the roles you have used within the team and their impact on your work
- the agile practices you have used and their impact on your work
- 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?)

The developments regarding design decisions aided us in realizing the need for a better DoD process, as we realized that with our current DoD we do not achieve full-team understanding. Hence, in the future we will require that all team-members understand and accept the contributions.

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