Team reflection week 6 - RCA CT-100

Customer Value and Scope

- **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)**

We are considering the following our success criteria for our team:

- We want to create an application that is usable and user friendly for our client that they are satisfied with.
- We want to learn about the stack we have chosen for this project.
- We want to learn how to grow as a team and learn how to work in an agile environment.
- We want to learn the process of working with a client and how to create value for them.

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

Acceptance tests are mainly made by the development team together when all acceptance criteria are fulfilled, during one of our three stand-ups per week. The last thing in the DoD is that our stakeholder must be satisfied too and that is ensured at each sprint review and that is also when we can really define a user story to be completely done.

After each sprint review we also discuss what user stories our stakeholder wants to be prioritized to the next week and there we also define the acceptance criterias together.

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

We now have chosen the following KPI's as stated in the previous reflection:

- Amount of hours of effort put into the project each sprint.
- A burn up chart to track our progress.
- The overall happiness of our external client Linda with the product.

We use the tracking hours KPI at the end of the sprint to see if the amount of time we spent on tasks and the project all together is equivalent to what our estimations state. This is because we want to improve our estimations and efficiency during our sprints and this is a vital part of our sprint retrospective. The burn-up chart for this would also suffice, giving us a good visual representation of the sprint or the entire project.

The satisfaction of Linda is also a vital part of our process, it gives us instant feedback if the sprint was a success or a failure, it is very important to us that we work together and in the same direction. Any indication from Linda that our visions for the project are drifting apart would be apparent in this KPI.

Design decisions and product structure

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

We use modern frameworks to create our website which leads to a more responsive and reactive website and a better experience for our users.

We host our website on an external hosting service so our stakeholder can follow our progress and use the site when and how she wants.

We have implemented Google's Books API so that our customers can search for books rather than entering all data by hand, as well as get introductions to the books.

We use an external database so that we can work more efficiently and our stakeholder can see our changes in real time.

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

Right now we are checking code quality by debugging and console logging to check that our functions are behaving as expected.

Right now the file for our queries are quite convoluted, which halts our production

speed and also makes the queries more unreadable. We are going to restructure this into seperate file to make it more navigable and more readable.

We are also looking at the possibility of trying a library/framework for writing tests, but we are also considering just writing our own tests.

We have also changed up our git workflow. For each sprint we create a designated sprint branch, in which we merge smaller branches where we implement the different tasks for the sprint. This also makes it easier to do our codes reviews, which also improves our code quality.

Application of Scrum

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

We attended all lectures during the course and related to the theory discussed there. We have also read the blog posts Håkan published in the "Discussion" tab on Canvas plus some on our own regarding the application of scrum in different companies and organizations. We have used React's own documentation on React to develop skills in the start and then to solve problems along the way of programming the site. Stack Overflow is also used to solve specific problems. We have also used some "complete guides", e.g. to CSS. We don't see what is meant by guest lectures since we have had none, but our supervisor has helped us to pinpoint the areas of agile management which we have been missing on our own which was KPI's and code quality.

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)**
  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.

[link to contract](#)

We wrote our social contract the first week of the course and haven't changed it since then. There haven't been any serious violations to the contract that have affected the group in a negative way.

The part about having three weekly meetings have helped us to get lots of work done and share our progress within the group.

If we feel like a change has to be made in the contract we will update it, but we discussed it thoroughly and came up with a good and solid contract from the beginning.