

## How to Setup & Run this Project

How to Run Project (Video Tutorial) - [click here](#)

OR

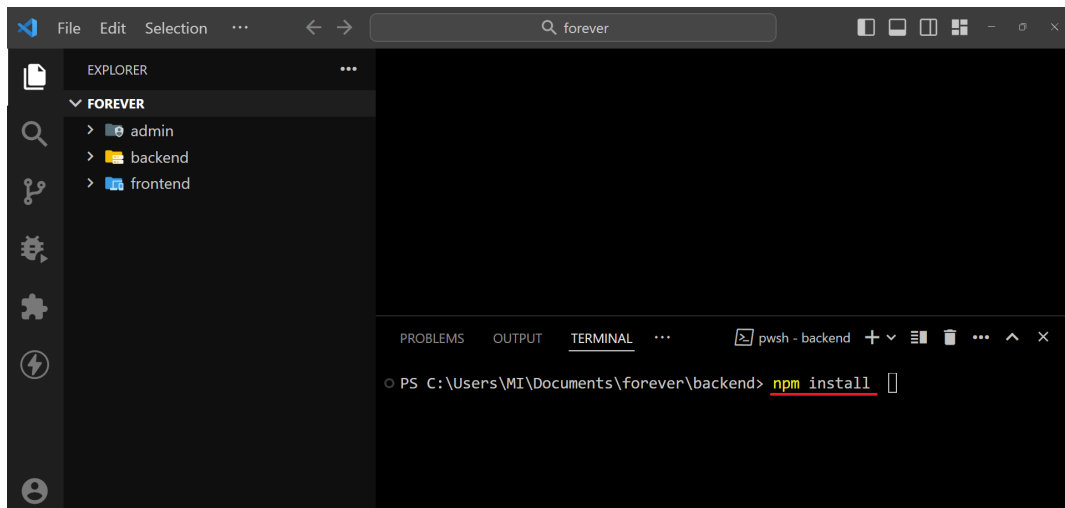
### ❖ Install NodeJs ( Ignore If Already Installed)

1. Visit the official Node.js website i.e) <https://nodejs.org/en/download/>
2. Download the Node.js installer
3. Run the installer.
4. Follow the prompts in the installer.

—First Run Backend then Frontend & Admin—

### ❖ Steps To Setup Backend Of The Project

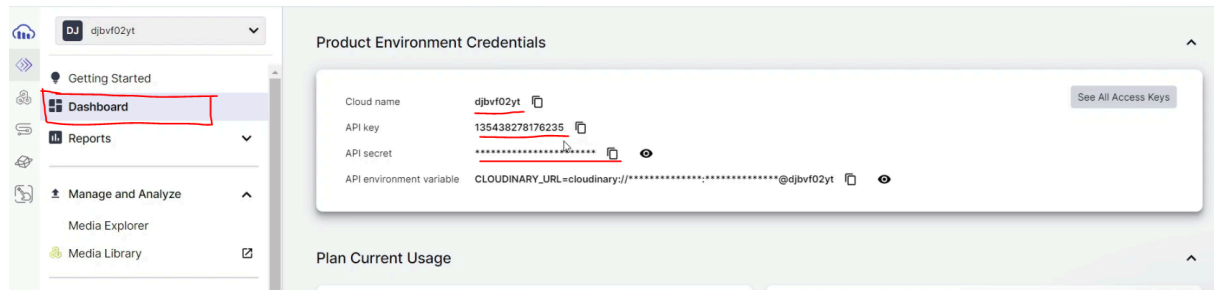
1. Open Project Folder In VS Code
2. Open Integrated Terminal
  - Right Click on 'backend' > Select "Open In Integrated Terminal"
3. Type "**npm install**" and press Enter and Wait for Installation to be completed (requires Internet)
- 4.



