Lappeenrannan teknillinen yliopisto

Software Development Skills

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LEARNING DIARY, FULL-STACK MODULE

**LEARNING DIARY**

20.9.2022  
I have watched the first course video tutorial, Node.js Crash Course. Before it, I had no idea of what Node.js was, but now I’m more confident about it and I have learned how to use it to run JavaScript directly on the command line or to run previously made JS scripts. To make these scripts I have chosen Atom text editor, because I like its flexibility and lightness in comparison to Visual Studio Code.

I have followed the video to make a reference folder with ready-to-use examples of different Node.js modules and to make a simple local server to load different kinds of files. Finally, I have made an account in Heroku and downloaded its CLI to deploy my server in their page using git.

3.11.2022  
I have watched the second course video tutorial, MongoDB Crash Course. I learned how to install MongoDB on my computer and its Shell and Compass applications. I made some entries in a test database and learnt some commands to sort, search and edit them. I also make an account in MongoDB Atlas to make a database in the cloud.

8.11.2022

I have completed the Express JS crash course and built a server using Express JS. I lean how to make requests to an API using Postman to add, remove, or edit data. In the process, I learned about what middleware is and how does it work. I have also made a little example webpage to display this data using handlebars and templates.

9.11.2022

I have followed the main tutorial from the Angular documentation page. I have go through the first 5 parts of it, where I learn the basics of front-end development with Angular. I learned how to add different components and services to my application, as well as routing pages to navigate through them. The last part of the tutorial is intended to learn how to get data from a server, but I have omitted it since it involved simulating a HTTP server, and in the final part of this course I am going to learn how to make this with a real server.

After all these tutorials on Node, Mongo, Express and Angular, now I feel ready to start with the course main project and build my MEAN-stack application.

13.11.2022

I started the tutorial series to build my authentication app and I completed the first three videos without trouble. In them, I structured the main parts of the app and make a user model, making it possible to send post to the app through Postman and store new users into a Mongo database. With the fourth video, I am having some problems with the password verification procedures.

14.11.2022

I fixed my problem with the fourth tutorial by importing some express stuff that was not indicated in the tutorial, and I completed the 5th and 6th tutorials. In them, I had added the Angular source code and added the necessary components. I also added the notification and registration validation services. I had some issues with the flash notifications, but I managed to solve them by installing an older version of them. I also had some issues with the code that was directly copied from other places during the tutorial, as it was not always available now, so I copied some code fragments from the final project repository.

15.11.2022

I finally completed all the tutorial series and finished my authentication app. I implemented the login and the rest of the remaining pages, and I restricted access to the different pages depending on the log in state. I also changed the bootstrap template because the one used in the tutorial was not working well. Once was already, I built the angular project and upload the page to Heroku (although I have had some trouble integrating it with Mongo).