Lappeenrannan teknillinen yliopisto

School of Business and Management

Sofware Development Skills

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LEARNING DIARY, FULL-STACK MODULE

LEARNING DIARY

21.7.2023

I watched the NodeJS video and coded alongside with it. NodeJS was already a little bit familiar to me from the front-end course and also personal projects, but the video presented me with a lot of new information, and I learned a lot about what modules NodeJS offers in itself such as the paths, urls, system information, http, fs and event emitters. All of this was brand new to me. I also learned a little bit about setting up a website using the events and deploying it to heroku. I ended up not deploying it to Heroku because it was asking for credit card information, but if it's needed at the course end I will do it. Deploying is not really a new thing for me.

23.7.2023

I watched the MongoDB video and followed alongside with the installing and commands and the MongoDB atlas database. I was able to get everything setup on my computer, and it was pretty quick to get a grasp of all the shell commands since it felt pretty intuitive. The atlas database cluster was also extremely easy to setup and connect to from the local shell. The only thing that was slightly confusing was the initial setup of mongoDB, and I had to reinstall a few times until I realized that shell was a completely separate install from all the other stuff.

24.7.2023

I watched the ExpressJS crash course video and coded alongside. This was completely new to me, and I'll most likely have to revisit a lot of this for the project work. I think a lot of it was intuitive and the course explained most of the things really well. I got an ok grasp of handling the request and responses, and how to create, update and delete things in the database. I hope some of the videos will explain how to handle the interaction between javascript and mongoDB, from my understanding it will use the mongoose library.

25.7.2023

I checked through some of the Angular tutorials but stoppped midway after following some of the code. It wasn't very helpful and just following along and copypasting content was not a good way for me to understand Angular, I much prefer following along a video since they usually explain things better in those. I'm already a bit familiar with React, and Angular seems to work in pretty much the same way as React, so I'll much rather get into the MEAN-stack and learn it more in depth there. My idea for the project right now is to create some kind of note website, where you can add and delete notes with a title and description.

29.7.2023

I've been following the MEAN-stack tutorial, but due to deprecated code it's really hard to learn anything valuable. Mongoose doesn't allow callbacks anymore so that alone completely breaks the code when adding a new user, and I tried personally changing it into async and promise function but it simply just hangs and gets stuck in a loop. I might have to just get started on the course project and look for other resources in the internet instead of using the ones listed out in the course.

30.7.2023

I started working on the project, and my plans are to create a simple messaging forum with titles and descriptions. I'm not going to add replies as that might be a bit harder than what I can do right now, so it's going to function more like a real time chat I guess.

31.7.2023

I created both the backend and frontend for the project, but sadly I completely forgot that authentication was a project requirement. I don't have time to create it right now, so I'll have to retake the course and finish it properly.

1.8.2023

I started creating the user authentication by following alongside the MEAN-stack authentication exercise as was done before, and fixed most of the broken code. One thing that I wasn't able to fix was the passport-jwt plugins authentication method, so I used jsonwebtokens own verify method. This verify method is from a more modern MERN tutorial https://youtu.be/98BzS5Oz5E4. I was not able to get the passport-jwt to work at all, but this method works completely. I'll be able to start building the front-end for login and register.

28.8.2023

I'm finally finished with most of the features with user authentication. I took a long break from the whole thing, and today I finished out all the routing when registering and logging in and logging out, and I made an app bar. I also made sure to check for the token expiration and I also made it so that you can only delete your own posts. I think these are all the features I'm going to implement. This was a pretty good way of grasping angular better, and I think I have a decent understanding of it now.

29.8.2023

I deployed the app to heroku which was a bit of a hassle to make work, the code broke in multiple places but I managed to fix most of it. I ended up learning a decent amount of angular and node just because there was so much fixing to do in the code. Going to return the project now.