

Lappeenranta teknillinen yliopisto
School of software engineering

Software Development Skills

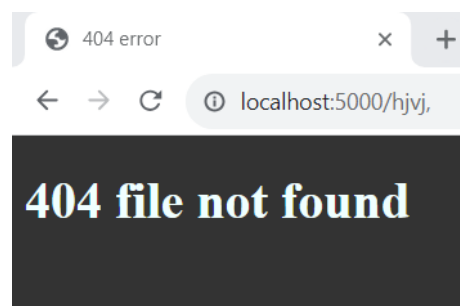
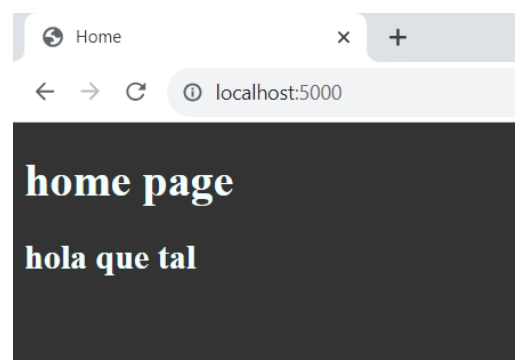
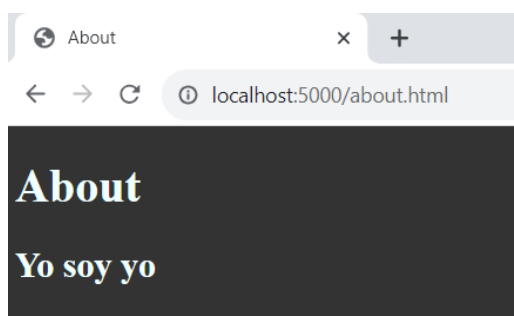
<Eduardo Lopez Palomo>, <001801525>

LEARNING DIARY, nodejs MODULE

Date : 26/09/2023

Activity : Video lecture of Node.js Crash Course

Learning outcome: I check out the course information, I create my setup choosing VS code as my editor because I already use it. Then I saw the video and for the first hour I just learned about the different types of requirements, like fs or path, that node modules have. The last 30 minutes I try to do the simple website with javascript using http, path and fs as requires. I also did the git repository and pushed everything into it.



LEARNING DIARY, MongoDB MODULE

Date : 27/09/2023

Activity : Video lecture of MongoDB Crash Course

Learning outcome: I installed mongodb and mongo shell because I'm using windows.
I create a database with one collection and simple objects.

```
_id: ObjectId('6513f6c47fb62b55b4ac0cbe')
tittle: "hola"
body: "que tal estas"
category: "news"
likes: 5
tags: Array (2)
users: Object
```

```
_id: ObjectId('6513fa3ea9cf472764e4417d')
tittle: "Whatsaaapp"
body: "ke lo ke"
category: "news"
likes: 8
tags: Array (2)
users: Object
date: "Wed Sep 27 2023 12:47:42 GMT+0300 (hora de verano de Europa oriental)"
```

```
_id: ObjectId('6513faa9a9cf472764e4417e')
tittle: "Kenobbbiiiii"
body: "hello theere"
category: "news"
```

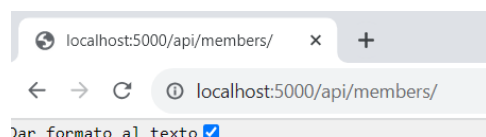
I also learned how to use embed comments, text search and the use of commands like find, update, delete and create index.

