LEARNING DIARY, FULL-STACK MODULE

Lappeenrannan teknillinen yliopisto

Software Development Skills Full Stack, Online course

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Date : 28.10.2024
Activity : Watching the NodeJS video and coding along + setting up coding environment
Learning outcome: Learned how to widely use Node on the server side to for example create a server, environment variables, request objects, different ways of finding paths, memory information, events etc. I also learned how to do simple routing, build an API, and use middleware such as an error handler (or logger).

Date : 29.10.2024
Activity : Watching the MongoDB video and coding along
Learning outcome: After installing MongoDB and MongoSH (shell) I created my first database and tested inserting data into the collections and also deleting the data from the database.

Date : 30.10.2024
Activity : Watching the Express video and coding along
Learning outcome: After installing Express I learned how to use Postman service to send get, post, update, and delete requests to a server. I also learned how to use express to respond with different status codes depending on the request outcome.

Date : 31.10.2024
Activity : Watching the React video and coding along
Learning outcome: Created a Task Tracker React app by following the video. I learned that in React you create single components and then combine them all in one App.js file, and that each file has everything visible to the user in the return statement. And similar get, post, update, and delete methods that I did in the NodeJS code with the server, here these functions were made to the front end so it was a bit different. The video also covered some functional components like useState, useEffect, and useLocation that were very useful.

Date : 1-2.11.2024
Activity : Watched the MERN-project videos 1-4 and created my project alongside the videos
Learning outcome: Since I wasn't sure how many days I had left from the 60 days that students are enrolled to this course, I decided to create the project to be almost identical to what was made in the videos, only changing the fact that instead of goals the user could write notes.

Overall, I learned how to combine all the previous subjects to create one large application from scratch and how to effectively divide the coding of backend and frontend. The most interesting part was definitely learning to use the user authentication system where a user needs to either register or login him/herself to see the contents of the home page.