# Sprint 2 end meeting
28/9-2021

- plan the object structure of the database.
- Team reflection report
- individual reports
- JUnit testing of code
- Product owner will review PR and merge them once they are approved
- Discord notification for PR
- template for User story 19

What has been done?

**Erik:** working on 18 with ramza which is finished, and also working on user story 19 working with Valeria. Some miscommunication caused unified reviews which disrupted the workflow. Task 19 is still in progress. Have been helping other team members with their tasks and user stories as well.

**Daniel:** Finished 3.3 and 3.4 from the last sprint. User story 5 set reference spot on the map. Got the position of the images and showed them on the map which got finished. Task 5.2 need to be refactored but other than that it is pretty much finished

**Valeria:** Finished with task 7 from sprint 1 and merged with master. Started refactoring code into MVC pattern which will continue into sprint 2.

**Joakim:** Working on trying to convert object models to fit into the database and be able to update correctly. Created achievement and board to show those achievements as well as their descriptions. Right now trying to work out how to communicate with the database and draw statistics to make the database work, won't be able to finish this sprint due the task being larger than anticipated.

**Ramza:** Add destination to map. Struggled and was a lot harder than what it had to be. The code is still not functioning and is being completed.

**Molly:** Completed task 9.1 creating database. Due to being late/busy the PR did not fit into this sprint

## What went well this sprint?
The group did better at creating the user stories, they could be worked on in parallel which the previous ones could not. In this sprint the group was also good at communicating, even within task members the communication and cooperation was better than last sprint. Specifying was done very well at the sprint start meeting. Understanding of SCRUM and its implementation of the workflow is increasing among team members.

## What could've been done better?

The user stories could still be improved on its ability to be run parallel to each other. User stories could have been smaller and more specified to reduce workload. More preparation for the user stories and plan for potential hiccups along the way. For example, more focus on effort estimation to prepare for this. The database implementation was very overwhelming. Unclear planning of the task executions has been causing extra time to work on tasks.

**How/when will the remaining tasks be finished?**

**Erik:** User story 19 is unfinished because it started too late. Has to talk to Valeria to coordinate the work, hopefully it can be finished tomorrow or on thursday. No further assistance requested at the moment.

**Valeria**: User story 19, would need some help from Erik, plan 1 hour today to get help on planning the project. Unknown when the task will be finished due to unfamiliarity with its complexity. Aiming on finishing tomorrow.

**Daniel**: Done, waiting for PR

**Joakim**: Thinks will be able to finish the object structure tomorrow, then further tasks. Unsure of the estimation for when it will be done. Requesting help if anyone has time as it would help. Issue is that we would have to plan the object structure of the database.

**Ramza**: Not done, would like to finish by herself. If not finished by today will request help from the rest of the group.

**Molly**: done with task 9.1. Available to help.

**KPI's**
Velocity: Completed user story 5 out of total 6
Control chart: 2, 5, 5, 2, 1, 3, 2, 9, 1, 7, 4 = 3.7 average
Reviews & testing: 5 merged PR.
- Formula for testing & review efficiency: 3 + 1+ 1+ 3+ 1 + 2 = 11 / 5 = 2.2
- 3.1: 3 reviews in total
- 7.1: 1 review in total
- 7.2: 3 reviews in total
- 18.1: 1 reviews in total
- 3: 2 reviews in total

Changes for sprint 2 reflection
Because of other user story work, Branch coverage tests have not been implemented yet. Joakim has been testing his own work and has been going okay so far. Wondering if we should have a separate testing directory. Unit testing on the model classes are able to test. The other parts are not testable by unit testing.

In general the product owner has not been merging PR once they are approved. The product owner has been involved in some approval of the merging of PR but not all.

Random PR assignees has been implemented, it worked well with letting the 2 other assignees who would take it on by commenting on GitHub. Seems to be a bit difficult to get reviewers for the PR, could be improved to send a message to send notification on Discord to make it easier for team members to see that a PR is up.

The priority of this new sprint has not been working out, because user story 19 has to be more or less finished in order for other features to use the MVC pattern in order to add features to the Controller and Model that will be created in User story 19. This is also the reason why it took so long to complete User story 5.1. Need to find a way to solve this, suggested keep working in MainAcitivty for now, and user story 19 will work on available code. If code is finished after task 19 is complete then each user should refactor code into MVC pattern. Added task to 19, add template for other users to add to MVC pattern. team members are encouraged to follow MVC pattern on their own meanwhile.