

How to Setup & Run this Project

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

OR

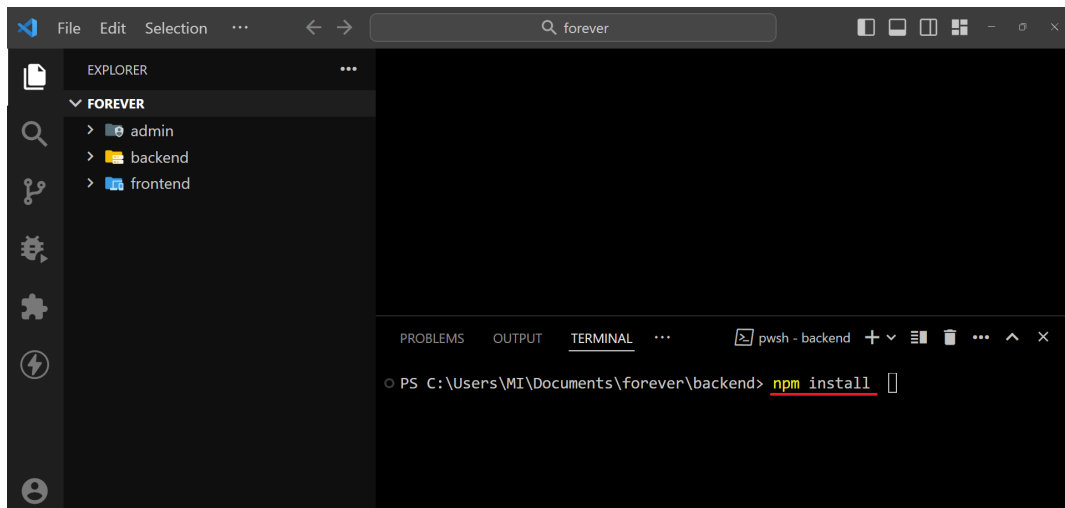
❖ Install NodeJs (Ignore If Already Installed)

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

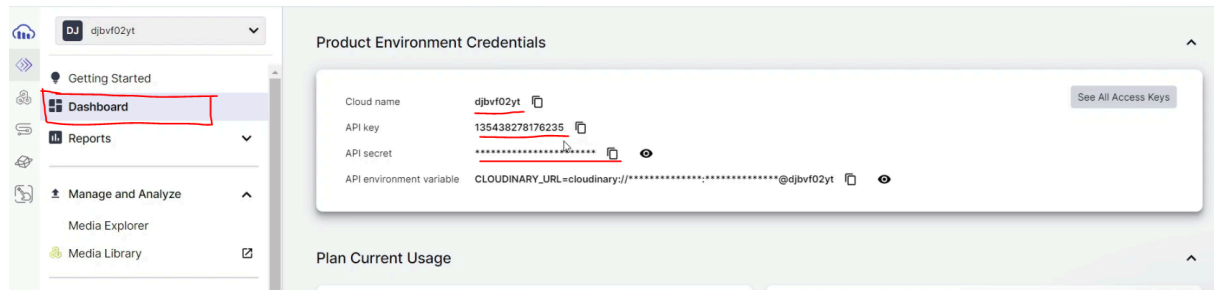
1. Open Project Folder In VS Code
2. Open Integrated Terminal
 - Right Click on 'backend' > Select "Open In Integrated Terminal"
3. Type "**npm install**" and press Enter and Wait for Installation to be completed (requires Internet)
- 4.



