

Sprint period

The sprint period spanned weeks number 2, 3 and 4. More specifically starting the 11th of January and lasting until January 25th (Checkpoint 1).

Goal

The goal of this initial sprint is to get together with the group, getting access to the server and having discussions about the project.

The specific goals are as follows:

- Write group contract.
- Discuss project and grade expectations.
- Discuss what infrastructure, languages, frameworks, and libraries to use.
- Get access to and do initial preparation of the server.
- Set up GIT repositories.
- Research and set up issue board.

Work distribution

The discussions will naturally be done by all group members. The group contract will be worked on by all members. Daniel will get the main responsibility of setting up GitHub. All group members will research different issue boards and then discuss and set this up together.

Accomplishments

Under this sprint we accomplished making and agreeing upon the group contract, and the grade expectations. We are going for a more advanced setup than required by the assignment. Because of this we aim to get the grade B, but will obviously be even happier with an A.

For frameworks we have chosen to use Next.js with typescript, as opposed to JavaScript, and Material UI as a styling library. Next.js is a modern react framework that ensures a good developer experience and a responsive website. Typescript provides a strongly typed developer experience, making runtime errors less likely. For the backend we will be using Java Spring Boot. For the infrastructure we will use Argo CD as a Kubernetes controller to create clusters for hosting the frontend and backend. More research is required if we are going to host a database in the cluster or on the server itself.

Access to the server was granted by the teacher and we can use our normal login to get access to the server. All group members then set up secure access to the server by using SSH.

For the GitHub repositories we made an organization to host both our backend and frontend with some Argo CD configurations.

For our issue board we chose to use GitHub's project feature in our organization. This can be linked to issues in our different repositories, so we don't have to have GitHub issues and pull requests separate from the issue board.