LEARNING DIARY, Express JS MODULE

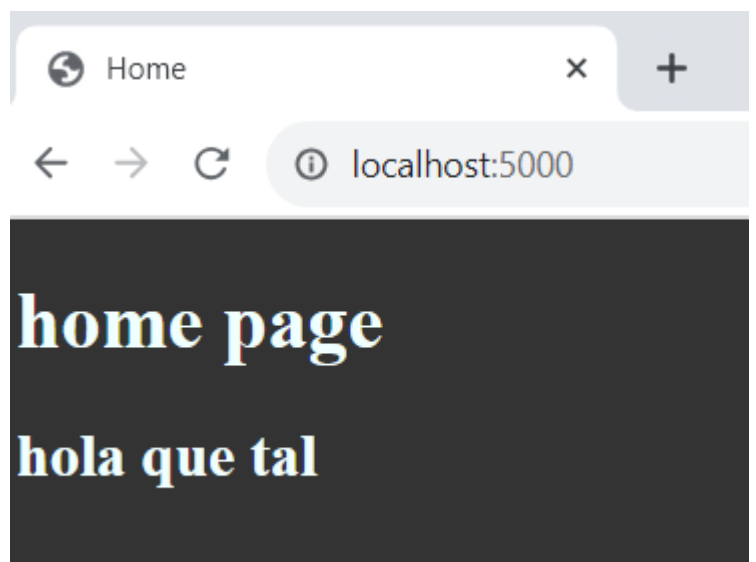
Date : 28/09/2023

Activity : Video lecture of Express JS Crash Course

Learning outcome: I used express js to build a web instead of node js and not only is it simple to use, it is also easier to understand and code. To prove that I made the same web plus a new page when you can see members that are in json. Not only that you can also add new members, delete members or change some parameters.



```
[
  {
    "id": 1,
    "name": "Edu",
    "email": "e.lpalomo@gmail.com",
    "status": "active"
  },
  {
    "id": 2,
    "name": "Alfredo",
    "email": "alfredo@gmail.com",
    "status": "active"
  },
  {
    "id": 3,
    "name": "Roberto",
    "email": "robert@gmail.com",
    "status": "inactive"
  }
]
```

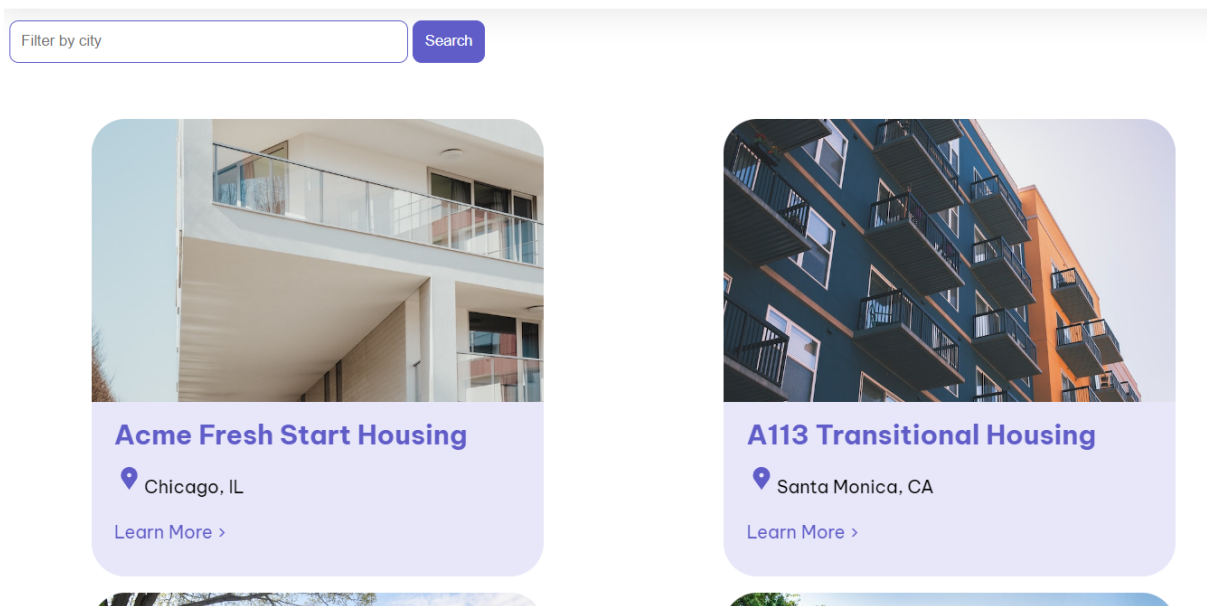


LEARNING DIARY, Angular MODULE

Date : 29/09/2023

Activity : Angular tutorial your first angular app

Learning outcome: I used angular to build a website. I learned how angular works, the fundamentals, the cli, components services, events http and routing. Although I had some problems, because I couldn't run the scripts. Later I fixed it and I was able to do the project.





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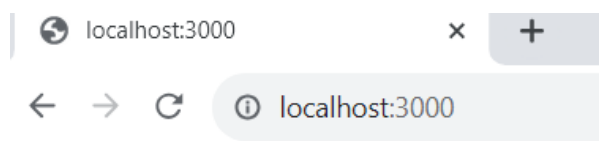
LEARNING DIARY, MEAN-Stack Front To Back MODULE

Date : 3/10/2023

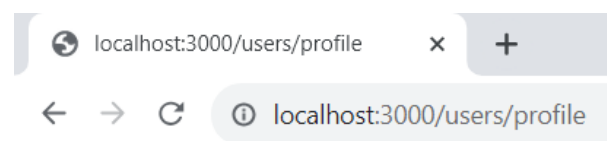
Activity : MEAN Stack Front To Back- Express Setup & Routes and User Model & Register

Learning outcome: today I've done several things: started the project putting all the dependencies, connected to the mongo database and if an error happened I sent a message. I also separate the users and export their routes with express router.

