Team Reflection w6

Sony Walkman WM-FX 199

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)*

- The group has been a bit bad at updating the social contract. Probably because the team work has been good and no one felt like we needed to spend time on the social contract. In other words, there hasn't been a great need for a social contract so far since our team work has been next to frictionless.
- However, it's good to be prepared and we should probably spend some more time reviewing it during next week.

There is a survey (Links to an external site.) you can use for evaluating how the team is perceiving the process and if it is used by several teams it will also help you to assess if your team is following a general pattern or not.

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)

- We have a calendar together where we book meetings, both for the whole team and also meetings with the smaller working groups. For example, everyone can see when fronendteam 1 has planned a session during the week, which shows the other team members how much they plan to work.
- Because of these smaller groups, everyone has to contribute with their time since it will be obvious if one of 2 members in a group always skips out.
- In the beginning, a lot of time was spent on getting into the new team, understanding the task given from our PO, learning new programs and discussing the scrum framework and how we should work with it.
- Now, later in the course, we probably spend about the same time, maybe a bit more time, but this time is much more effective and productive than in the beginning of the course. We are now much more aware of what needs to be done and where we are heading, which feels good. We have tried to cut down on meeting time to try and be as effective as possible during the meetings.

Design decisions and product structure

- ***How your design decisions (e.g., choice of APIs, architecture patterns, behaviour) support customer value***

- We have continuously iterated on our database design to provide value to our PO as well as to keep the database as minimal as possible. There were a lot of issues we noticed during the development of the backend which were caused by an overly complicated design of the database. Once again, it reminded us of why MVP is important and extendibility is **evil**.

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

- In the backend repository we have made use of GitHub's wiki function to provide a simple documentation of the APIs we have.
- The frontend still uses the figma-model as their main form of documentation.

- ***How you use and update your documentation throughout the sprints***

- The GitHub wiki is maintained and updated by the backend team regularly, usually after the actual implementation is finished.
- For the frontend we have our figma model as a base, which is updated when a new feature is to be implemented or when we receive feedback from the PO. The model has so far been updated every week, and has been worked on by all members of the team. The updates are done by whoever is responsible that week. (in the beginning the GUI team, later the frontend teams working on new features).

- ***How you ensure code quality and enforce coding standards***

- We installed an automatic code analyzer in one of our github-repositories to check all of our code. We have not installed it to the other repository yet, but check if it is compatible with that one as well.
- Code needs to be reviewed by some other team member(s) before it can be seen as finished.
- There have been some unusual/bad-practice ways to solve problems, but those are temporary and parts we will work on in the future, but are used until we can find the proper way to implement what we want. Finding a proper solution is a high priority.
- We aim to maintain our standard in the future since it is working for us as for now. If we encounter major problems with our current standard, we need to discuss this with the whole team and enforce a new standard if it is needed.

Application of Scrum

- ***The roles you have used within the team and their impact on your work***
  - In the first week we assigned three different roles:
    - scrum master, backend lead and frontend lead

- ○ The roles have been quite loose this week. We have had a hard time applying the roles in the process since the purpose of them hasn't really sunk in.
- **The agile practices you have used and their impact on your work**
  - ○ In the beginning we had a waterfall work methodology. After discussing with the TA he advised us to adapt the slice the cake approach instead which has improved the synchronization of the smaller teams.
- **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 sprint review meeting with the PO was a lot more structured this week since we were more prepared. We landed on actually exporting a prototype for the PO each week to force us into a build and not let loose branches hang around.
- **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)**
  - ○ One lesson this week was not to try to learn a new tool inside the application. It brings too many factors that can go wrong. Instead dedicate a separate learning environment to learn the skill and then implement it in the application later.
- **Relation to literature and guest lectures (how do your reflections relate to what others have to say?)**
  - ○ After reading some litterature, we realised we spent a bit too much time on having meetings and planning → tried to shorten these down.