

# Steps to follow

Hey! Thanks for purchasing the source code. There are a few things you need to do first. If you skip these steps, you won't be able to see the site in action. Let's get started!

Node Version Used: **node v23.10.0 (npm v11.2.0)**

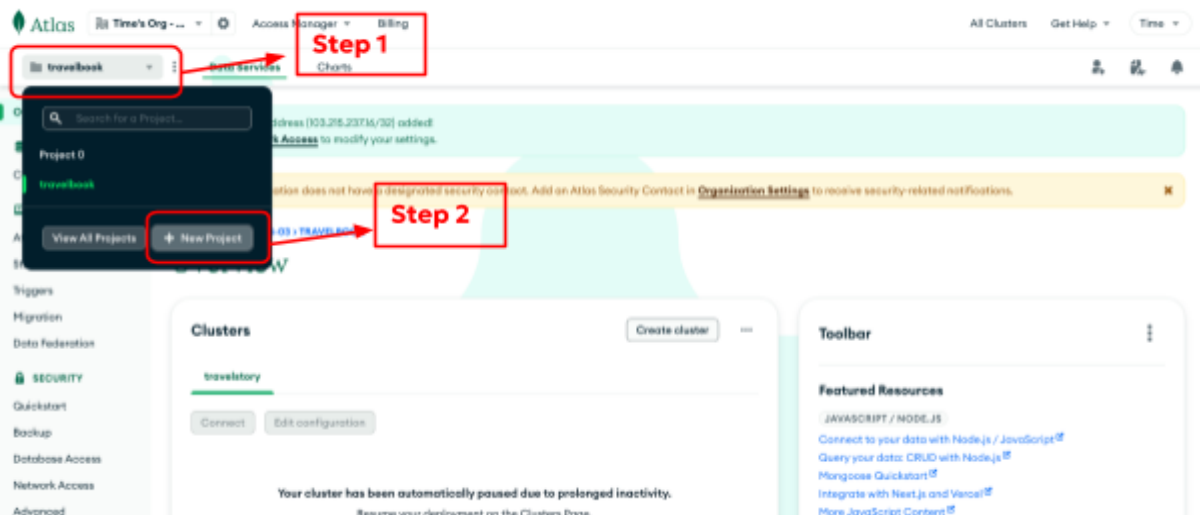
## Running the Task Manager App Project

Backend (Express.js)

1. Navigate to the `backend` folder in your terminal.
2. Run the following command to install the required dependencies:

```
npm install
```

3. Once the dependencies are installed, Let's connect MongoDB
4. Go to <https://www.mongodb.com/>
5. Login or Create an Account
6. Now let's create a project by clicking on the “New Project” button



7. Now, Enter the project name and Click “Next”

Atlas Time's Org - ... Access Manager Billing All Clusters Get Help Time

ORGANIZATION

Projects

Alerts Activity Feed Settings Integrations Access Manager Billing Support Live Migration

TIME'S ORG - 2024-04-03 > PROJECTS

## Create a Project

Name Your Project Add Members

**Name Your Project**  
Project names have to be unique within the organization (and other restrictions).

Poking App

**Add Tags (Optional)**  
Use tags to efficiently label and categorize your projects. A project can have a maximum of 50 tags. You can modify tags for the project later. [Learn more](#)

Key	Value	Actions
Select a key or enter your own	Select a value or enter your own	
+ Add tag		
		0 TAGS

Cancel Next

8. Add Member if needed. Then click on “Create Project”

Atlas Time's Org - ... Access Manager Billing All Clusters Get Help Time

ORGANIZATION

Projects

Alerts Activity Feed Settings Integrations Access Manager Billing Support Live Migration

TIME'S ORG - 2024-04-03 > PROJECTS

## Create a Project

✓ Name Your Project Add Members

**Add Members and Set Permissions**

Invite new or existing users via email address...

Give your members access permissions below.

