

What is the current situation?

We are done with most of our user stories. The only user story that remains is creating java documentation for some of the methods and then tidying up the code.

What you want the situation to be?

We want to integrate the work of the 2 sprint groups into one finished product

Reduce the gap (A -> B):

We will have better communication and collaboration between the 2 sprint groups so that we can explain our code to each other. This will let us integrate our code into 1 finished product.

Customer Value and Scope

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

In this current sprint we worked with getting all of the desired functionality for the application up and working correctly. We have created a searchview and also made some nice design decisions like clustering the parking icons on the map. For this we have created value for the users since we have made the application more accessible and usable for them and also more pleasant.

- 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)

The success criteria for this week was that all subteams achieve their goals and user stories, and our teamwork was great in all aspects and we got a good effort from these.

- 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

Our user stories for this week was to create search functionality for the parking spots and also add clustering functionality to the parking icons. For the acceptance criteria we had that the map should be able to respond to input in the search bar and get the specific parking spaces based on an address. Then for the clustering we had acceptance criteria that parking spaces close to each other should be put together. Our effort estimation for this was widely agreed by all team members and we put the same amount of hours and work into it since we worked together with doing this.

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

Before committing code corresponding to a full user story, test runs are performed and various inputs tested to make sure that the program won't crash.

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

Velocity - We finished 4 user stories this sprint.

Control Chart -

Mustafa - 12 hours

Love - 12 hours

Mirco - 14 hours

Abbas - 12 hours

Gabriel - 16 hours

Fadi - 14 hours

Zakariya - 18 hours

Reviews and testing - We kept track of how many user stories were review and re reviewed to pass the acceptance criteria and how often we would maybe need to change user stories to learn more about this.

Design decisions and product structure

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

We used the google maps api to create the map and add the parking icons. This was a good choice since it is well documented. This allowed us to implement our user stories into the application.

We used separate classes where possible to structure the code. This made the code more maintainable and easier to develop which resulted in a better application.

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

We used the official google documentation for the google maps api. For example, when we wanted to implement clustering functionality to our parking markers, we looked at:

<https://developers.google.com/maps/documentation/android-sdk/utility/marker-clustering> aswell as general documentation for methods premade for android-studio projects which was found at [Android Mobile App Developer Tools – Android Developers](#).

- how you use and update your documentation throughout the sprints

We had our usual meetings during our sprints where we discussed with our group about the documentation and used it throughout the sprint so everyone knew about the progress made and what needs to be done, and we kept updating it under the sprint by documenting everything under our meetings and the sprint.

- how you ensure code quality and enforce coding standards

We have acceptance criteria for our user stories. For example, if we have a user story that says: “As a user I want to be able to find the cheapest parking nearby”, we have acceptance criteria that specifies how we want to achieve that. For example: show a list with the cheapest parkings in ascending order.