Lappeenrannan teknillinen yliopisto

School of Business and Management

Sofware Development Skills

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LEARNING DIARY, BACK-END MODULE

**LEARNING DIARY**

06.05.2021

I read the general course information section, found out about the compulsory tasks and how to complete the course. Then I read FAQ and moved to Environment setup section. I clicked on Intro to version control banner and watched the video. I have already used GIT before, but still watched the video to refresh my knowledge. As I already had everything needed for GIT usage, I did not have to download and install anything. Moreover, I have decided to use my usual code editor PhpStorm. Then I have created new repository and made first commit that included learning diary file to GitHub.

Then I moved to Back-end section and started to watch REST intro video. From the video I have learnt about REST API, about some of its concepts and repeated example calls. However, I did not feel it was clear enough for me, therefore I have decided to watch more videos about the topic on YouTube. This video <https://youtu.be/lsMQRaeKNDk> was especially useful to me as it had some simple visual examples and the topic was explained in a more fun way.

22.05.2021

Today I have started watching Node.js crash course video. During the watch, I have learned what Node.js is, why to use it and in what kind of projects it could be used. As I have already used Node.js and npm, I did not have to download and install it.

25.05.2021

Today I have started the tutorial of Node.js. First step went well and I did not have any problem with initializing npm. During the tutorial, I had a problem that my code was not working as in the video, therefore I reviewed all my code and found a mistake. Turned out that I used this ‘ ‘ instead of this ` ` in a method. After I have corrected it, everything worked. The path modules methods were explained and showing what each method does was very helpful. No error occurred and everything worked as supposed.

27.05.2021

Today I was learning about File System Module and during the tutorial I had a problem with creating a folder. Even though, the code was correct, it still did not work. After some time, I have realized that my terminal was opened in a wrong folder, therefore needed file could not be found in there. Then I used command CD and the folder name to switch to it, and then I have tried to run the command in the terminal again. Everything worked. In this part of the video, I have learned how to create a folder, write to file, file append, read the file and rename it. It was rather easy and no problems occurred during the tutorial.

Then, I have learnt how to check operating system’s information such as platform, CPU Architecture, CPU Core info, free and total memory, home directory and uptime of the device.

29.05.2021

Today I continued watching the video and learnt about URL Module. During the tutorial I have learned how to see url’s host, pathname, how to add parameter and etc. Then I moved to Event module and HTTP module. After that there was a tutorial on creating a server. Everything worked as in the video, though I had nodemon installed and therefore, it was automatically restarting due to changes. Then I completed the Node.js crash course video by creating the server and uploading it to Heroku. In order to do that, I had to create account on Heroku, download and install Heroku CLI. After uploading my server to Heroku, I had an Application error, so I had to use Google to solve it, however turned out that I was missing “start” in package.json, therefore after adding it to the file and committing again to heroku master, everything worked.

30.05.2021

Today, I moved to MongoDB part. I have never used MongoDB before, therefore I had to download and install it. Then I repeated all the command from the video and everything worked normally. I did not have any issues during the video. At the end, I have also created account on Atlas and repeated steps from the video.