## Node + express + mongo rest api.

- 1) npm init for generaling Package. \$ile , bit enter until ison

  it done
- 1 npm insitall express install express
- 3 npm install no Jemon- install nodemous overytime regresh code regresh server
- and your our server in a script remove test and add
- 3 creade app. is Sile
- 6) const express = require ('express');
  add express to app
- D const app = express(); execute express

- 3) app. Listen (3000); Listen to Port
- @ app. get ('/', (req, res) => {
   res. send ('we are on posts');
   3);
  - 3);
    1 routs (gets, Post, Jelete,
    Padch)
    "Plate
- middle wares (functions that execute with its route hit)
  - app.use ('/', () => {

    console.log("---");
  - this run with call of 12 route
- npm install mongoose install mongo

m) npm install dotent - to hide codential (3) Const mangoose = require ('mongoose') mongoose. Connect (") () => (consoleslog ("connected to DB!") Connect db (4) use env sile to hide important en dada, anyone cannot see it dada in env DB-Connection = mon URL in all. is simple the second of the second require ('Joten v/config); mongoose. Connect (Processienv. DB\_ Connection , ()=) Console. log ("connected to DB1)

## 15) Add routes to disferent file 1. make routers folder 2. make Posts is file

const express = require ('express'); const rouder = express. Rouder();

router get ('/', (req, res) => {
 res. send ("we are on Posts");

module. exports = router;

import

const postRoute = require ("./routes/Posts");
app. use ("/Posts", PostRoute);

La in A restole De MA PERS

make models. 1. make models folder 2. mane Post-is file Sch const mongoose = require ("mongoose"); const PostSchema = mongoose. Schema (& title: 8 type: String, required : Irue description: } type: String, required: true Jate: Employed 1200 type: Date, default: Date now

router. Post ("/", (req, res) => { Console. Log (req. body);

change to json object.

npm install body-parser

app.is

Const body Parser = require ("body-Parser")

all use (bodyParser. ison());

every time when we call request this middle ware called and charg darla to ison

图add data to 封DB in end found in Posts is need to change like this router. Post (1', (req, res) => { const Post = new Post ( & title: req body title, description: rey, body description 3): Post, Save () · ther (data =) { res.ison (data); - Carlch (err =) { res. json ({ message; err}); reformat router. Post [11, async (reg, res) => { const Post = new Post ( & tille : res. body. title, 3); description: res. body. description const saved Post = await Post Save ();

res. json (saved Post);

3 (atch (err) {

res. json ({ message : err3);

}

Get data from dB Posts. is router. get (1', async (req, res) => } to45 const Posts = await Post. find (); Jes ison (Posts); 3 catch (err) 4 res. ison ({ message: err}); 3); get specific one charge & Comments. & Const Posts = await Post find By Id (req.

Params. PostId);

10) allete dada from DB router. delete ("/: postId", asyn((reg, res)=){ try & Const remove Post = await Post, remove (& res. ison (remove Post); -id: req. Params. Post Id) 3 Carch (err) ? res. json ({ message: eri}); 3); (21) uPdate data on DB touter. Padch (1: PostId, async (reg, res) =) { try & Const uldate Post = await Post updateone ( } \_1d:req. Params. PostId3, { \$set: { title: req. body. title 33); res. ison (uPdate Post); 3 Carlch (err) 7 res. ison({message: exi});

nem install cors

are.is

const cors = require ('cors');

app. ruse(corsc);

(23) Call from frontend

fedch ( http://localhost: 3000/Posts')

then (result => {

console.log(result);

3)

(1620) 9/2/2/2 Post); 29%

1 (no) No (no)

(fire special for the season of the

## JWT (Json web token)

Authorization Authentication Bockend clients user alon request userod data abourn check

ensered data aboum check enborn of ob. of suser of soco

user soon request checkentende 60 3) user 00 60 request stoom souli (using token) once we sond user in login brocess

(1) nem init auto reload nutemon nom install notemon npm install express (2) "start" = "nodeman index.is" 3) const express = require ("express"); const app = express(). app. get ("/", (reg, res) => } res send ( " OPP. Listen (5000, () => { console. log ("now this sunning on soci") 3) Sign up route user Provide an validate Email & Emailan Pussuard passuer d validate is user with hash the Passuced & that Email doesn't encoilly Already Exist save user to DB send a JWT

make occides folder make authoris file add if to index is file

const auth: require ("./roudos/auth")

const body Parser = require ("body-Barser")

app. use (body Parser. ison():

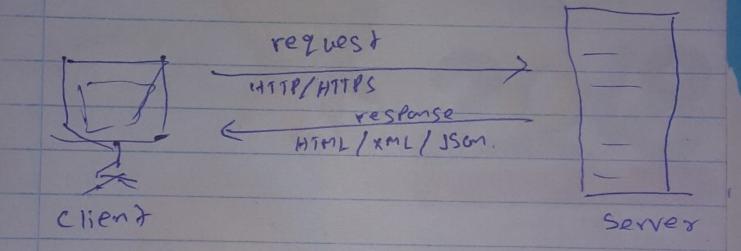
app. use ("/auth", auth)

(5) express validater use for validation remail and passuord.

nom install express-validator

const {

ctient make request to server using HTTP/ HTTPS Jeangua medhods and server make respond to server using me leanguage server ca cliend can understand



15 SJEP for backend

Test request response Cycle is worning or not

find Simple sindex for request