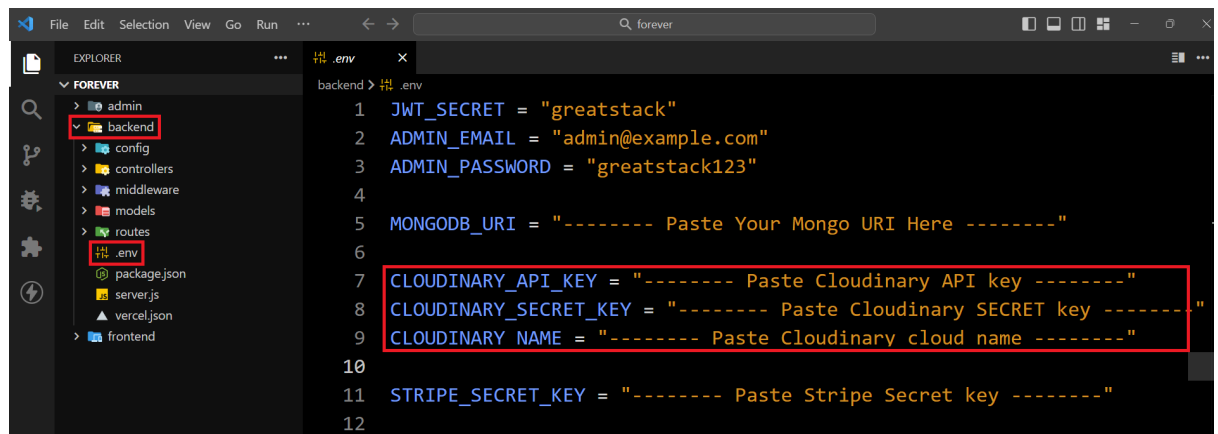
5. Setup Cloudinary for file storage.

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

The go to Dashboard

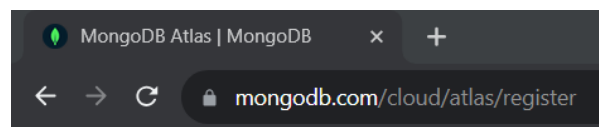


Copy and paste the Cloud Name, API Key, And Secret Key in the [backend / .env file](#):



6. Setup The MongoDB


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



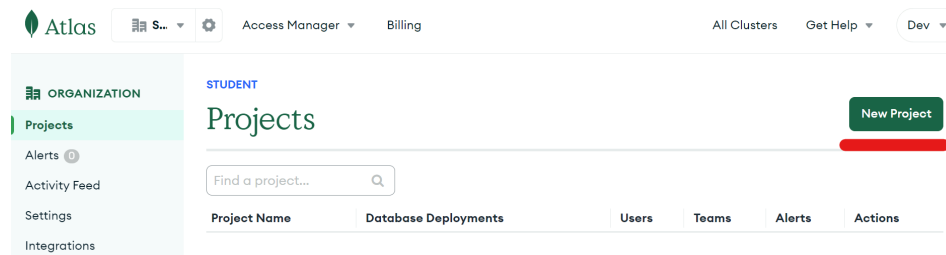
b. After that Sign Up on the website.