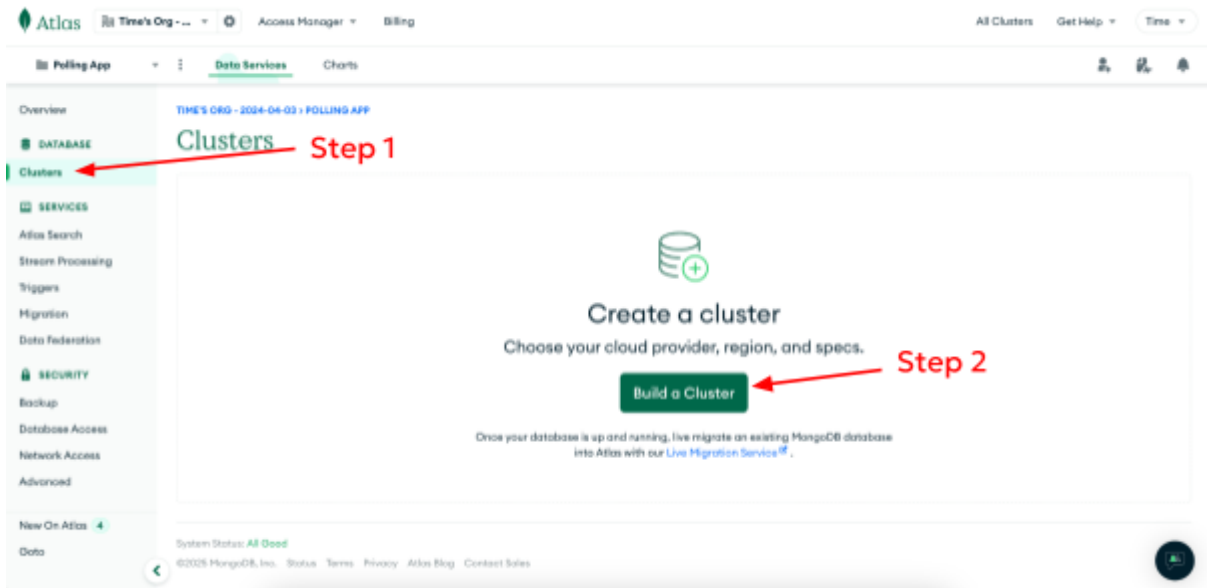
it.com (you) Project Owner

Back Cancel Create Project

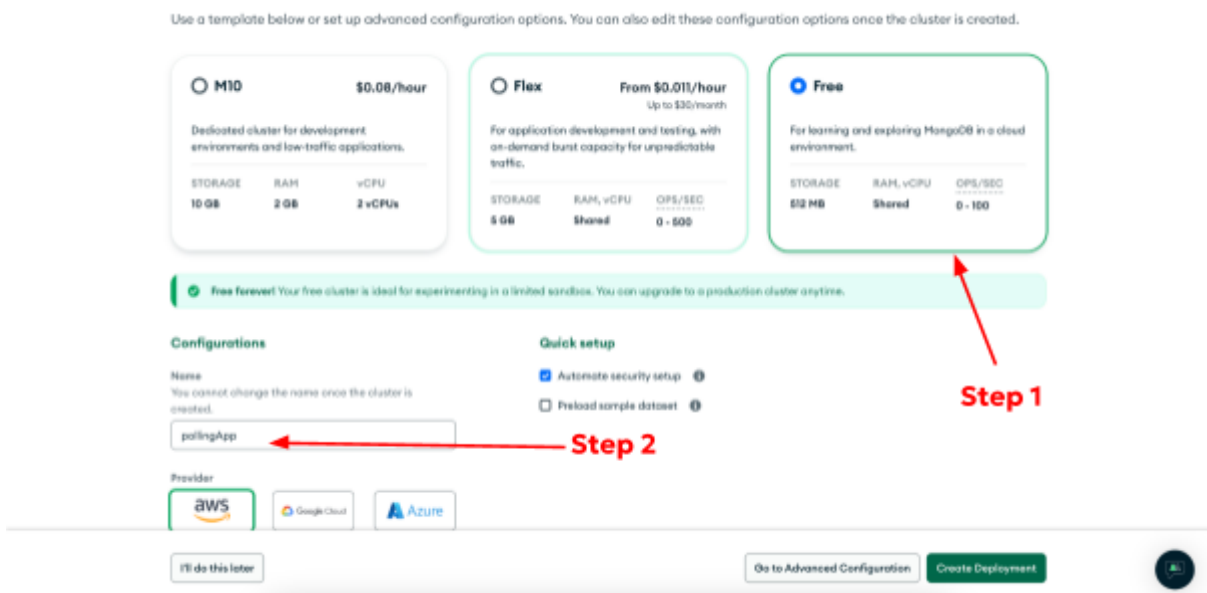
**Project Member Permissions**

- Project Owner**  
Has full administration access
- Project Cluster Manager**  
Can update clusters
- Project Data Access Admin**  
Can access and modify a cluster's data and indexes, and kill operations
- Project Data Access Read/Write**  
Can access a cluster's data and indexes, and modify data
- Project Data Access Read Only**  
Can access a cluster's data and indexes
- Project Search Index Editor**  
Can view and manage a cluster's search indexes
- Project Read Only**

