Lappeenrannan teknillinen yliopisto

School of Business and Management

Sofware Development Skills

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LEARNING DIARY, Software Development Skills: Back-End MODULE

**LEARNING DIARY**

19.01.2021  
  
I checked the general information and understood the main focus of the course, which is to find my passion as a software developer and create a unique project to represent my skills. I chose frontend module because it was the most interesting project offered. As I had done the Front-End course before everything was already setup.

I learned about REST and played around with the api of Instagram and other site to get a better understanding about it.

Then I dived into the second video about node. Since I had done a course on web development from Aalto university, I was quite familiar with node. The tutorial went without any hiccups. I learnt about fs, events, os, path, URL among many other things.

Lastly while using Heroku I could not push it to master but after looking through the documentation I used main and it was all ok.

21.01.2021

Today I learnt about database. I learnt about MongoDb. I had learnt about database long back and used sql and mysql for awhile. This tutorial helped me revise the queries and I also found it a bit different queries from what I had learned. I learnt to create, read, update, edit and delete. I also got familiar with using compass.

Then I learnt about mongodb altas. How to create cluster and connected through mongo shell.

05.02.2021

06.02.2021

07.02.2021

10.02.2021

I learnt about Express JS. There was a lot of web development include in this crash course, so I used this time to revise my previous courses as well. I learnt GET, PUT, POST, DELETE methods that are used in the server side. I took some days to do the excersise again so that I could understand it better. I learnt how to the templates from express-handlebars. I also used bootstrap to help in templates for the handlebars.

15.06.2021

Firstly I would like to apologize for the late submission. I was enrolled in a recruitment program and was quite busy.

As I had already done most of the part before, I took the whole day to revise and go through all the tutorials again. You can see it in my github there are two commits of all the crash courses. I had only the final and main project that used all the previous courses combined that had to be done. In the final video, I made a CRUD REST Api.

I learnt how to connect the mongoDB using mongoose in vs code. Previously I learnt how to install and use MongoDB from the terminal and also used Compass which is an user friendly application for mongoDB. I learnt both ways to use mongoDB.

In the previous I also learnt programming in node without using any middleware and then using express js as an middleware which made programming in node much easier.

In the final project I learnt to use how to create, read, update and delete a user information by connecting it with a db and using it express. For the testing the api I used REST client extension that can be found in vs code.

Git repo:

Node: in this repo you can find a node project without any middleware

<https://github.com/anuzkhanal/Core_node>

Express: in this repo you can find the code for express

<https://github.com/anuzkhanal/expressjs_course>

Final Project: here you can find my code, in which I used node with express and mongoDb

<https://github.com/anuzkhanal/node_course>