

Sprint period

The sprint period spanned weeks number 6, 7 and 8. More specifically starting the 09th of February and lasting until February 23th.

Goal

- Design guidelines
- Use case diagram
- Database diagram
- Create layout and common components for frontend
- Standalone MySQL
- Configure ArgoCD
- Set up a Domain.

Work distribution

The group will be working together to find design guidelines that best suits the customer's request. Our teachers have provided a lot of documentation for what styles, colours and etc fits what style of website.

Anders will create use case- and database diagrams.

Anders will create components for the frontend that will be used in the future when we start actually making the content for the website.

Daniel will install, and the group will together design, plan and configurate the MySQL server.

Daniel will purchase a domain to be used in this project. Anders will use Cloudflare to configure it and Daniel will connect it to the project.

Daniel will work more with the CI/CD pipeline. Setup docker files for both front and backend, use GitHub actions to build and push docker images to docker hub. And then use ArgoCD configuration files to sync with Kubernetes cluster.

Accomplishments

In our design guidelines we decided that we wanted to go for a professional, but modern look. By this we mean choosing a neutral and common primary colour, blue. We have also decided to go for a rounded, but not too rounded, look to help achieve this. To continue our semi-rounded look, we have decided to go for the font Roboto. We also decided to not overuse shadows in our design but use it where it makes sense.

In our frontend, we created layout components for the header, content and footer. This included making components for links, buttons, section blocks and more. The creation and future use of these components will ensure a consistent look for the different pages of the website.

We started creating use case- and database diagrams but realized that we needed to ask the customer about the interpretation of the theme before completing this.

We bought a domain for the project and changed namespace server to Cloudflare. We then set up Cloudflare with A-records pointing to our server. By proxying the traffic through Cloudflare we use their SSL-certificate and therefore do not need to set up an SSL-certificate on the server.

We decided to use a standalone MySQL database on the server. We were thinking about having it in the Kubernetes cluster but decided against that. Configuration files for ArgoCD was changed to test out new features, allow the use of domains, and more.

The CI/CD pipeline have gotten an upgrade and a lot of tests have been made, but it needs a bit more work. We have decided that we need to specify the version of Docker images in the yaml configuration files, this is to have a log of all images, to enable easily going reverting to a previous version.