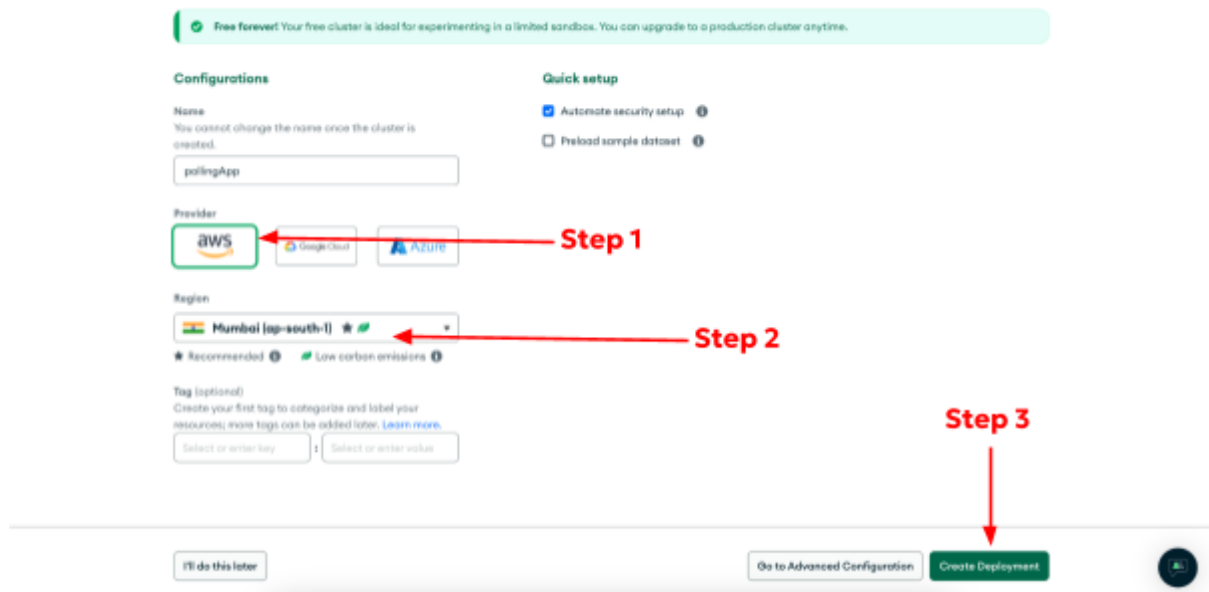
9. Now click on “Clusters” option in the side menu and click on “Build a Cluster” button



