FULL STACK
Learning Diary

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MARCH

21.03.2022

Today I started this course by reading through the course overview and general information provided in Moodle. I also had a look at the environment setup. As I had not much knowledge about git and github I watched the recommended video. This video has actually helped me a lot to finally get the idea of git and how to use it properly. I follwed the video step by step until the point of when they started with github.

22.03.2022

I finished watching and follwing the video on how to use git and github. After that I read further through the environment setup page on moodle and opened a new repository for this course with the required things.

26.03.2022

After finishing up on the environment setup page, I started with the actual course content. First up was Node.js, where I started to watch the video and installed all necessary components, such as node.js.

28.03.2022

Today I finished the node.js video. While watching I always coded along, so I have all of the content done myself. This helps me a lot to concentrate and really understand the topic.

29.03.2022

I started and completed the next topic today, which was MongoDB. Again I watched the video and followed along. This required some downloading of programms and working in the command interface. I still struggle a bit to use the command interface, in general, but I am slowly getting more used to that. I believe this is very good and will help me in the future working in a business environment that includes computer science and coding.

APRIL

01.04.2022

I finished the MongoDB tutorial and started on the ExpressJS video, also coding along like always. Coding along helps to really understand what is going on and also to stop when something is going to quickly or if I just need to watch it again to properly understand the topic.

05.04.2022

Today I continued with the ExpressJS video and also finished coding along.

20.04.2022

After finishing the ExpressJS video I took some time to finish some other projects first, before I came back to the Fullstack course and started on the Angular tutorial. This was a bit different as it was not a video. Therefore it was a bit harder for me to concentrate and to understand everything. Of course I still coded along, but it was different as I sometimes took advantage of the copy and past function instead of typing everything myself.

22.04.2022

I continued with the Angular tutorial and did nearly finish it. I tryed to really concentrate and get all the information and functionalities of this walk through.

25.04.2022

This was the last day for the Angular tutorial. I finished the tutorial successfully and decided to start the Mean stack example project the next day.

26.04.2022

Today I started on the example project, which is a full Mean stack project (MongoDB, ExpressJS, Angular & NodeJS) and putting all the different topics of this course together. The first video was just a introduction, but it was followed by setting up the ExpressJS backend server and importing the required dependencies and modules.

27.04.2022

I continued with video three of the example project. It was mostly going well, but I had some problems with the connection to the database. The line of code in database.js from the video was not working, so I had to find the error. With some reseaching, I found a solution that worked for me.

28.04.2022

Video four and five was the plan for this day. But unfortunatley I ran into an error with video four and the passport and express session middleware. I always go error messages, so I asked about that error in the course forum, hoping that someone could help me. I decided to not continue with video five, as my code was not running I would miss potential errors, which I would have had to fix after, which I do not like.

MAY

05.05.2022

After still not getting any response or solution to my problem of video four, I though it was time to continue on the project, before I would loose more time. I then started watching and coding along with video five, but only came a few minutes until I was having big problems with Angluar-cli. I tried to find solutions and explanations, why I was having troubles to install and use it properly, but couldn't figure it out at this point. So I decided to ask the teaching assistant for help.

09.05.2022

I had a meeting with the teaching assistant today, and the problem from video 4 got fixed. I basically had to just comment one line out. But the other problem with video five could not be fixed. I only got send some links to read through, which did not help to fix the problem. Also the hint to unistall and install node did not help. Later that day I read though nearly every comment under the video to hopefully find a clue there and finally I found something that helped me. I am not sure if the audit fix force was the correct thing to do, but it was the only thing that I could work out to make my project run again. After figuring that out, I coninued to finish video five.

10.05.2022

I only had a little bit of time this day, so I started with video six, implementing homepage and register component with its functions.

13.05.2022

Today I finished video six and also seven and eight, where the frontend is basically getting connected to the backend using the routes. Luckily I got through without any major issues. Of course I had some problmes, but those were just my normal programing mistakes like some typing mistakes.

15.05.2022

Today I finished coding along the example project. In the end everything worked, so before I started working on my project I saved a backup of this example project. The example project was overall, very good to follow, but some points were a bit tricky, as the video is a few years old and things like the webpages with the css styles / bootstrap are different now.

16.05.2022

It was now time to start on my project. I decided to use the example project as a base and to develop it further. My idea is to implement functions to change the username and email and to add two components with some functionality. SO I started by first adding the notes and recipe component and connecting them to the menu in the navbar, basically making sure they are working, before I start to develop the functionalites of those.

17.05.2022

I tried to write the code for the notes component. For doing that I had to change the basic user, so that it has the attributes of notes (and also recipes for later). Next I made the current notes shown in the frontend and then created a field to write a new note and to a button to save it. By the end of the day I managed to get the notes changed, but it did not get saved in the database on the server side.

18.05.2022

I used today to figure out how to save the changes, so that they are still present after logging out and in again. I used a post request yesterday and after some reseaching I remembered the put request of a RESTful API, so I changed it to put. I still had some problems, but I then finally manged to get everything solved.

19.05.2022

Now I had to do the recipe component, which was similar to the notes component and didn't give me to many problems. I also wanted to insert a picture and had to find out, how to do it wuth angluar-cli. After finishing the notes component, I working on the functionality to change the username and email. Here I had to think a little bit of how to do it at once but also at one at a time, without writing to much code twice to avoid code redundance.

20.05.2022

Today I used the day to clean up my code and do a bt of polishing here and there. For example I worked on the dashboard page and added the done button to the notes component. When I was done with that I recorded my project running and explained a little bit in the background.

23.05.2022

Today I finished the course and in total I am happy with how it went. I defintely learnt new things and creating the example project and then developing it further really helped to understand the topic. Especially developing it further forced me to really get dig into the functionality of connecting frontend and backend.