Sign up

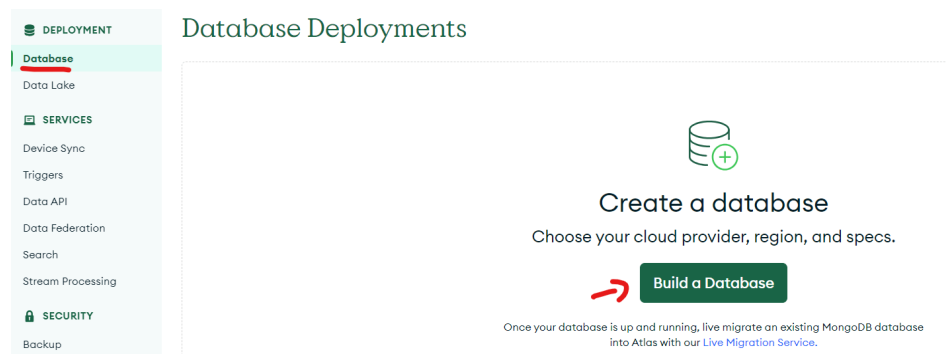
See what Atlas is capable of for free

 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

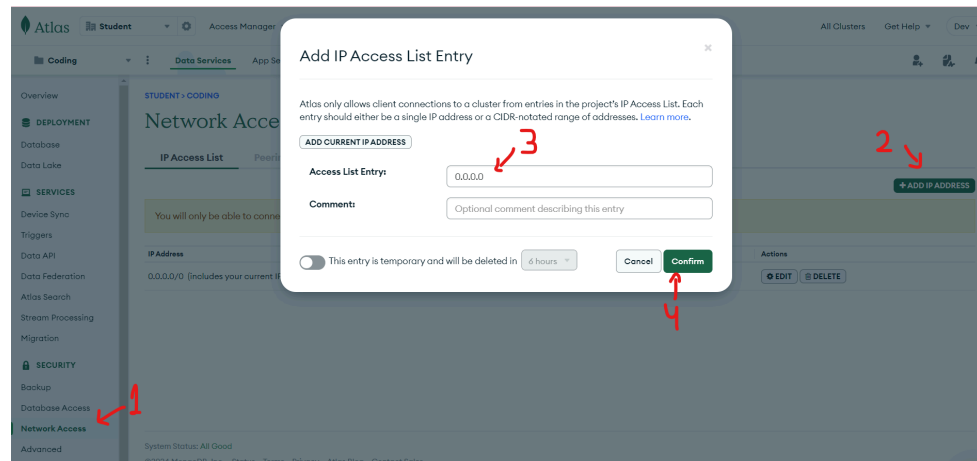
Create User

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

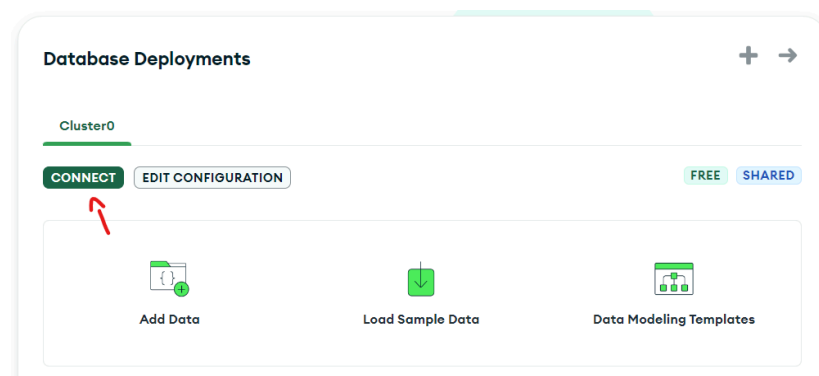
g. Now Click on Finish & Close

Finish and Close

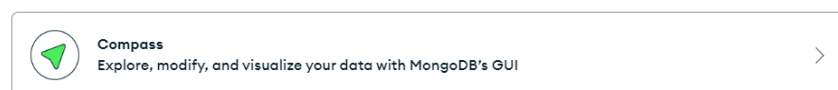
h. Whitelist IP 0.0.0.0 & Click on Add Entry



i. Now Click on Connect



j. Now Select Compass Option



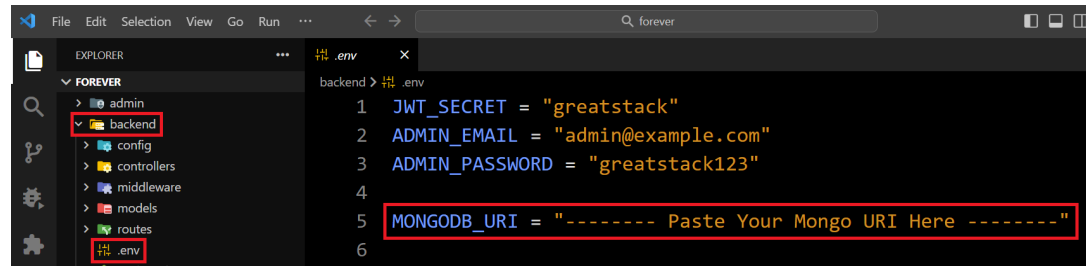
k. And Copy the Connection String

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.



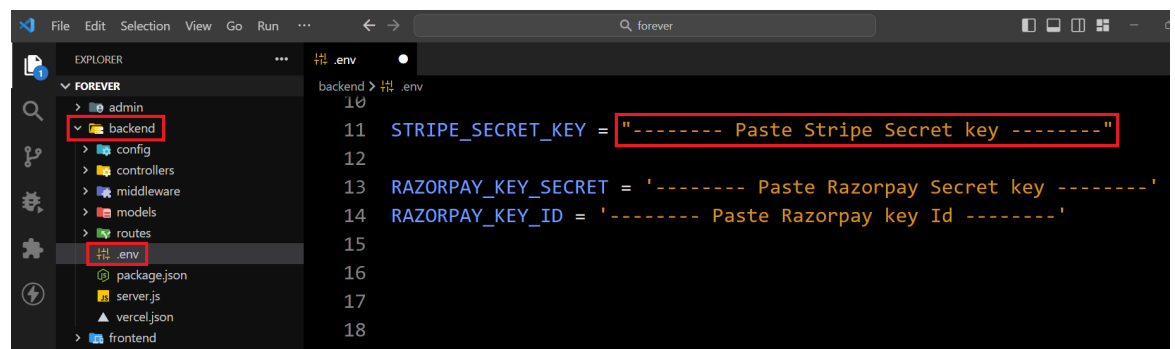
The screenshot shows the VS Code interface with the Explorer on the left and the Editor on the right. The Explorer shows a project structure with a 'FOREVER' folder containing 'admin', 'backend', 'config', 'controllers', 'middleware', 'models', 'routes', and '.env'. The 'backend' folder is selected. 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

