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Progress report 4

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.

The blog was developed using the Angular JavaScript framework for the frontend, Node.js with an Express server as the backend and mongoDB as the database.

# Results achieved

The design of the blog ended up exactly how I imagined it and it looks very intuitive. I decided to not only use Angular Material Design, but also Bootstrap to create good forms.

I wrote a lot of texts for my blog posts and reviews and took a lot of pictures of my dogs, which, using mongoDB and mongoose, are now dynamic elements of my blog. The admin user can add images and texts to the database directly from the blog and they will also be displayed on the respective pages immediately.

The hosting is divided up into Heroku and Firebase. The backend server runs on Heroku and the Angular web-app runs on Firebase.

# Work Progress

Even though the database and hosting parts caused the biggest problems and errors, I was able to fix them with a lot of research online.

My planned finishing date for the blog was the 26.7.2019, but luckily, I managed to finish it on the 25.7.2019, which gave me a bit more time to host the website.

Luckily, after many tries to deploy my Angular app on Heroku, I decided to try Firebase and ended up successfully hosting my frontend server on Firebase.

Heroku didn’t work, because there was an npm error that I simply wasn’t able to figure out yet, but the website is running perfectly on Firebase right now.

# Costs

I used the free tiers of Heroku and Firebase, which resulted in having no costs at all.

# Deviations from the Plan

There are nor deviations from the plan.

# Resources used

|  |  |  |
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| ***Vaihe*** | ***Osatehtävä*** | ***Tunnit*** |
| Researching Databases + Tutorials | MongoDB, lowdb | 3 |
| Researching MongoDB + Tutorials | MongoDB Atlas, mlab | 3 |
| Experimenting with MongoDB | MEAN Stack Tutorials and Implementation | 3 |
| Testing MongoDB | Postman, Get Data | 1 1/2 |
| Setting up the MongoDB Database | Watching Tutorials and Creating Schema | 2 1/2 |
| Setting up the MongoDB Database | Watching Tutorials and Creating a User Schema | 2 |
| Setting up the Backend | server.js, api - register and login | 2 |
| Angular Authentication | Research, Tutorials, Implementation | 2 |
| Angular Authentication | Creating the Register Component & Service | 2 |
| Angular Authentication | Register and Login Page, Connecting to the DB | 2 1/2 |
| Angular Authentication & CSS | Registering Users, Implementation of my Font and Carousel | 3 1/2 |
| Setting up the Posts Pages | Creating the mongoDB collection, Creating Anime Reviews | 2 |
| Connecting Anime Review Page with DB | Connecting the different Components, Getting the DB Data | 3 1/2 |
| Continuing Anime Review Page | Displaying single Posts, Selecting Posts | 3 |
| Posting Anime Reviews from the Page | Post Data to the DB from Anime Reviews Page | 4 |
| Posting Anime Reviews from the Page | Finishing the Posting and Select Feature | 4 |
| Creating the Blog and Games Review Pages | DB, Get Data, Post Data, CSS, HTML | 3 |
| Finishing Touches on the Posts and Reviews | Graphics (Stars & Dog Paws), Colors | 1 1/2 |
| Finishing the Blog | Finishing CSS and Texts | 2 |
| Hosting the Blog | Trying Firebase and Heroku, Hosting the Backend on Heroku | 3 |
| Hosting the Blog, Writing End Report | Trying Heroku, Hosting the Frontend (Angular App) on Firebase | 4 |
|  |  | ***57*** |