Lappeenrannan teknillinen yliopisto

School of Business and Management

Sofware Development Skills

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LEARNING DIARY, Anytime-course: Software Development Skills: Full-Stack MODULE

**LEARNING DIARY**

1.9.2022

**Notice, the project was not fully finished, refer to the latest chapter (21.9.2022) for more information**

I went through the course overview and all the other tabs. I understand what the course is all about, and what is needed to complete the course. As said in the course goal; “This course aims to give you an edge in the job market by providing tools for creating unique projects and to help you find your passion as a software developer.” I’m using Visual Studio Code, as it’s my main code editor. As all the basics are done, I am ready to start with the course.

I started up watching the NodeJS video. From the very start it was interesting. I don’t have a lot of experience with this, so I am looking forward on how everything will work together. Although there are quite a few new things, I had some experience on making a live server to work with the JS file and my initial HTML site (with the CSS). The introduction video had a dark theme by default, that’s what I love to see.

So far, I have made the main page, about page and an error 404 page. The process has been very straight forward, and there haven’t been any questions yet. It’s been cool to memorize things that I have done in the past.

2.9.2022

MongoDB brought a lot of problems. It took me hours to get it solved. As the video and the documentation in Moodle is old, the solution to get MongoDB working, was to install mongosh. There is an even newer MongoDB crash course 2022: <https://www.youtube.com/watch?v=2QQGWYe7IDU>

Noticed mode deprecated functions;

db.posts.update({ title: 'Post Two' },

{

title: 'Post Two',

body: 'New body for post 2',

date: Date()

},

{

upsert: true

})

DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.

MongoInvalidArgumentError: Update document requires atomic operators

There was few more than this one, so update(), remove() and count() are all old functions (that are shown in the video), but I managed to find a solution and use the newer functions. MongoDB so far seems very interesting. It is certainly a powerful tool to play with.

ExpressJS is a completely new thing for me. It is a high-performance minimalist web framework for NodeJS. It’s a backend framework. I haven’t heard about it earlier, so I am interested on working with it. I have some basic knowledge on JS and nodes & NPM. So, I think I will manage good with this tutorial.

I got extremely into the one-hour tutorial. Everything was clear, but I still must go back and watch few parts again, as I didn’t understand everything I saw fully. It’s certainly a powerful framework, with its middleware, express router, and members.

5.9.2022

Next up is Angular. I am familiar with it, so going through the online documentation did the trick for me. I watched one YouTube video about it also, just to make sure that I’m up to date with the latest updates.

Now I can finally get my hands on the project itself; I’ll get started with the MEAN-Stack. Already seeing that there are few comments on the Moodle page and the video is from 2017, I know I will not be able just to follow the video and get everything done. It’s not ideal, but I think solving these problems are interesting.

14.9.2022

First off it was a bit weird seeing that in the videos the presentation was using Ubuntu, so I hope everything will be fine from using Windows.

I did go through all the videos until the end of the 4th video. I didn’t have too many issues, I mainly struggled with typos. For example when making an POST request, I had “http://localhost:3000/users/authenicate“ instead of “http://localhost:3000/users/authen**t**icate“

so, I missed 1 t, which took me forever to find out. Other than that, the code worked well. Not everything was up to date but using google and especially the YouTube videos comments were helpful to find the new current ways to complete everything.

The only issue that I have encountered so far, is the “User.getUserById” function in passport.js, which should show the data. This does not affect the project, as far as I am aware, so for the time being, I can ignore it.

16.9.2022

Starting with angular, the installation was fine. I had a older version, which caused some problems, but I had to uninstall it and reinstall the new version, which eliminated the problems.

The bootstrap styling does not work. Even after downloading the CSS file and implementing the file straight to the folder, it’s not working. This does not really affect the project itself, just the visuals. It’s a bit pale, but everything works at it should.

21.9.2022

Quite a few days passed through, and I am not able to continue the project. Because mostly the information in the videos is outdated but quite a few years, things get crossed and it’s not possible to finish the project with the given information from the videos (and the updated information in Moodle).

I had everything installed as their latest version (Node, Angluar etc.) so some of the old functions that are shown does not work, and the newer ones has completely different syntax. Earlier I got a lot of help from the YouTube comments, but they are mainly old ones too, which doesn’t apply to the current latest version of the software.

I even started everything from the start, which took hours, but again, I got stuck to pretty much the same place as earlier (the end of video 6).

Even though I couldn’t complete the project, I followed all the way to the end. I didn’t document everything, because I couldn't reproduce it myself. I did the code, but sadly the Angular compilation did not get through. Everything was kind of logical, the register page, functions all the way to the database.

Heroku and mongoDB would be cool to set-up. An oh, the website shown in the video; mlab.com is not working anymore, it’s mongodb.com now. All in all the project seems interesting, and I am a bit disappointed that I couldn’t represent the project.

Some notes during the course:

* The videos were old and outdated. There is already updates even to the “updated video” videos in Moodle. I watched them too, and I think they should replace the current ones.
* Eventually after hours upon hours I managed to make small steps forward, but it just wasn’t enough. Troubleshooting took more time that I anticipated.

Screenshot from the progress until the end

Kuva, joka sisältää kohteen teksti

Kuvaus luotu automaattisesti