Researching Project MongoDB and Mobile App

' Week2 Report '

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2019-2020

Outline

❖ **Planning for First Month.**

❖ **Connecting driver to Mongo Shell.(Locally)**

❖ **Starting to build sample backend.**

❖ **Reference**

❖ Planning for First Month

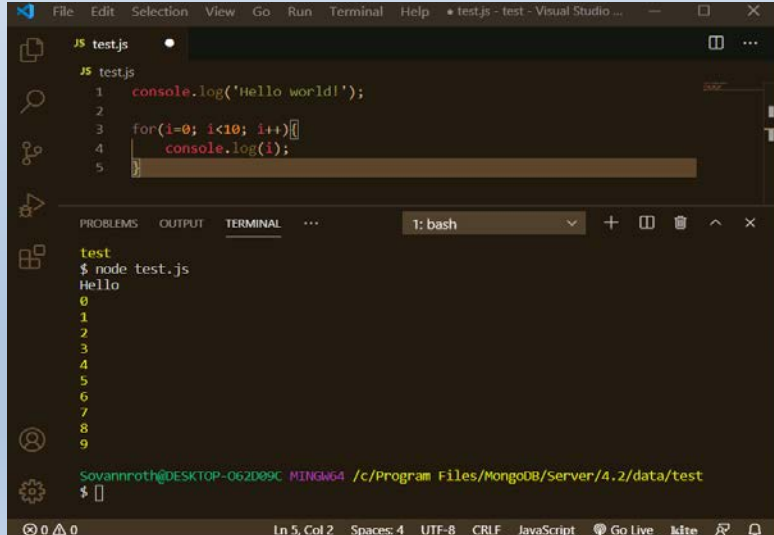| Activity (Start on 06.08.2020)	Thursday (Presentation day)	Friday	Monday	Tuesday	Wednesday (Meeting day)
Week 1	Installation MongoDB (Shell and Compass) and connect localhost between Shell and Compass.(Locally)	Performing CRUD (Create, Read, Update, Delete) on Mongo Shell and MongoDB Compass.	Creating MongoDB Atlas account and connect it to Mongo Shell or MongoDB Compass, and Driver (Node.js).(Cloud)	Installation Visual Studio Code and connect driver to MongoDB Atlas.(Cloud)	Connecting sample Backend to MongoDB Cluster and storing Products in the Database.
Week 2	Connecting driver to Mongo Shell.(Locally)	Starting to build sample backend connect with or without MongoDB Atlas.	Build creating, editing and deleting Products on server.	Transmitting and fetching data to/from the Database.	Creating Login and Signup. (Email and password)
Week 3	Learning template Bootstrap 4	Starting to build backend for project.	Creating Login and Signup.	User management: • Create new user • Reset user password • Delete and edit user	Manage new category: • Create new category • Edit and delete exiting categories.
Week 4	Manage news: • Post news • Edit news • Delete news	Manage Info: • Logo • Name • Contact info • Map • Social	Create Dashboard	Manage Calculate: • Addition • Subtraction • Multiplication • Division	Get data from Sensors and Calculate.

❖ Connecting driver to Mongo Shell.(Locally)

➤ Connecting

- On Mongo Shell use two cmd or terminal, one use command >mongod --port 27017 and next one use command >mongo --port 27017.(Port define by user)
- On Driver(Node.js), we create Folder as C:\Program Files\MongoDB\Server\4.2\data\Sample Backend. And connecting by 'mongodb://localhost:27017/test'

