

Sprint 4 end meeting
12/10-2021

What has been done?

Ramza: user story 27 with valeria not done. It went well starting the tasks but questions arise on how to implement them. Many points could have been further discussed with the group. Distance calculation gave some disagreement which halted the progression of the task.

Molly: finished user story #1 after some issues with emulator and compiler

Erik: worked together with joakim on the database. Had a great discussion last friday which led to the database working. What's left is cleanup work and implementing queries. Not completely finished but it is up and running. User story 9.1 is completed. Tasks 9.2 and 9.2 not done

Joakim: working on update methods. Will be working further with Erik to finish up user story 9.2 and 9.3. User story 27 needs 9.1 to be completed so joakim and Erik will create PR for user story 9.1. Getting distance between two points can be found in osmdroid.

Daniel: Finished user story 25. Working on Choose destination task, having some trouble with PR #26 and has some confusion. Discussed with Valeria who is responsible for the task to clear up some confusions. Create on screen dialog for verification for ending route. Will post information from osmdroid to help Valeria & Ramza and Erik & Joakim

Valeria: Working with Ramza on distance task. Have some confusion regarding the location handler, which is no longer needed for the project. Will Discuss with Daniel further. Getting distance between two points can be found in osmdroid.

What went well?

Good communications between task members contributing to a good workflow.

What couldve been done better?

More focus on finishing tasks for this sprint could have been improved. The group might be taking on too much work during the sprints since the last few end meetings have had less completed tasks. Effort estimation will therefore be reevaluated. Group members are waiting for PR to be reviewed.

How will remaining tasks be completed?

Ramza & Valeria: will spend time today to finish their task. Will need help with general questions and how to connect to database. Help will be given for the next sprint

Erik & Joakim: Planning on having a meeting after the end-meeting to determine how to continue the work for the database (user story 9). If everything goes as planned today with 9.2 and Update function then it will be done by tomorrow, but hopefully today. No extra help for now.

KPI's: Velocity: 4 completed user stories out of 55

Control chart: 3, 3, 5, 3, 3, 5 = 3.6 ratings

Reviews & testing: = 0

#5: 1 re-review

#24: 0 re-reviews

#23: 0 re-reviews

#11: 0 re-reviews

#10: 0 re-reviews

Changes for sprint 5:

Report & presentation: who, what, when

- Make a team reflection for sprint 4
- Should discuss points in team reflections for end meeting
- - first two points today then the last 2 ones for next end meeting.

Next sprint is last sprint: Put all resources on finishing the fundamental parts of the app that isn't done.

Notes from today's meeting with teachers:

- Final report questions to think about: what have you learned, what worked/what didn't work, was it a disaster/what was a disaster,
- Shared understanding of the software
- Making sense: enough details for someone who wasn't there to understand
- **Read me file:** who's who, structure, git info, link to scrum board(if you used trello for example), link to drive,src, reflections, weekly/individual reflections, App(prototype)

Go through Social Contract once more

assign team reflection work

Customer Value and Scope

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

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.
- 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)

Project scope/Customer value

The project scope was created in the beginning of the course. The group took into consideration that we have a limited amount of time to finish the project, and adjusted the scope accordingly.

Value has primarily been added for the user of the application and to the developers. The team has prioritized core features that would create engagement from the users. The team has had discussions together to find out what features are the most important for the users of the application.

While the team has not talked a lot about success criterias about learning outcomes, teamwork or effort, each team member has in fact had their own success criterias during the course. We have mostly focused on having joint success criterias for the application itself.

We should have done effort estimation for all of the user stories as they are created. By waiting with the effort estimation, we have had some issues with how many user stories that the team can take on during one sprint. Acceptance criterias have been overlooked in some of the user stories since most of the user stories have been created during the sprint planning meetings, which has lead to stress when creating user stories, which in turn leads to poor or no acceptance criterias.

The group has not had a clear strategy for testing the software. We talked about using unit testing with JUnit, but that never happened. During the project, we established a dedicated DoD file which consists of clearer review criterias to decide when something is truly done. But for testing the software, we have only used manual tests so far.

We have our three KPIs, we fill them out every sprint, but we don't use them for anything in special. They are however a motivational factor for the team members, they make each team member want to work more every sprint. We haven't talked about ideal values for the KPIs, so we don't really have any values that we are working towards.

To get to the point where we want to be with regards to effort estimation, creation of user stories and acceptance criterias, we will re-evaluate the effort estimation for existing user stories. We will also try to perform effort estimation for user stories as soon as they are created. We will also try to create user stories throughout the entire sprint. This will give us more time to create each user story, as well as creating good acceptance criterias for each user story.

Social contract and effort

The social contract has been used as a guideline when working with the project. We haven't had any team meetings when we take another look at the contract, discussing it further and possibly changing it, but that is planned for the sprint planning meeting tomorrow.

Most of us have looked through the contract in the beginning of the course, but haven't really used it afterwards. Some of us have been checking out the updated versions, but again, not really used it afterwards. Main reason is that the content of the social contract felt obvious and didn't need to be checked more than once.

The social contract has been seen as a tool to resolve potential conflicts throughout the project, but we haven't really had any conflicts, therefore we haven't had to actively use the social contract all the time.

We have developed an Android application during our project, and some team members haven't worked with Android development before. Therefore it has been more time consuming to debug errors compared to working with native Java code. Lots of Java classes have been written, but the team doesn't feel like the amount of classes written corresponds well to the features that

have been added. Also other tools such as git for version control has proved to be time consuming because the team members have different previous experience with it. All in all, the hours spent on the project are well balanced with the features that have been finished.