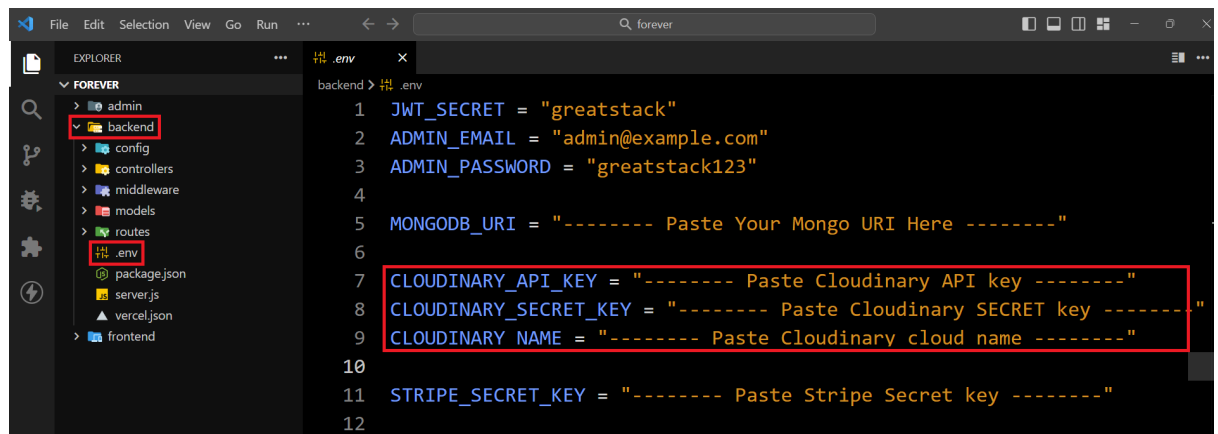
## 5. Setup Cloudinary for file storage.

Create account and login to: <https://cloudinary.com/>

The go to Dashboard

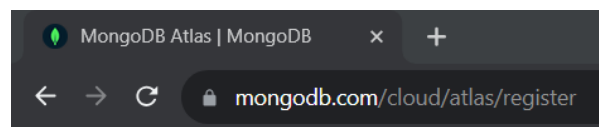


Copy and paste the Cloud Name, API Key, And Secret Key in the [backend / .env file](#):



## 6. Setup The MongoDB


a. Open this link - [LINK](https://mongodb.com/cloud/atlas/register)



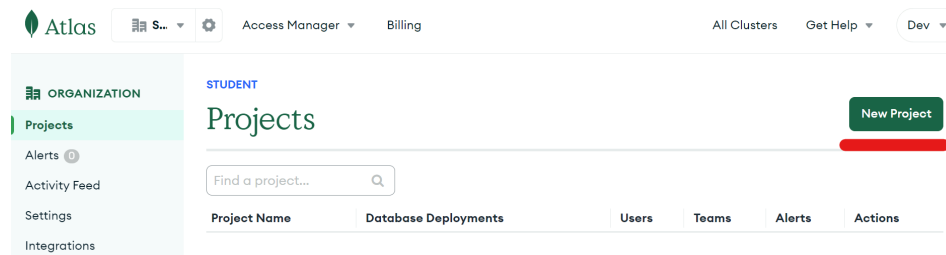
b. After that Sign Up on the website.

# Sign up

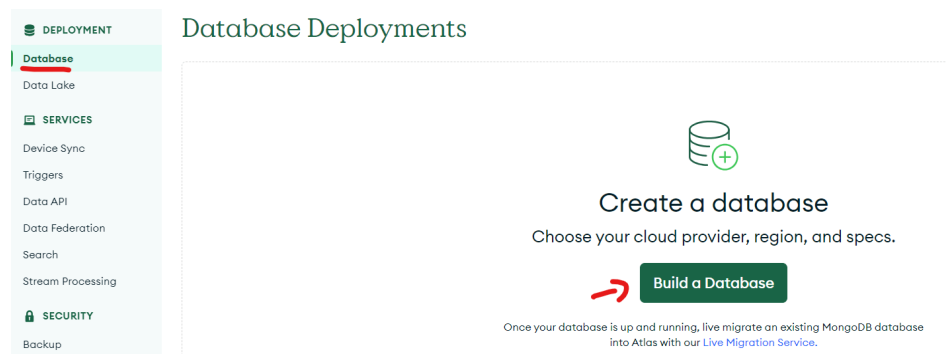
See what Atlas is capable of for free

 Sign up with Google

## c. Click on New Project Option



## d. After Creating Project go to Database Section & Build a database



## e. Select M0 & Your Region & Create Database

**MongoDB**

### Deploy your database

Use a template below or set up [advanced configuration options](#). You can also edit these configuration options once the cluster is created.

