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End report

Blog

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# Basic Information

The project, which is to create a blog, will be done as part of a school course. I plan to make a blog that fits the theme it is going for and my personality.

After experimenting with Java and JSP, I decided to use the Angular JavaScript framework to make my blog.

Over the course of many hours and watching a lot of tutorials, I created a functioning blog with a register/login feature and dynamic blog posts and reviews using Angular.js and mongodb as the database.

# Results achieved

The finished blog comes pretty close to what I set as my goals.

I wanted a register and login features and a way for the admin to add blog posts and reviews directly from the blog to the database. Using Angular as my frontend, an express server with mongoose as my backend and mongodb in my database I was able to achieve this.

On the blog, you can find a frontpage, photo and video gallery, the blog posts and reviews, a contact page with myself listed as the admin and author and two other fictional users as authors and a login and register page.

With a loggedAdmin() function I was able to specify that only the admin is allowed to use specific features, like adding blog posts, images or videos.

In the end I hosted my backend on Heroku. However, due to some problems with npm, I wasn’t able to host my frontend on Heroku, but luckily I managed to host my frontend on firebase and still keep my frontend and backend connected through the links.

# Work Progress

I ran into many problems while working on the blog.

The development of the HTML and CSS was relatively easy, but the first bigger problems started to arise, when thinking about the database and how to connect it and so on.

Thanks to a lot of research online, I was able to always find out how to fix my errors and make the blog work.

The biggest problem did arise at the very last step of the project, the hosting.

I first tried out Heroku and after deploying my backend successfully to Heroku, I tried my best to deploy my Angular app on Heroku too.

However, I wasn’t able to do so, even after trying for hours and hours.

In the end I decided to try another hosting provider for my frontend, and I chose firebase.

Luckily, everything worked, and my two servers are still connected and fully functionable.

# Costs

I ended up using the free tiers of Heroku and Firebase, so I didn’t have any costs.

# Deviations from the Plan

There were no deviations from the plan, the blog was finished on the 26th, like I planned.

And at the last few days, I had enough time to see how to host my blog.

# Resources used

I spent 95 hours in total with work on the project.

To see a full detailed overview over how I spent the hours, please look at the tuntilista.