Lappeenrannan teknillinen yliopisto

School of Engineering Science

Sofware Development Skills

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LEARNING DIARY, FULL-STACK MODULE

**LEARNING DIARY**

20.12.2021

I read all the course information on the “Course overview” and the “General course information” tabs. I learned the goals of the course and the required work to do in order to pass it. I chose the full-stack module since it was the most interesting out of all the modules, and I also thought that I had a “good flow” after just finishing the “web applications” course.

Full-stack developing is already a familiar thing for me. The “web applications” course, and especially the project of it, taught me a lot about the subject and sparked an interest towards web development in me. I noticed, however, that this course utilizes the Angular.js front-end framework instead of the React.js framework which I have prior knowledge of.

I was already familiar with Git and I had no problems setting up a repository for the course. Choosing an editor was a no-brainer for me, since I have used Visual Studio for almost half a decade, so that’s what I decided to go with.

I started doing the Node.js module immediately. I am very familiar with Node.js beforehand but I started watching the video knowing that I’ll learn something new since Traversy media videos are very in-depth.

I watched the first 15 minutes of the video. The part that I watched was mostly knowledge I already had. It was, however, a good refreshment.

21.12.2021

I continued to watch the video about Node.js and followed the code example. I learned about the module wrapper functions in Node.js. (I have used them before, never really thought about the inner workings of them). The presented core modules “path” and “fs” were already familiar for me, so I didn’t bother copying the example codes since those wouldn’t teach me anything new.

The “os” core module wasn’t familiar to me, so I followed the steps in the video to recreate the file.

I Also did the “url” core module section, even though I’ve worked with that module before, but it was so long time ago that I needed a refreshment. I didn’t remember exactly how to add search params to a url, but I relearned that. I also relearned how to make a simple Logger with event module.

After presenting the other core modules, the video focused on creating a http server with pure Node.js using the “http” core module. This is something I have never done before; I have always used Express.js. I followed the coding example on the video and learned how different it is to create a simple web server with pure Node.js and also just how much Express.js helps with back-end development.

While creating the server, I copied the html and css code straight from the author of the video, since that part wasn’t the focus of this section of the course. While creating the server, I just further learned just how tedious it is to create the simplest server with bare Node.js without any frameworks (such as Express.js).

The last part of the module was deploying the server online in Hekoru. This is something I have never done before and something I’ve meant to look into, so

11.9.2018

I have chosen VS Code as my code editor for this course, I learned how to set up addons by googling how to do it. I searched the web for best addons and chose the best addons that I think fits me best. I started to watch the first part of the example project to understand the technologies better.

I did my second commit but somehow it did not go as I planned. I went to stackoverflow and found quite many threads about version control problems. I was able to figure out what was the problem and continued to watch the first part till the end.