LUT   Software Development Skills

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Learning Diary, Full Stack Module

02/02/2023

Today I read through the subject's moodle page and started the learning diary. I have created a github repository where I will upload my project together with this diary as I develop it. As an editor I will use Visual Studio Code as it is my go-to editor ever since I spent the time to create my own personal theme and it is the one I am used to.

As I already use git regularly I decided to skip the version control tutorials provided and started watching the first tutorial on Express. Although I am taking the Advanced Web Applications course and I am confident that I could create a server on my own I have decided to watch the tutorial and follow along anyway in case I learn something new.

After watching the video I have a better understanding of how to use the filesystem, path, http and operating system modules on node.js as well as how web servers work below the express layer and I understood the layout that a project for a web application should have.

04/02/2023

Today I decided to continue on my learning and watched the video on MongoDB. I have already used MongoDB in the past in a very basic way but I believed that watching the crash course would help me improve my proficiency with it and really teach me the fundamentals of how everything works in a NoSQL database since I have only studied SQL databases before.

After watching the video I have a better understanding of MongoDB as a whole but to me the most valuable things I learned from the video were: the update methods, which I had never had to use before so I had never learned them and the embedded subcollections, which I did not know was a possibility and I believe it will come in very handy in my future as a developer.

15/02/2023

Today I'm watching the Express JS tutorial. Although I am fairly familiar with the framework thanks to the Advanced Web Applications course as well as from previous experience I believe that, similarly to the MongoDB tutorial, I might learn something new and useful from this video.

As I predicted there was very useful information in that video, the following topics were especially useful for me: Middleware, what it is and how to create it; html forms and how to parse form data and finally how to serve static and dynamic html from an express application.

24/03/2023

Because my laptop broke a few weeks ago I have been catching up on projects that were due on other subjects and just now had the time to start doing the project. I have read through the angular page and watched a couple quick tutorials, after doing so I have decided to copy my react app I developed for the Advanced Web Applications subject but this time using Angular instead.

I finished the server with a couple tweaks but the client is proving to be more challenging than I thought. That is why I have decided to ask for an extension