10. Now, select free tier and give a cluster name

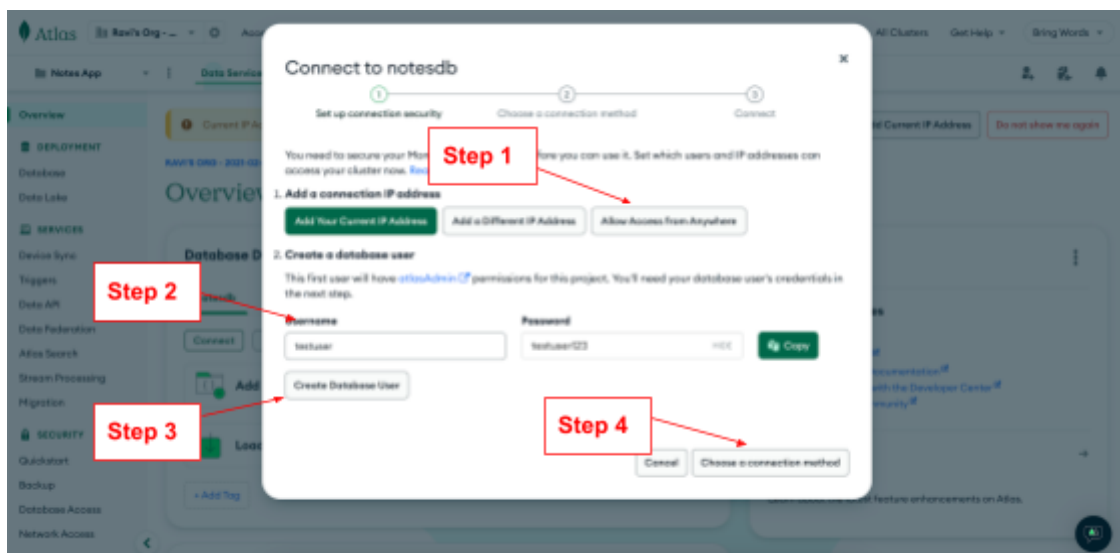


11. Select a server provider, select a region that's near you, and click on "Create Deployment"

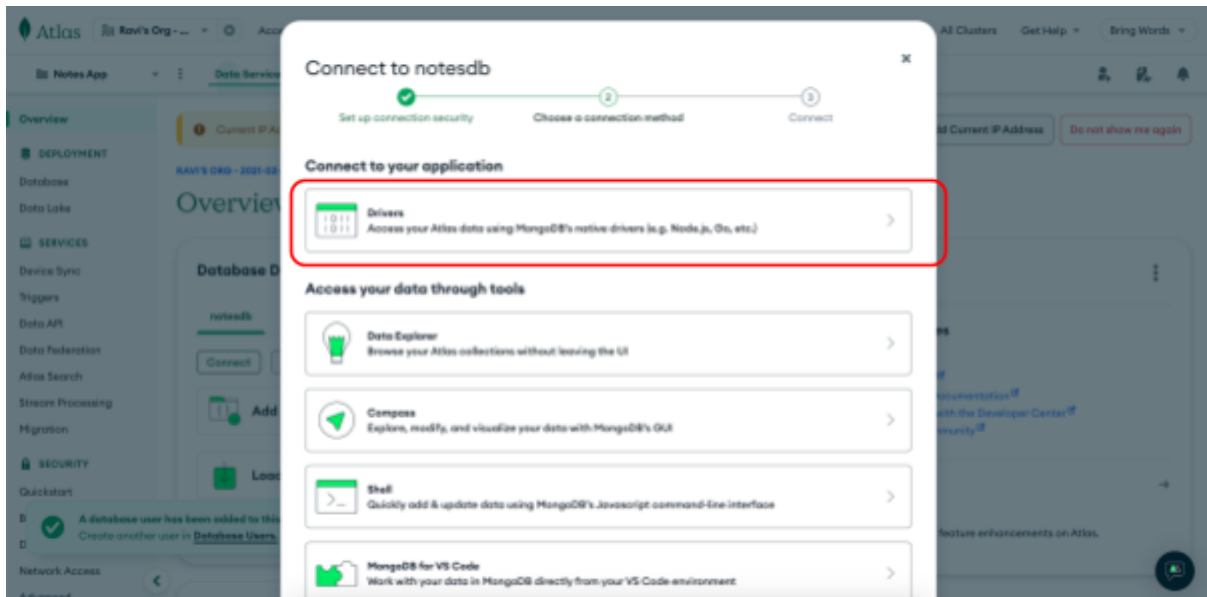


12. Now we will be directed to the connection steps page.

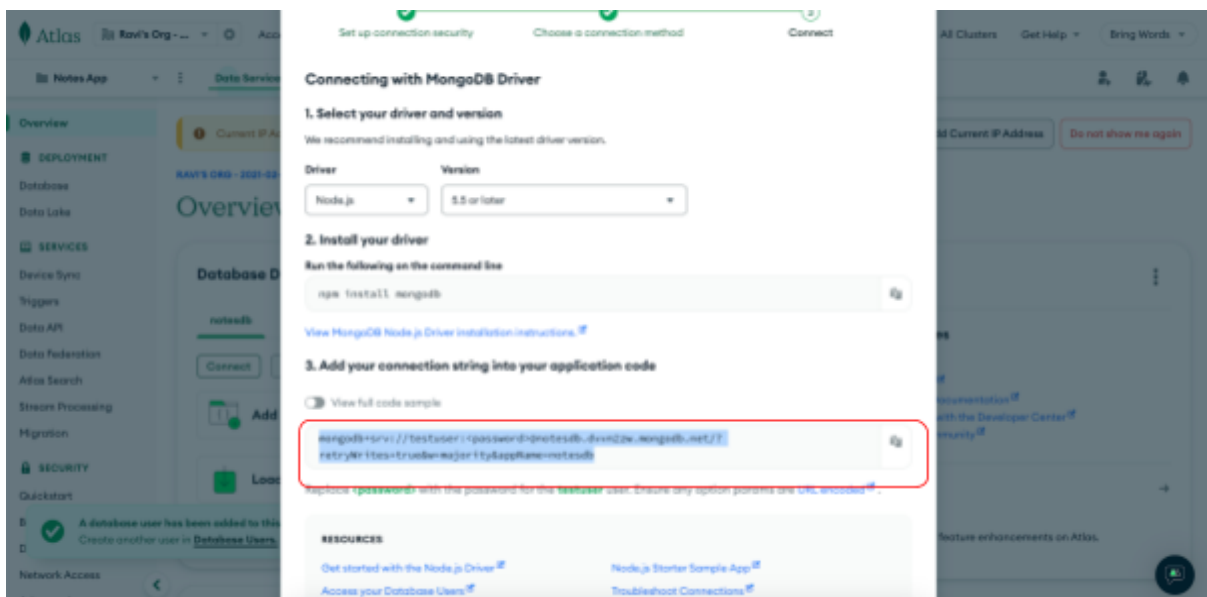
13. Here, we need to add an IP address for the connection. I usually select the 