**MERN BOOTCAMP**

**Mango DB** - <https://docs.mongodb.com/manual/tutorial/install-mongodb-on-windows/>

Run MangoDB - C:\Program Files\MongoDB\Server\5.0\bin\mongod.exe

**Express JS** - <https://expressjs.com/>

1) npm init => start server.

2) npm i express => install Express.

Before any project do this

// add all used packages as mentioned below.

const express = require("express");

const app = express();

const port = 3000

// create routes

app.get('/', (req, res) => {

  res.send('Hello World!')

})

app.listen(port, () => {

  console.log(`Example app listening on port ${port}`)

})

**Nodemon**

When we change code, we need to restart server, to prevent this we use nodemon (automatic reload)

npm install nodemon => install nodemon

update json file ->

"scripts": {

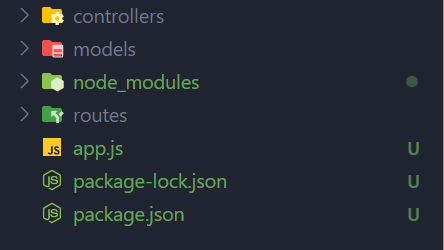
    "start": "nodemon index.js"

  },

To start server use -> npm start

**Backend Development**

Create projbackend folder and create folders as mentioned below



**Mongoose** – used to deal with mangodb and object modelling.

**Documentation** - <https://mongoosejs.com/docs/guide.html>

**Salt cryptography** - <https://en.wikipedia.org/wiki/Salt_(cryptography)>

It is used to store password in encrypted format.

Steps for backend –

1. Add required libraries.
2. Create Models (Mangoose Schema).
3. Export module as

module.exports = mongoose.model("User", userSchema);