

Lappeenranta teknillinen yliopisto  
School of Business and Management

Software Development Skills

**Dennis Naujokat, 0609886**

**LEARNING DIARY, Software Development Skills: Back-End MODULE**

## LEARNING DIARY

24.11.2020

Today I started the Course, but I skipped the Tutorials for NodeJS, MongoDB and ExpressJS, because I have saw them recently for the Back-End course. So I proceeded directly with the Angular tutorial and learned how to set up the environment and how to make an app with it. This included the basic structure of an Angular App, Components and One-Way-Bindings.

25.11.2020

I continued with the Angular tutorial and learned about Two-Way-Bindings, event-bindings, class-bindings, property-bindings, how to use services in angular, observables, how to use routing in angular and parse parameters via URL and how to make HTTP Request in Angular to load data from an API (included error handling). As a last thing of these tutorial I also learned how to chain similar requests to one, to reduce the network load.

26.11.2020

Today I started with the Mean-Stack Tutorial to learn how to combine Frontend and Backend in one app. Here I learned how to use passport and angular-flash-messages. But I changed the routing function in the way I learned in the angular tutorial. Also needed to do some changes angular now uses HttpClient instead of HttpModule.

27.11.2020

Continued the Mean-Stack-Tutorial with the 8<sup>th</sup> Part and extended the API to send status codes on Error (Frontend needs now error handler to extract body on error). I learned in the 9<sup>th</sup> Video how to use guards to protect routes and how to combine Frontend and Backend. Then I deployed the exercise website to CSC Rathi and finished the tutorial.