'Allow Access from Where' option and create a database user. And click on the "Choose a connection method" button



14. In the Next step, Select the 'Drivers' option to access the atlas database using our Node.js project

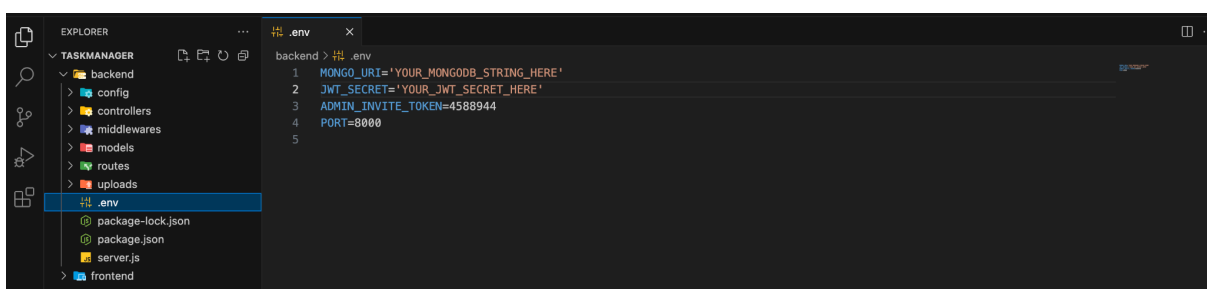


15. Now, copy the connection string

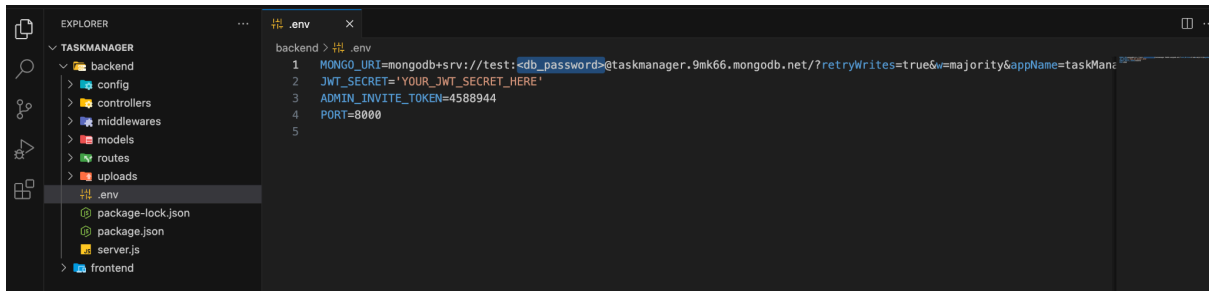


16. Paste the connection string inside the `.env` file:

Before:



