

# Lappeenrannan teknillinen yliopisto

- **Sending University:** Polytechnic University of Madrid
- **Course Name:** Software Development Skills Full-stack, Online course
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# LEARNING DIARY

18.10.2023

Created testing repository (<https://github.com/luisortizrivera/FullStack>) to test the first modules of the course.

19.10.2023

Watched Node crash course and created demo server.

20.10.2023

Created static folder and played with the endpoint calling logger options to register data from the caller every time one is reached.

23.10.2023

Learned to create delete post and get endpoints and accepting arguments on the route to consider on the functions.

23.10.2023 – 24.10.2023

Watched @TraversyMedia angular app creation crash course (not the mean stack app one) to understand angular capabilities.

Also checked up the mongodb crash course to learn how to set up a basic server and how non relational DB lists are managed.

25.10.2023

Started Mean app creation course.

Created the base Node project, added dependencies and established Mongodb connection settings. Installed MongoDB compatible version locally and run it.

I also added the basic users endpoints routes establishing the main structure of the back end API we're going to use.

28.10.2023

I learned how to create the users schema for mongodb using mongoose and I created different useful functions to retrieve, add and validate the user information. Basic commands to manage the database essentially.

Under routes I created the first post endpoint (/register) to create users making sure that the validation takes care of possible duplicates using the email field as key.

29.10.2023

Added /authenticate endpoint to the routes learning how to use JWT to generate and compare tokens. Separated the passport tokenization generation to another file.

Also made slight modifications to the database management functions.

01.11.2023

I started working on the front end part of the project using Angular framework and added the components and routes for the home and register pages apart from adding the navigation bar and redirections to different pages. I also had to fix some version problems with the packages I installed. Currently following every step of the videos and looking at the comments to figure out version compatibility problems that could arise since the video was made a few years ago.

03.11.2023

I added the HTML and CSS code for the home, navbar and register pages modifying the html files basing the class naming on the added specific Bootstrap css styling chosen file.

08.11.2023

Worked on the register component mainly connecting the html inputs of the form to a function created on the ts file to later be able to do actions or validations on submission.

20.11.2023

Continued work on registration submission validation and actions. Learned how to use flash messages to warn the user about missing fields or incorrect data.

Also adapted the html adding placeholders to make it easier for the user to know what to enter in each field and with which format.

Learned how to create a service using angular and added the validate one to check up on submitted data.

21.11.2023

Focused myself on finishing the service validation correctly.

Followed the video explanation on how to authenticate the an user using the locally stored token. Created an auth service and researched the current way on making the post action to the register endpoint since the one explained and libraries showed were outdated.

In addition I added login form and logout button implementing the deletion of the stored information properly in the auth service as well as learned how to hide buttons depending on conditions added to the html element using \*ngif.

Also improved the overall application security banning access to different routes depending on if the user has logged in or not using the same utility and an auth guard class.

Lastly I was able to compile the angular project using ng build.

22.11.2023

Fixed minor found problems with versions, compatibility and code structure.

I tried to deploy the project to Heroku, but I encountered some problems setting the mongo database on cloud since the version needed is not available in the free cluster offered by mongo atlas hence I reversed it and left it built at least.

Filled the README file after checking the used versions of everything I used.