I also make that you can do a http post with a user with name, email, username and password. The password is encrypted and if there is no error the user is in the mongo database.



Hello



profile

Date : 4/10/2023

Activity : MEAN Stack Front To Back- API Authentication and Token

Learning outcome: today I tried to make an api authentication, and following the video I face some problems. The first one was this method ExtractJwt.fromAuthHeader(). I changed it for this one ExtractJwt.fromAuthHeaderWithScheme("jwt") and it works. Another problem was

this error: login sessions require session support. did you forget to use `express-session`, because the tutorial is old now for using passport initialize and session, first you have to use the session function from express-session.

Date : 5/10/2023

Activity : MEAN Stack Front To Back- API Authentication and Token

Learning outcome: Trying to fix the previous error I realize that I didn't have any user in the database and that may be the problem. Then when I was trying to put in some users another error came. In the new versions of mongoose .save() does not use callback. So when I take back the callback from save() the user is saved in the database but there is no message of success or error because there is no callback. Therefore I no longer use addUser, instead i add the user directly in the router.post.

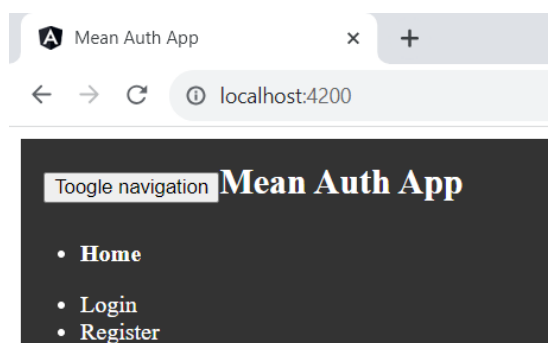
Now in the fourth video after fixing errors like findOne doesn't have a callback, or now you have to use express-session. The error is that the payload needs to be a plain object and apparently it isn't. So I use this JSON.parse(JSON.stringify(user)) to make user a plain object and now everything works.

```
{
  "success": true,
  "token": "JwTeyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJJfawQioiI2NTF1YjhlYjVlZGQyMzQxOTQwYTA2ZDMiLCJuYm91IjoiaWR1YXJkbyBMb3BleIiIsImVtYWlsIjoizS5scGFsb21vQGFSdW1ub3MudXBtLmVzIiwidXNlcm5hbWUiOiJFZHVhcmRvIiwicGFzc3dvcmQioiIkMmEkMTAKZ1d6WFZMRUlydkFSN0R9NQW12RDBOLnVWVG1FbUlabGQwYU1sTWVFMGlXRFXVYwLWVhZjJ2U1LCJfX3YiOiJAsImldCI6MTY5NjYwNjk40SwiZXBwIjoxNjk3MjE5Nzg5fQ.ZLNRItAWwLzr_YzDV1i1tDDyb0upnWkKs1boC8P-a8s",
  "user": {
    "id": "651eb8eb5edd2341940a06d3",
    "name": "Eduardo Lopez",
    "username": "Eduardo",
    "email": "e.lpalomo@alumnos.upm.es"
  }
}
```

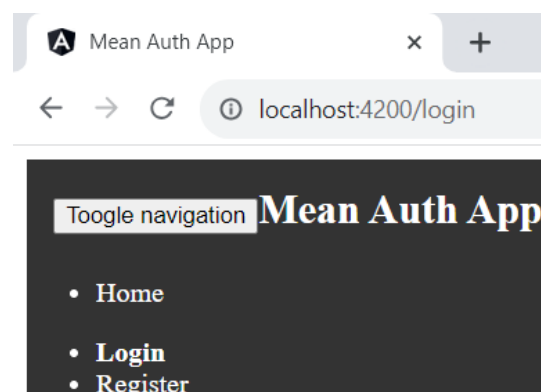
Date : 6/10/2023

Activity : MEAN Stack Front To Back- Angular 2 Components & Routes

Learning outcome: Today I followed the tutorial to make the front with angular. So i installed and using the commands that angular has it was pretty simple to make the navigation between pages. But there is no day without problems, and today the nav bar is not as pretty as i like even with the css that i wrote for it. So I need to see what I'm missing and fix it.



home works!



login works!

Date : 10/10/2023

Activity : MEAN Stack Front To Back- Register Component, Validation & Flash Messages

Learning outcome: Today I followed the tutorial to make the register page. Beside the format of the text and the buttons I face another problem, angular2 flash messages didn't work even with this command: `npm install angular2-flash-messages@1.0.8 --save`. So instead of using flash messages I use ngx-toastr.