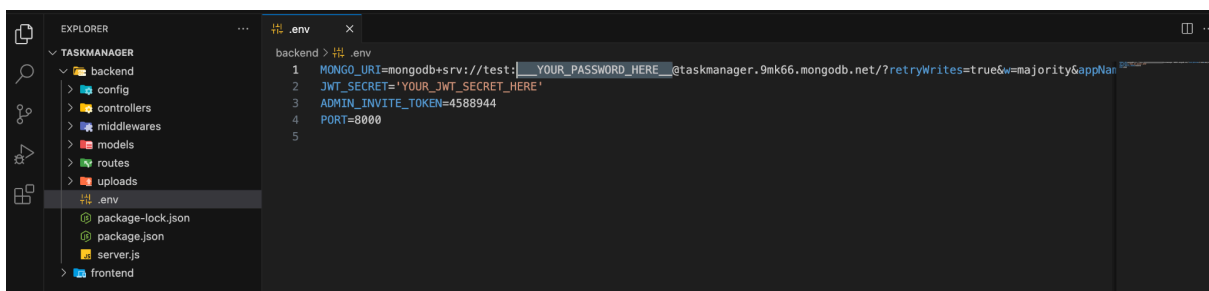
After:



The screenshot shows the VS Code Explorer on the left with the 'TASKMANAGER' project expanded. The 'backend' folder is selected, and the '.env' file is open in the editor. The file contains the following content:

```
1 MONGO_URI=mongodb+srv://test:<db_password>@taskmanager.9mk66.mongodb.net/?retryWrites=true&w=majority&appName=taskManag
2 JWT_SECRET='YOUR_JWT_SECRET_HERE'
3 ADMIN_INVITE_TOKEN=4588944
4 PORT=8000
5
```

17. Now replace ``<password>`` in the connection string with the user's password that we have created in Step 13

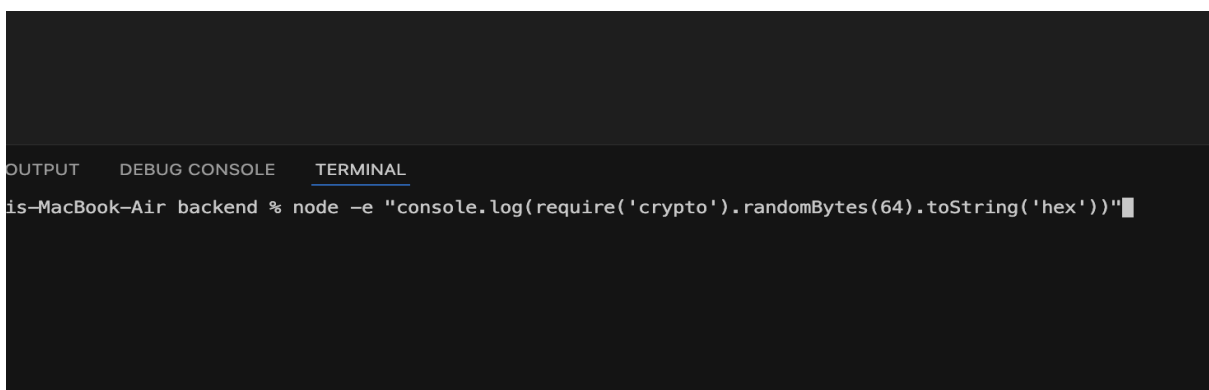


The screenshot shows the VS Code Explorer on the left with the 'TASKMANAGER' project expanded. The 'backend' folder is selected, and the '.env' file is open in the editor. The file contains the following content:

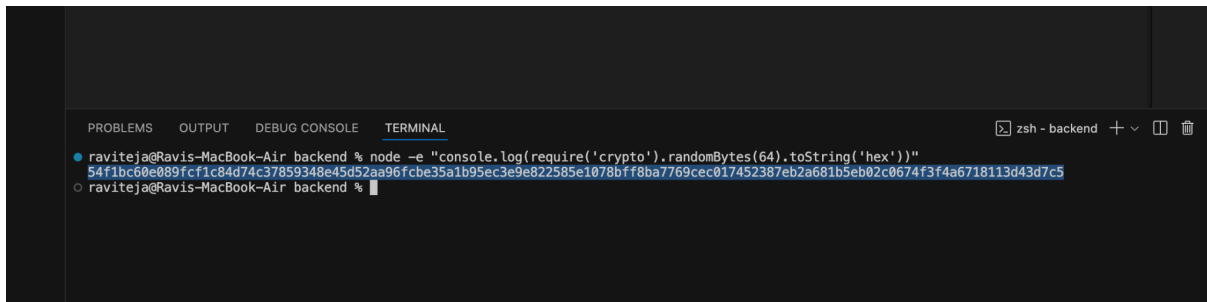
```
1 MONGO_URI=mongodb+srv://test:YOUR_PASSWORD_HERE@taskmanager.9mk66.mongodb.net/?retryWrites=true&w=majority&appName=taskManag
2 JWT_SECRET='YOUR_JWT_SECRET_HERE'
3 ADMIN_INVITE_TOKEN=4588944
4 PORT=8000
5
```

18. After updating the connection string, let's generate our JWT\_SECRET. To do so, you can run the following command in the terminal.

**`node -e "console.log(require('crypto').randomBytes(64).toString('hex'))"`**

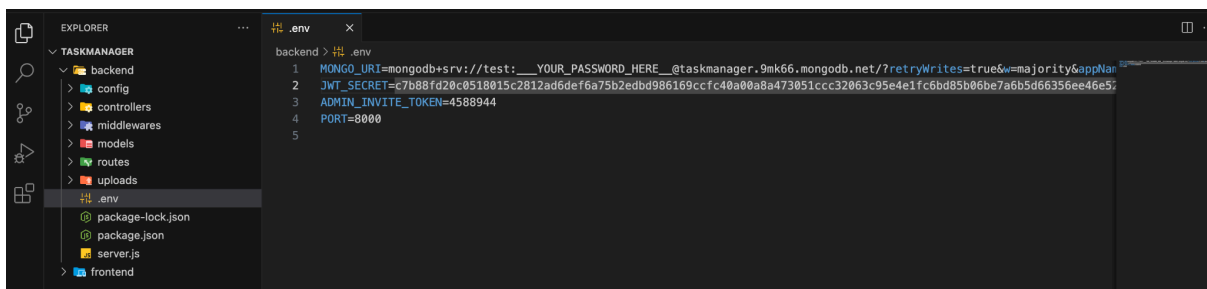


The screenshot shows a terminal window with the command `node -e "console.log(require('crypto').randomBytes(64).toString('hex'))"` executed. The output is a long string of hexadecimal characters, representing the generated JWT\_SECRET.



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL zsh - backend + v [ ] [ ]
raviteja@Ravis-MacBook-Air backend % node -e "console.log(require('crypto').randomBytes(64).toString('hex'))"
54f1bc60e089fc1c84d74c37859348e45d52aa96fcb35a1b95ec3e9e822585e1078bffa7769cec017452387eb2a681b5eb02c0674f3f4a6718113d43d7c5
raviteja@Ravis-MacBook-Air backend %
```

19. Now let's update the JWT\_SECRET



```
EXPLORER TASKMANAGER ... .env X
  backend
  config
  controllers
  middlewares
  models
  routes
  uploads
  .env
package-lock.json
package.json
server.js
frontend

backend > .env
1 MONGO_URI=mongodb+srv://test:____YOUR_PASSWORD_HERE____@taskmanager.9mk66.mongodb.net/?retryWrites=true&w=majority&appName=taskmanager
2 JWT_SECRET=67b88fd20c0518015c2812ad6def6a75b2edbd986169ccfc40a0a8a473051ccc32063c95e4e1fc6bd85b06be7a6b5d66356ee46e5;
3 ADMIN_INVITE_TOKEN=4588944
4 PORT=8000
5
```

That's it, we are done.

20. Now, start the server by running:

```
npm run dev
```

## Frontend

1. Navigate to the `frontend/Task-Manager` folder.
2. Run the following command to install the required dependencies:

```
npm install
```

3. After the installation is complete, start the React development server by running:

```
npm run dev
```

This will start the frontend server and open the app in your default web browser.