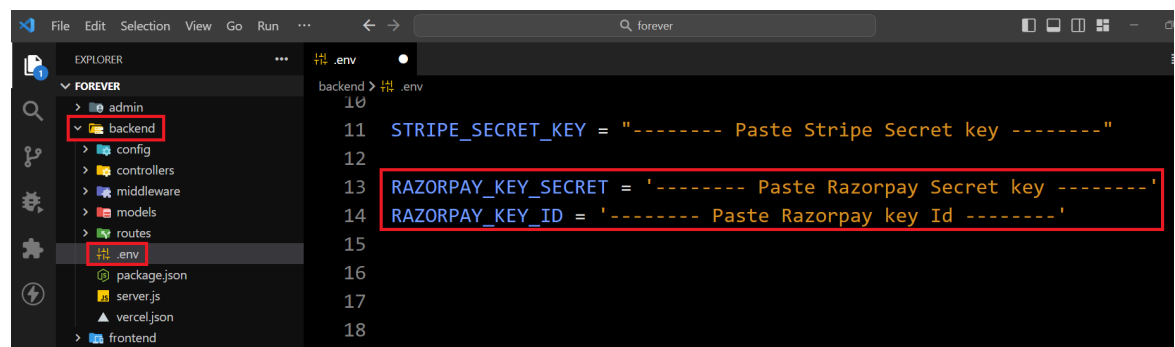


The screenshot shows the VS Code interface with the Explorer on the left and the Editor on the right. The Explorer shows a project structure with a 'FOREVER' folder containing 'admin', 'backend', 'config', 'controllers', 'middleware', 'models', 'routes', '.env', 'package.json', 'server.js', 'vercel.json', and 'frontend'. The 'backend' folder 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) -

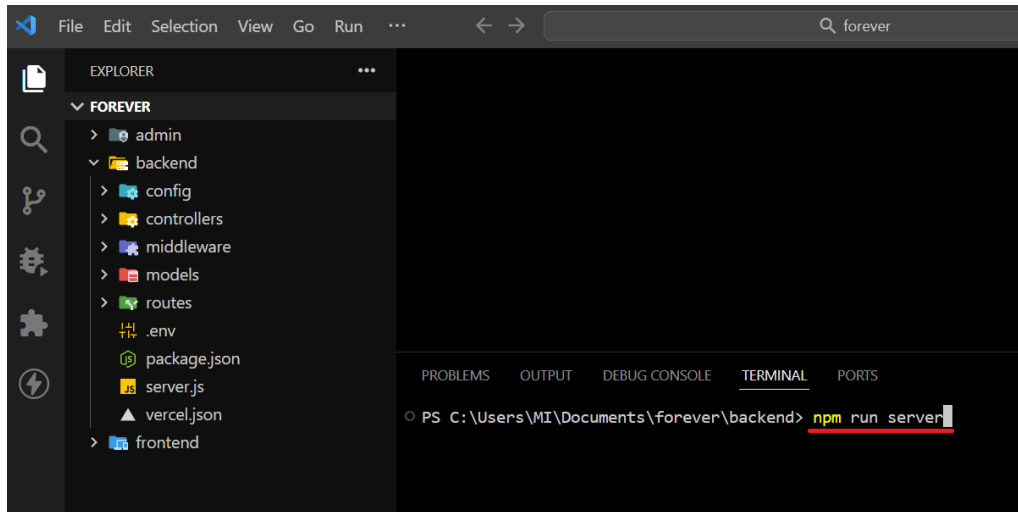
- create a razorpay account from [here](#)
- After creating account get the **Razorpay Secret Key & Razorpay Key ID** from dashboard
- Paste the Secret Key in **backend / .env** file and save file



