Creating a Backend

1. Create a separate folder called backend
2. Inside it create a file called inde.js
3. Next step is to run the following command npm init -y (after that put the “type”:”module” in the package.json)
4. Then after that install express and dotenv by using the following command npm I express dotenv
5. Finally install the nodemon to see tha changes without refresh again and again by following command npm install --save-dev nodemon(also install npm I cors and then pg,msql,MongoDB based on your need)
6. Then to run the project use the following command nodemon index.js

Creating an API

1. Index.js

Create an index.js file

import express from “express”;

import cros from “cros”;

const app = express;

const port = 3000;

app.use(cors());

app.ise(express.json());

app.listen(port,()=>{

console.log(“Listening to the port ”.port)

}

);

app.use(“/”,()=>{

return (“<h1>Hello World</h1>”)

});

1. Create a folder called src and put index.js inside it and create 3 folders services, controllers, routes and finally create a db.js file and .env file

Import pg from “pg”;

Import dotenv from “dotenv”

Dotenv.config();

Const db = new Pg.Client({

User:process.env.PG\_USER,

Host: process.env.PG\_HOST

Database: process.env.PG\_DATABASE,

Password:process.env.PG\_PASSWORD

Port: process.env.PG\_PORT

}};

Db.connect();

Db.on(err,()=>{

Console.err(“Unexpected Error on Client IDLE:”,err);

}

Export const query = (text,params) => db.query(text,parms);

1. Next step is to create a services.js file

Import db from”./db.js”;

Export const getClients = async () ->{

Cosnt {rows} = db.query(“The Query you want to get data”);

Return rows

}

1. Create a controller.js file

Import \* as services from “../services/services.js”;

Export const getClients = async (req,res) =>{

Try{

Const clients = await services.getClients()//from the services.js

Res.status(200).json(clients)

}

Catch(err){

Consol.err(“Error:”,err);

Res.status(500).json({message:”Error”})

}

}

5)Create a routes.js file

Import express from “express”;l

Import \* as controller from “../controller/controller.js”;

Const route = express.Routes;

Route.get(“/clients”,controller.getClients)//Here it is from the Controller and also the get,post,put based on the usage;

Export default from route;

1. Update the index.js

import express from “express”;

import cros from “cros”;

import \* as clientRoutes from “…/routes/routes.js”;

const app = express;

const port = 3000;

app.use(cors());

app.ise(express.json());

app.listen(port,()=>{

console.log(“Listening to the port ”.port)

}

);

App.use(‘/api’,clientRoutes.route)