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1. Introduction.

There will be a general information about project, MERN stack and all side tecnologies.

1.x VSCode

1.x.1 Prettier set up

https://glebbahmutov.com/blog/configure-prettier-in-vscode/#settings

VSCode setup

To use the Prettier we have just installed from VSCode we need to install the Prettier VSCode extension:

1. Launch VS Code Quick Open (Ctrl+P)
2. Run the following command

```
ext install esbenp.prettier-vscode
```

Because you might have global settings related to code formatting, I prefer having in each repository a file with local workspace VSCode settings. I commit this file `.vscode/settings.json` to source control to make sure everyone uses the same extension to format the code.

.vscode/settings.json

```
{
  "editor.defaultFormatter": "esbenp.prettier-vscode",
  "editor.formatOnSave": true
}
```

Now every time we save a JavaScript file, it will be formatted using Prettier automatically. Here is me formatting `projectA/index.js`

2. Express & MongoDB Setup

2.1. MongoDB Atlas Setup

2.1.1 Create an account at MongoDB.com

2.1.2 Log in at MongoDB.com

2.1.3 Create a new project at mongoDB.com

2.1.4 Create a new cluster

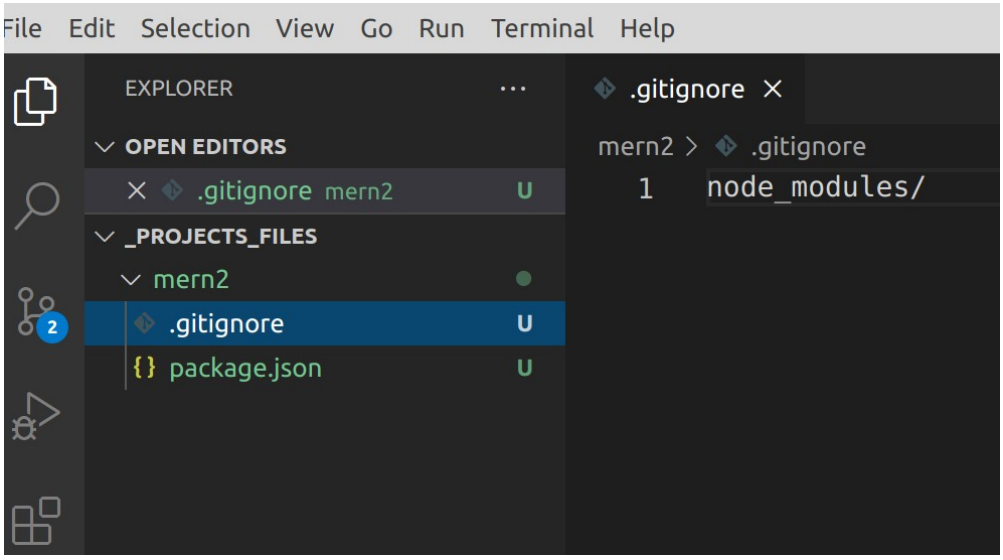
2.1.5 Create a new user

2.1.6 Change whitelist of IP addresses

2.1.7 Create a connection to database

2.2 Install Dependencies & Basic Express Setup

2.2.1 Create a file .gitignore. Add to that file folder node_modules/



2.2.2 Create GIT repository with [CLI=> git init]

2.2.3 Create NPM with [CLI=> npm init]

2.2.4 Install all the regular dependencies

[CLI=> npm i express express-validator bcryptjs config gravatar jsonwebtoken mongoose request]

2.2.5 Install all the developer dependencies

[CLI=> npm i -D nodemon concurrently]

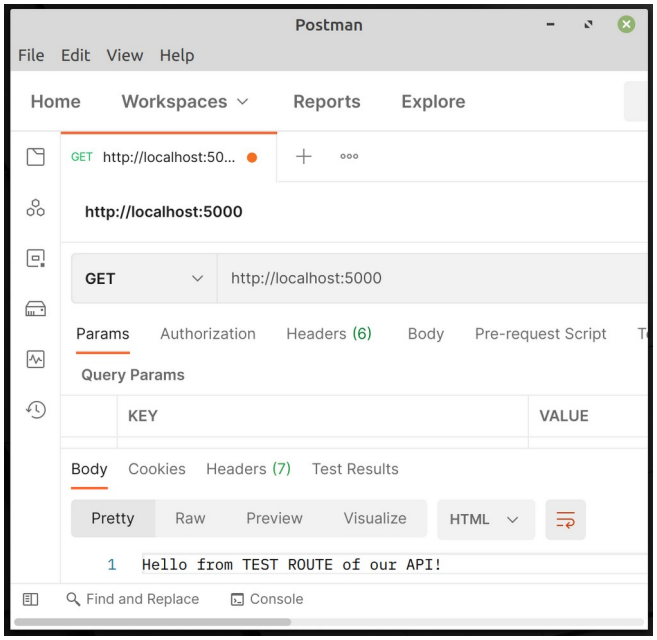
2.2.6 Create a main entry file – server.js

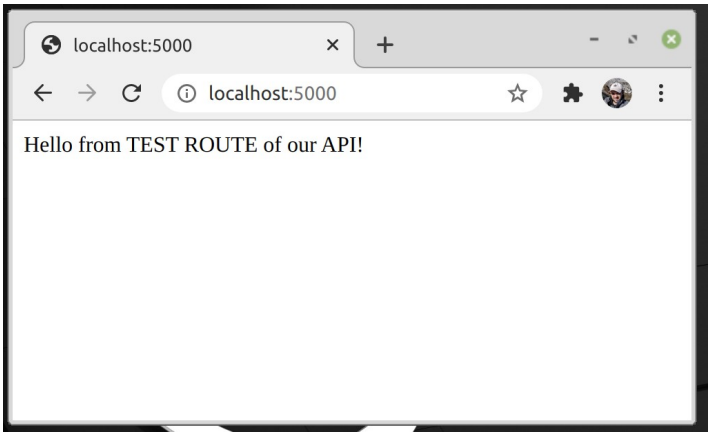
[CLI=> touch server.js]

2.2.7 Change start scripts at package.json

Now to start server: [CLI=> npm run server]. It will start SERVER.JS file with NODEMON

2.2.8 Create a SERVER with simple test route


Postman
File Edit View Help
Home Workspaces Reports Explore
GET http://localhost:50...
http://localhost:5000
GET
http://localhost:5000
Params Authorization Headers (6) Body Pre-request Script
Query Params
KEY
VALUE
Body Cookies Headers (7) Test Results
Pretty Raw Preview Visualize HTML
1 Hello from TEST ROUTE of our API!
Find and Replace Console


localhost:5000
localhost:5000
Hello from TEST ROUTE of our API!

3. User API Routes & JWT Authentication