Lappeenrannan teknillinen yliopisto

School of Business and Management

Sofware Development Skills

Franciscus van de Voorde, x111733

LEARNING DIARY, FULL-STACK MODULE

**LEARNING DIARY**

**17.1.2023**  
I read the course information and set up my development environment. I am using Sublime Text as my editor of choice as I prefer to keep my VS Studio clean for my C++ programming. Besides, I do have experience with Sublime already as well. I installed Sourcetree and hooked it up to my own GitHub account. The installation was a bit confusing but after some messing around I managed to get it to work, and I continued the first lesson: a crash course in node.

I set up my directory structure in such a way that each course as its own directory (which is entirely separate from the project directory). The first lesson was rather easy as I do have already some experience with Node.js but it was a nice refresher on the basic workings of Node.js. I ended the day with committing and pushing all the material from the first course to GitHub.

**18.1.2023**

I went back to yesterday’s lesson and changed the logger so that it would write to file instead of console. Then I started the MongoDB lesson. Installing MongoDB went rather smooth as I have installed it before. However, I noticed the newer version had a separate shell which I needed to install as well, which I found out after a brief visit to Stack exchange.

Following the MongoDB lesson went smoothly as I have seen most of the material before, however I did learn some new things like the $inc and $rename parameters. I also learned how to use Compass and work with a cloud database in Atlas. Next, I successfully managed to connect to my cloud database through my local shell. Because the video linked a very useful MongoDB cheat sheet, I downloaded that, perused it, and added it to my GitHub for later reference use.

Next I checked out the Express lesson, and even though I have setup an express server before, I learned quite a lot of new things like the server rendering with handlebars and the proper use of middleware, which always was slightly confusing before. Postman was already familiar to me and using it to test the API was pretty straightforward.

The new lesson did not have any proper error handling, but I installed the express validator package without many issues and added the validator code to the tutorial express setup. While the video did not touch any further on the passport package it is something I will check out in more detail later and possibly use in my own project.