

Lappeenrannan teknillinen yliopisto
School of Business and Management

Software Development Skills-Full Stack

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LEARNING DIARY,
MongoDB & ExpressJS

29.12.2023(MongoDB)

In this tutorial I got to learn about the basic CRUD operation to interact with mongodb server which can be done either from mongodb shell command or mongodb compass. The basic CRUD operations allow us to create collections, make changes like dropping collections, insert rows, updating rows, searching elements. Mongodb is unlike relational databases and doesn't follow any particular model which can be very easy to use. In order to connect to the cloud server like mongo atlas we can perform shell commands as well. Later in the project a mongoose package was imported to perform these operations to store data in the mongodb.

02.01.2024(ExpressJS)

This part of the tutorial was extremely helpful as I got to learn how to deal with server-side api and render templates by using express. Things can be done with express js framework in a much simpler way. Moreover I have also learnt how to create REST api, a middleware function to keep logs of each request. In addition to GET requests, I learnt how to make POST, PUT and DELETE requests. In order to check these requests, I initially used a postman as in the tutorial to hit the server but later while doing the project hit the server with an angular component. But for the purpose of this project I only have the chance to test servers only from postman and angular but I look forward to the world with reactjs as well to see how to express framework responses and get to compare when to use what kind applications are best while working on different projects. As I aspire to become a back-end developer this resource was helpful as a beginner but I want to explore more for extensive project work in the future.

05.01.2024(Angular)

The tutorial provided for angular was comprehensive enough to understand how single-page applications work on the client side but it was a bit disoriented in the beginning. As the going forward it covered how simple components work and their basic structure containing necessary files like html, css, specs and ts. The features like service, routing can be integrated to create client side applications. Moreover how a replicated json server can be created was demonstrated. This tutorial along with other tutorials helped me to get started with my angular learning journey but I faced some issues regarding html container loading which took some time to solve. Also while using angular version 17 initially it did not load the module file due to a standalone issue and got it fixed by reinstalling the project. As this was my first time getting to

learn angular things were not easy in the beginning getting used to with declaring the components in module and exporting the components to the module.ts file and keeping track all at once a bit difficult but as I moved forward to the project things became clear and I think this project will help me polishing my skill to the next level. According to me the concerning challenge is when compatibility between different versions of tools changes and that is when the happy path becomes the struggle of solving errors one after another. Also constant learning and practice will help to become familiar with functionalities supported by the framework which will reduce the task, as well as lines of code(usage of methods).