**M10** **\$0.10/hour**  
 For production applications with sophisticated workload requirements.  

|         |      |         |
|---------|------|---------|
| STORAGE | RAM  | vCPU    |
| 10 GB   | 2 GB | 2 vCPUs |

**SERVERLESS** **\$0.10/1M reads**  
 For application development and testing, or workloads with variable traffic.  

|           |            |            |
|-----------|------------|------------|
| STORAGE   | RAM        | vCPU       |
| Up to 1TB | Auto-scale | Auto-scale |

**M0** **FREE**  
 For learning and exploring MongoDB in a cloud environment.  

|         |        |        |
|---------|--------|--------|
| STORAGE | RAM    | vCPU   |
| 512 MB  | Shared | Shared |

Provider: aws Google Cloud Azure

Region: ★ Recommended region  
India Mumbai (asia-south1) ★

Name: You cannot change the name once the cluster is created.

Tag (optional): Create your first tag to categorize and label your resources; more tags can be added later. [Learn more.](#)  
 :

**FREE**

**Create**

Free forever! Your M0 cluster is ideal for experimenting in a limited sandbox. You can upgrade to a production cluster anytime. [I'll deploy my database later](#)

[Access Advanced Configuration](#)

## f. Setup Username & Password & Create User

Create a database user using a username and password. Users will be given the *read and write to any database* privilege by default. You can update these permissions and/or create additional users later. Ensure these credentials are different to your MongoDB Cloud username and password.

**Username**

**Password**

Autogenerate Secure Password Copy

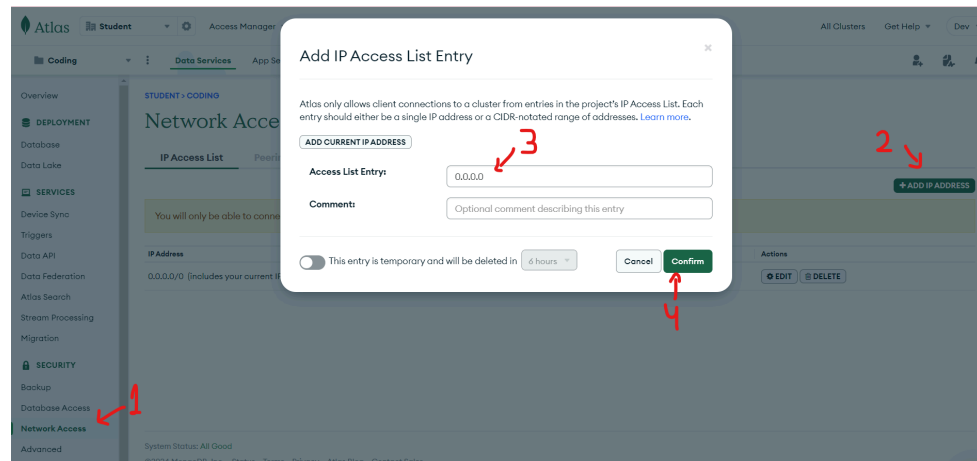
**Create User**

**Note:** Do not use '@' symbol in the password

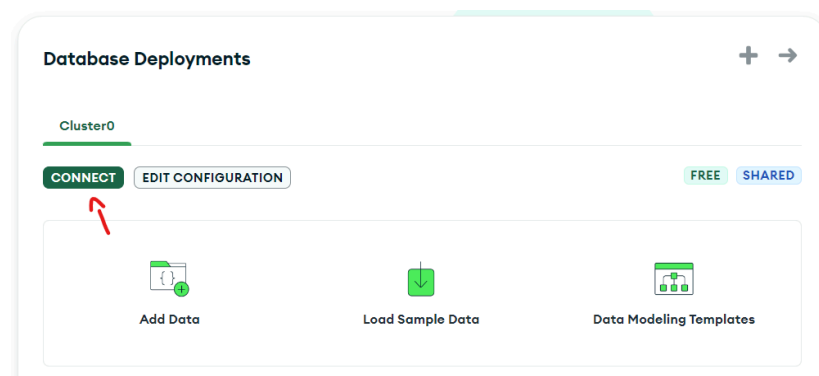
## g. Now Click on Finish & Close

**Finish and Close**

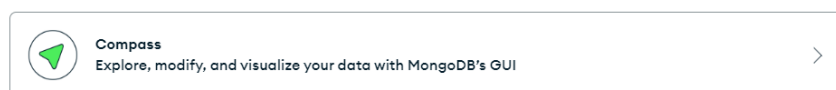
## h. Whitelist IP 0.0.0.0 & Click on Add Entry