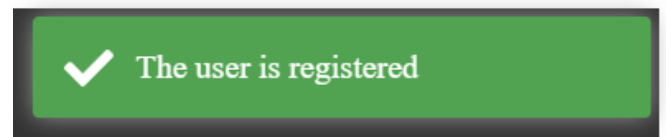
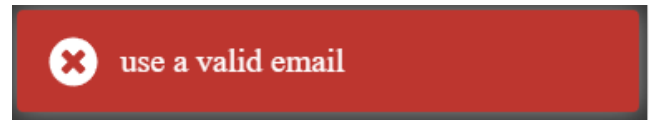
Register

Name

Username

Email We'll never share your email with anyone else.

Password



I also change the home page, but without the css the page is a little bit ugly:

Mean Authentication app

welcome to our custom mean authentication app

[Register](#) [Login](#)

Express Backend

A rock solid Node.js/Express server using Mongoose to organize models and query the database

Angular-CLI

Angular-CLI to generate components, services and more. Local dev server and easy compilation

JWT Tokens

Full featured authentication using JSON web tokens. Login and store user data

Date : 11/10/2023

Activity : MEAN Stack Front To Back-
Auth Service & User Registration and

Login & Logout

Learning outcome: Today I made sure that the user you register is saved in the database. The problems I faced today were easy to fix. One was that `@angular/http` doesn't work anymore, so I had to use `angular/commun/http`. Another error was the function map that i solve it using `.pipe(map(...))`

Register

Name

Username

Email We'll never share your email with anyone else.

Password

```
_id: ObjectId('6526b69ed61c66e5f6bd82c7')
name: "Fernando Alonso"
email: "fernando@gmail.com"
username: "FernandoAlonso"
password: "$2a$10$DzEdqh6n0B5.FtcoMaBQP.dhHCjQ3QLKE8TLVYy19NhXn75oZy1X0"
__v: 0
```

Later I made the login page and the logout button in the navbar. If the user is not in the database you see a message saying that there is no user, but if you put another password the message is that it is the wrong password. When you log in and log out successfully, you also see a message

Login

Username

Password

☐ Remember me

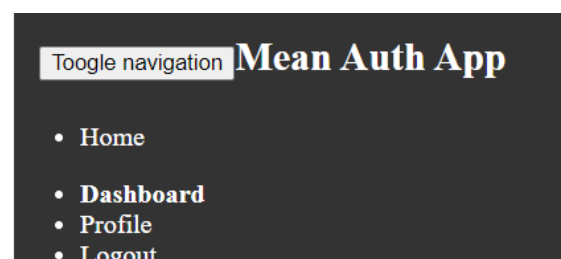
✓ You are logged in

✓ You are logged out

Date : 13/10/2023

Activity : MEAN Stack Front To Back- Protected Requests & Auth Guard

Learning outcome: Today I made the profile page and also I made an authguard. The authguard is responsible to detect if there is a token, a user logged in. If there is a user the web page shows in the navbar the profile and dashboard pages and the logout button, but if there is no user the navbar only shows register and login. It's also responsible for not allowing going to the profile or dashboard page if there is no user logged in.



The navbar if there is no user

the navbar if there is a user

Eduardo Lopez

- Username: Eduardo
- Email: e.lpalomo@alumnos.upm.es

Date : 14/10/2023

Activity : Css and the build application

Learning outcome: Today I made every part of the project more stylish adding css. I also changed some things in the html to make the web more pleasant. And now that i build the application the port is 8080 and now you can't see if you make a change in the project instantly.

[Home](#)[Login](#)[Register](#)

Mean Authentication app

welcome to our custom mean authentication app

[Register](#) [Login](#)

Express Backend <p>A rock solid Node.js/Express server using Mongoose to organize models and query the database</p>	Angular-CLI <p>Angular-CLI to generate components, services and more. Local dev server and easy compilation</p>	JWT Tokens <p>Full featured authentication using JSON web tokens. Login and store user data</p>
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Login

Username

Password

☐ Remember me

Register

Name

Username

Email

We'll never share your email with anyone else.

Password

Eduardo Lopez

- Username: Eduardo
- Email: e.lpalomo@alumnos.upm.es

Dashboard

Welcome to the Dashboard

This is your dashboard content. You can customize this section with various widgets, charts, and data as needed.

Date : 15/10/2023

Activity : App Deployment to Heroku and dashboard page

Learning outcome: Today I tried to use heroku to deploy my website but it was impossible since it is mandatory to pay for it. So I try to use it like in front end github pages but github pages is for only front pages. So I simply improved the website by changing the home page a little bit and the dashboard.

[Home](#)[Login](#)[Register](#)

Mean Authentication app

welcome to our custom mean authentication app

[Register](#)[Login](#)

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[Home](#)[Dashboard](#)[Profile](#)[Logout](#)

Your items

Tv without controller

Jacket size L

Nintendo switch blue