➤ How to start server

1) Run "npm install" in the extracted project folder

2) Run "npm start" to start the React development server

3) Keep 2) running and additionally run "npm run start:server" in a new terminal/ command prompt window (also in the project folder) to start the Node.js server.
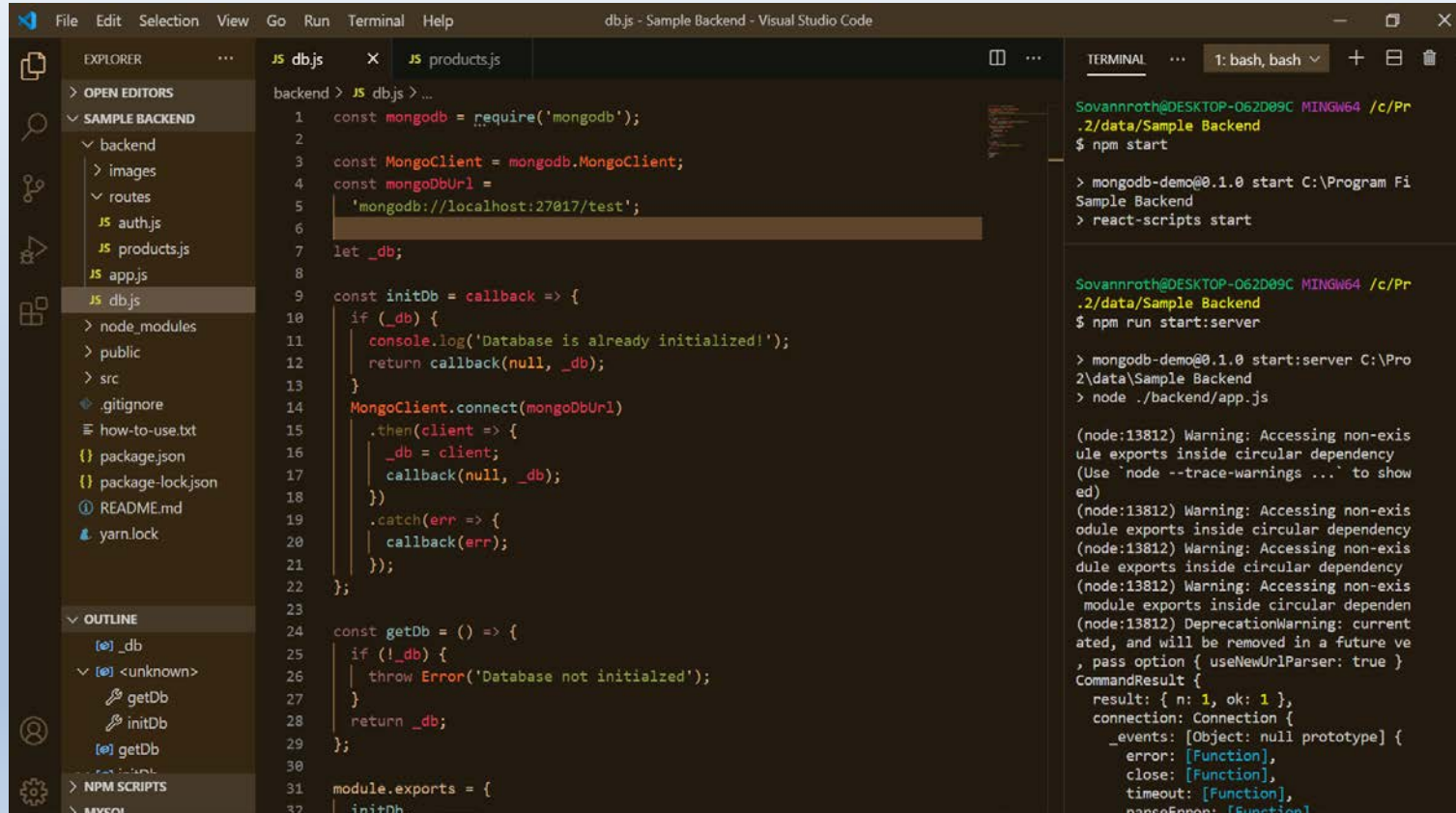
❖ Connecting driver to Mongo Shell.(Locally)

➢ Running server

❖ **Starting to build sample backend**

https://github.com/Chanthan89/Smart-Irrigation/tree/master/Weekly%20Presentation/August-2020/VANNAK%20Sovannroth/Sample%20Backend

❖ **Reference**

http://mongodb.github.io/node-mongodb-native/3.6/api/
https://www.w3schools.com/nodejs/default.asp
https://www.tutorialsteacher.com/nodejs/access-sql-server-in-nodejs
https://www.geeksforgeeks.org/nodejs-tutorials/

Thank You!