## i. Now Click on Connect



## j. Now Select Compass Option



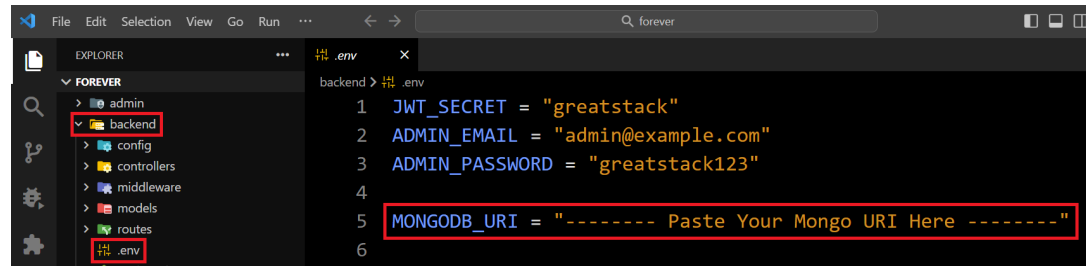
## k. And Copy the Connection String

### 2. Copy the connection string, then open MongoDB Compass

```
mongodb+srv://greatstack:<password>@cluster0.zybuehd.mongodb.net/
```

Replace **<password>** with the password for the **greatstack** user.  
When entering your password, make sure that any special characters are [URL encoded](#).

- I. And Paste It in the **backend / .env** file and replace the **<password>** with the password you set previously in 4.F & save changes.



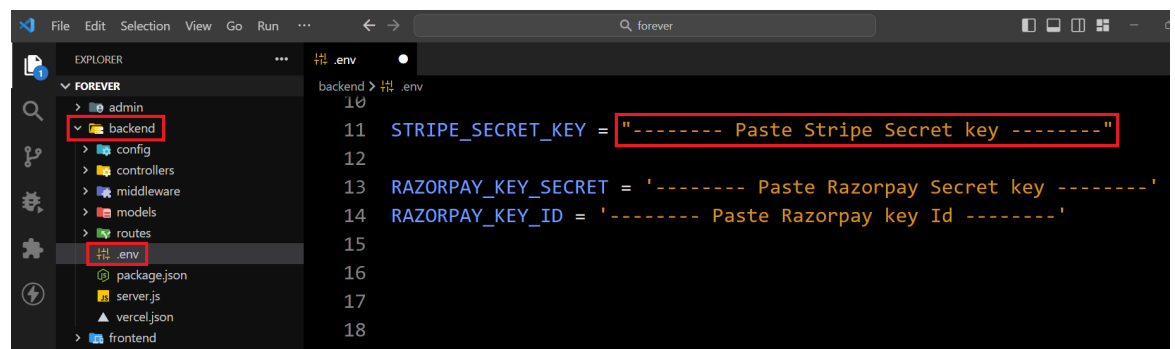
The screenshot shows the VS Code interface with the Explorer on the left and the Editor on the right. The Explorer shows a project structure with folders like 'admin', 'backend', 'config', 'controllers', 'middleware', 'models', 'routes', and '.env'. The 'backend' folder is selected. The Editor shows the 'backend/.env' file with the following content:

```
1 JWT_SECRET = "greatstack"
2 ADMIN_EMAIL = "admin@example.com"
3 ADMIN_PASSWORD = "greatstack123"
4
5 MONGODB_URI = "----- Paste Your Mongo URI Here -----"
6
```

- In mongodb uri don't add " / " in the end

## 7. Setup Stripe ( Optional ) -

- create a stripe account from [here](#)
- After creating account get the **Stripe Secret Key** from dashboard
- Paste the Secret Key in **backend / .env** file and save file