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 a 'FOREVER' folder containing 'admin', 'backend', 'config', 'controllers', 'middleware', 'models', 'routes', '.env', 'package.json', 'server.js', 'vercel.json', and 'frontend'. The 'backend' folder 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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15
16
17
18
```

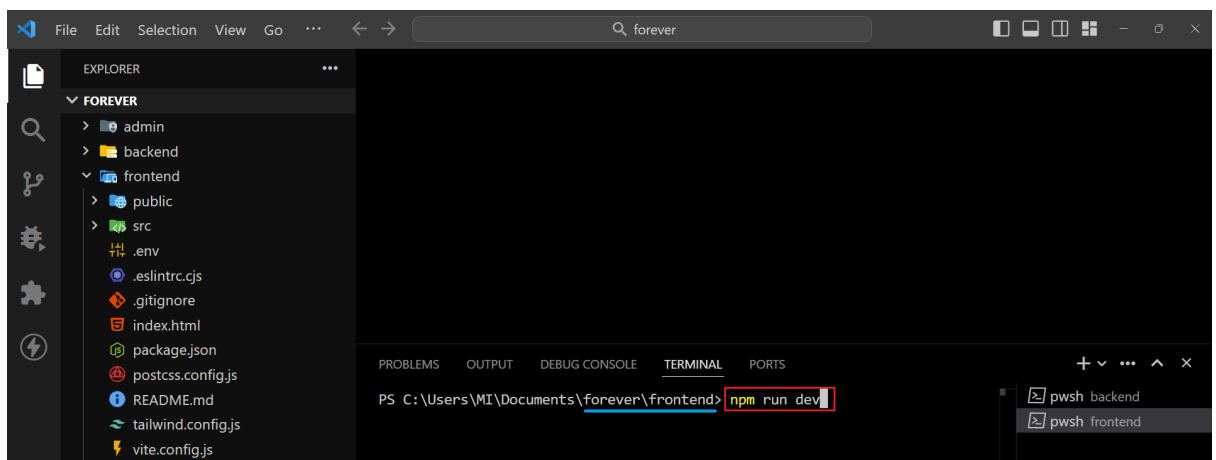
9. To Run Backend use **npm run server** command in Integrated Terminal



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

❖ Steps To Run Frontend of The Project

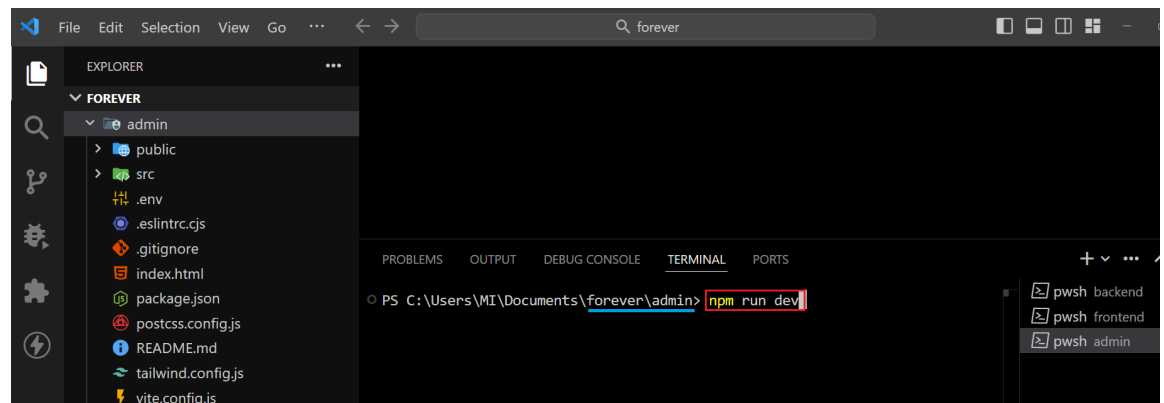
1. Right Click on 'frontend' folder > Select "Open In Integrated Terminal"
2. Type "**npm install**" and press Enter and Wait for Installation to be completed (requires Internet)
3. After that type "**npm run dev**" in terminal



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.
