Lappeenrannan teknillinen yliopisto
School of Business and Management

Software Development Skills

Marta Xiaoyang Moraga Hernández, 001101267

LEARNING DIARY, FULL-STACK 2022-23 MODULE

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I accessed the course and read the necessary information. As it is quite similar to the Front-End course, I started setting up everything. I decided to work on Windows using Visual Studio Code.

Creating the repository was quite simple, because it was the same process as last time for the other course.
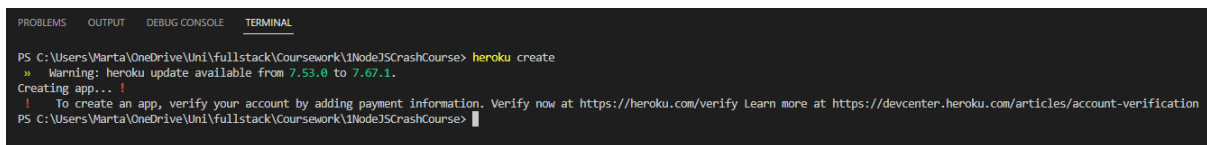
      Node.js Crash Course

The start was quite simple to follow, as the Advanced Web Applications course also uses Node.js.

26/12/2022

The tutorial is easy to follow, though I ran into some issues due to spelling. The short rundown of the modules was quite useful.

As it is necessary to add a payment method to Heroku, I did not deploy my application. However, I followed every step and noted down how the process would be if I used Heroku.

      MongoDB Crash Course

To download MongoDB and use the shell, MongoDB Community Server https://www.mongodb.com/try/download/community and MongoDB Shell https://www.mongodb.com/try/download/shell are necessary.

When I was watching the tutorial and had downloaded MongoDB Community Server, I was not able to find mongo.exe on my computer. After looking up the solution online, I followed the first answer to this stackoverflow question https://stackoverflow.com/questions/73081708/mongo-exe-not-installed-in-version-6-0-0, which solved the issue.

After trying to insert an object the warning: *DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite* appeared. I will use those commands in the future.

I also learned that I can start or stop the MongoDB service throughout the Services console.

28/12/2022

It seems that *db.posts.find()* and *db.posts.find().pretty()* show similar results in the current version of mongosh.

When trying to update the message *MongoInvalidArgumentError: Update document requires atomic operator appears*. It seems that the functionality described in the tutorial has changed. Update can target individual properties of the DB document, while replace does change everything as the tutorial stated. Update cannot be used without an atomic operator like $set or $inc.

After trying to insert an object the warning: *DeprecationWarning: Collection.remove() is deprecated. Use deleteOne, deleteMany, findOneAndDelete, or bulkWrite* appeared. Similar to the insert method. I will use those commands in the future.

I ran into some issues connecting to the cluster as it did not recognize mongosh as a command. I used this tutorial https://databasefaqs.com/mongodb-is-not-recognized-as-an-internal-or-external-command/ to solve them. It seems I had forgotten to add the path.

I was using MongoBD from its shell application Mongosh by running mongosh.exe, however, it could also be run from the PowerShell. That may be the reason for some differences between what I was doing and the tutorial.

Finally, using MongDBCompass, I exported the collection 'posts' as a json to the Coursework folder. I also added a screenshot of the collection 'todos' that was on the cluster.