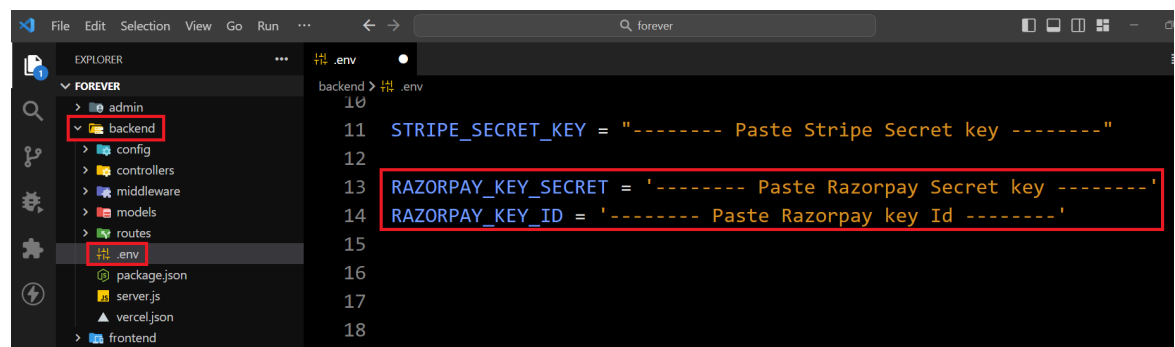


The screenshot shows the VS Code interface with the Explorer on the left and the Editor on the right. The Explorer shows a project structure with folders like 'admin', 'backend', 'config', 'controllers', 'middleware', 'models', 'routes', and '.env'. The '.env' file is selected. The Editor shows the 'backend/.env' file with the following content:

```
10
11 STRIPE_SECRET_KEY = "----- Paste Stripe Secret key -----"
12
13 RAZORPAY_KEY_SECRET = '----- Paste Razorpay Secret key -----'
14 RAZORPAY_KEY_ID = '----- Paste Razorpay key Id -----'
15
16
17
18
```

## 8. Setup Razorpay( Optional ) -

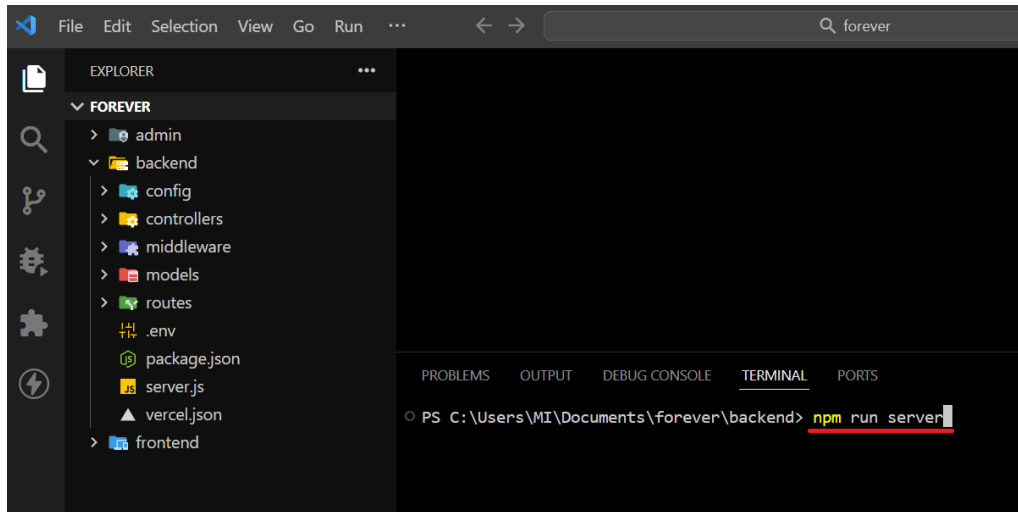
- create a razorpay account from [here](#)
- After creating account get the **Razorpay Secret Key & Razorpay Key ID** from dashboard
- Paste the Secret Key in **backend / .env** file and save file



The screenshot shows the VS Code interface with the Explorer on the left and the Editor on the right. The Explorer shows a project structure with folders like 'admin', 'backend', 'config', 'controllers', 'middleware', 'models', 'routes', and '.env'. The '.env' file is selected. The Editor shows the 'backend/.env' file with the following content:

