Lappeenrannan teknillinen yliopisto

School of Business and Management

Software Development Skills

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LEARNING DIARY, MEAN MODULE

LEARNING DIARY

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This module starts from the introduction of the project. This module discusses REST API using Nodejs and ExpressJS, token generation and authentication. I also learned Cross Origin Resource Sharing (CORS), Mongoose, Angular (CLI), Angular Router, HTTP module, Guards and compiling and deployment of the project.

The project development starts with creating the node server and creating different routes for the API endpoints using ExpressJS. I learned how and why to use cors policies what purpose it servers. I also learned to use models in the node application and using those models with the Mongoose (ODM). Another thing that I learnt from the security point of view is the bcrypt language that is used to compute hash for the password to store into the database and comparing the plain password with the hash of the password stored upon login. Another thing that I learnt is to use API client application like Postman. I also got knowledge about jwt and learned how to use jwt. I learned how to split our application into multiple components logically. I leaned how to make different components communicate with each other. I learned different kind of forms provided by angular, like template driven form and reactive form. I leaned events, services, guards and pipes. I leaned how services are used to make http calls to the api and how guards are used to protect guards from unauthorize access. Moreover, I leaned about Heroku and what services it provides. I also learned to make deployment to the Heroku server.