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11 STRIPE_SECRET_KEY = "----- Paste Stripe Secret key -----"
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14 RAZORPAY_KEY_ID = '----- Paste Razorpay key Id -----'
15
16
17
18
```

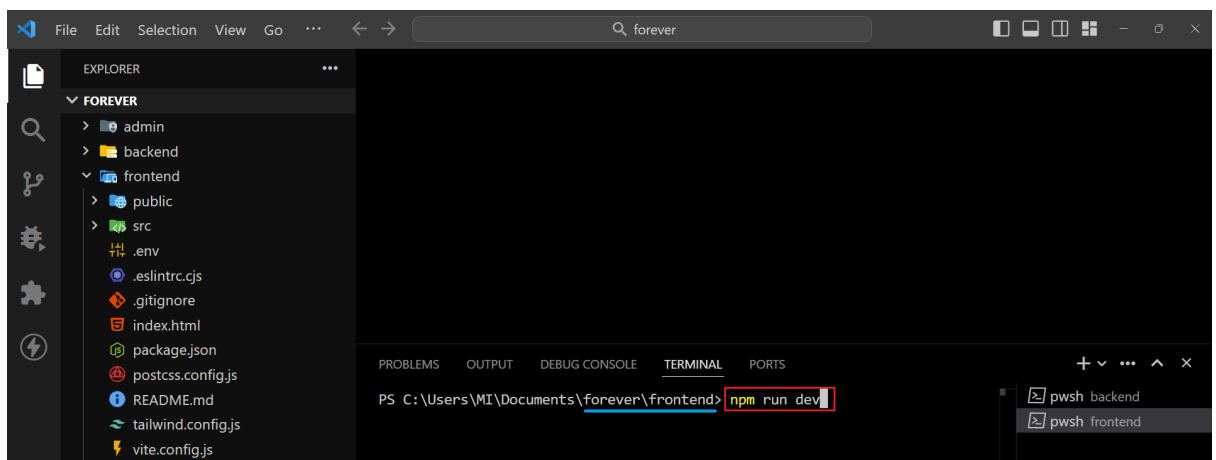
9. To Run Backend use **npm run server** command in Integrated Terminal



>>> Before Running Frontend or Admin Projects make sure Backend is Running in the background terminal

#### ❖ Steps To Run Frontend of The Project

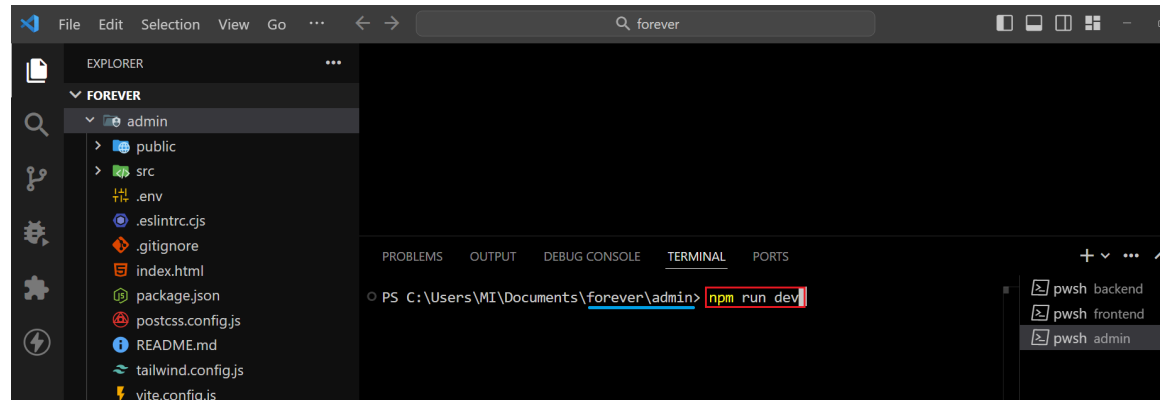
1. Right Click on 'frontend' folder > Select "Open In Integrated Terminal"
2. Type "**npm install**" and press Enter and Wait for Installation to be completed (requires Internet)
3. After that type "**npm run dev**" in terminal



4. Now you will see the '**http://localhost:5173**' link in that terminal. Open that link in the browser.

## ❖ Steps To Run Admin Panel of The Project

1. Right Click on 'admin' folder > Select "Open In Integrated Terminal"
2. Type "**npm install**" and press Enter and Wait for Installation to be completed (requires Internet)
3. After that type "**npm run dev**" in terminal



4. Now you will see the '**http://localhost:5174**' link in that terminal. Open that link in the browser.

If you still face any issue then can contact us on <https://instagram.com/greatstackdev>

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