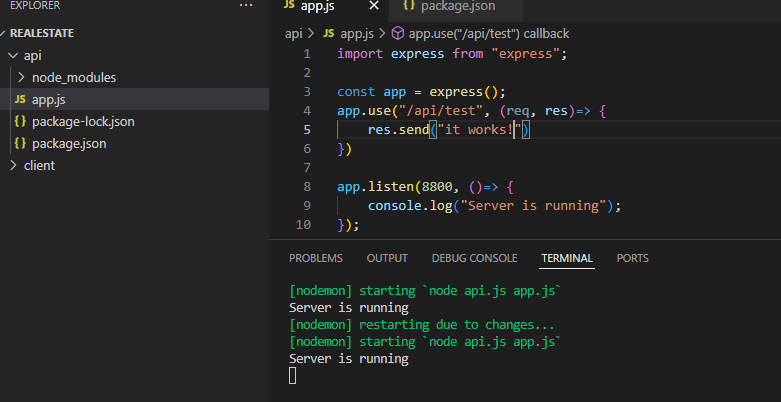
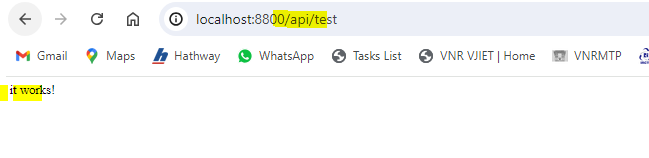
**Real Estate project**

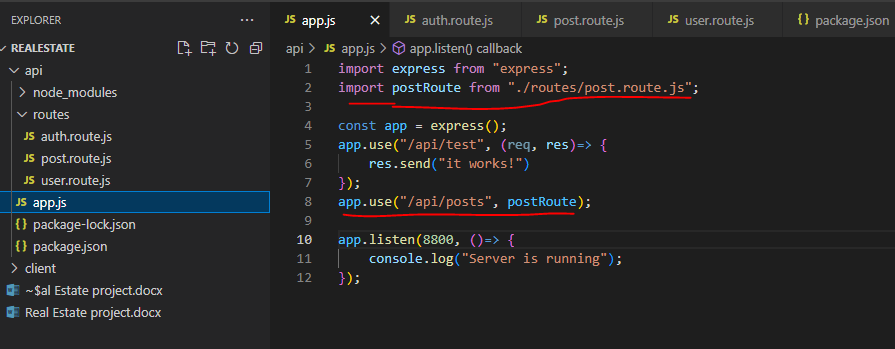
Create project folder and initiate app via express

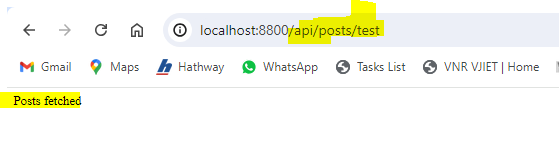


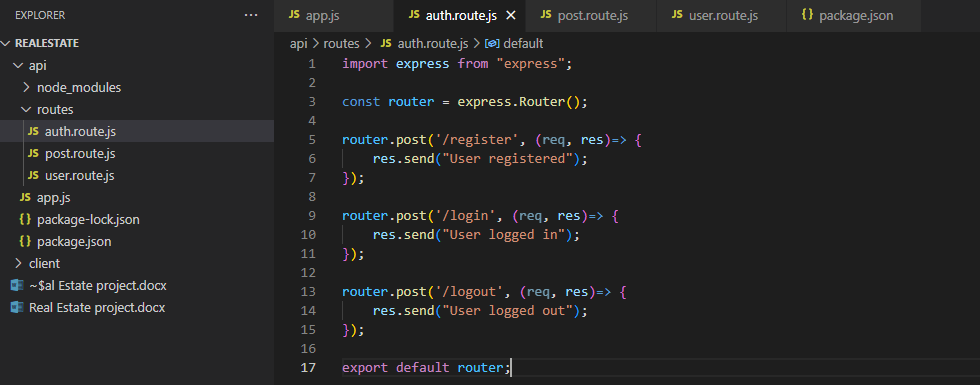


## **Test Routes**





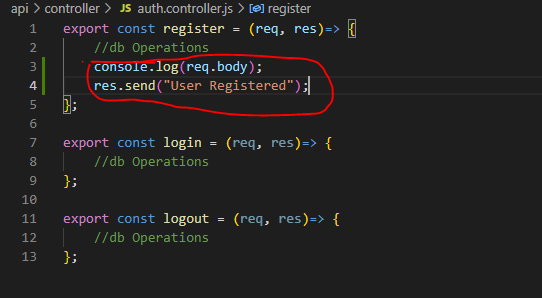


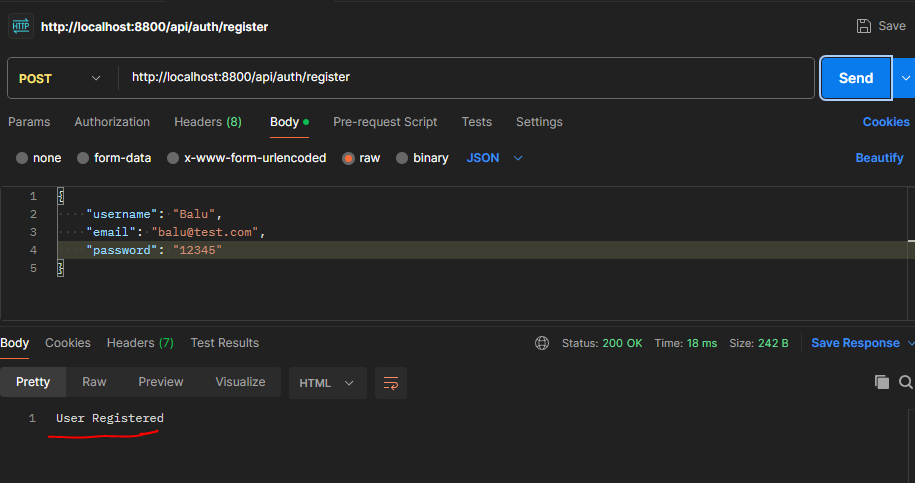


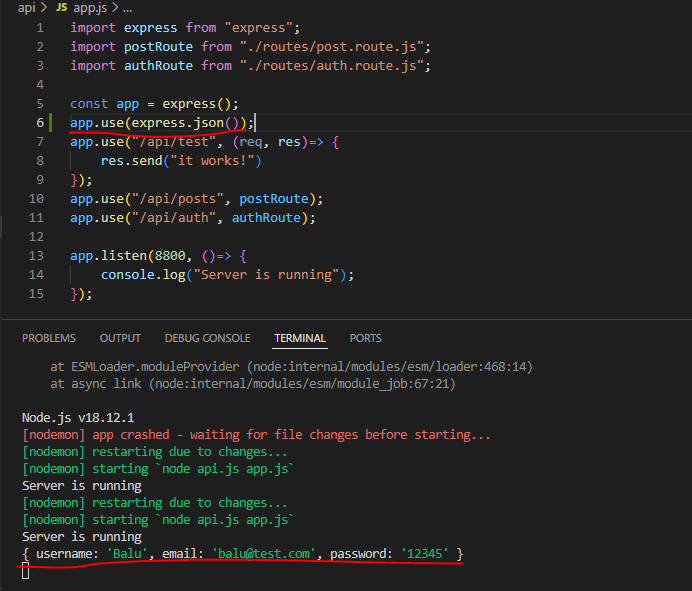




### **Register API test**

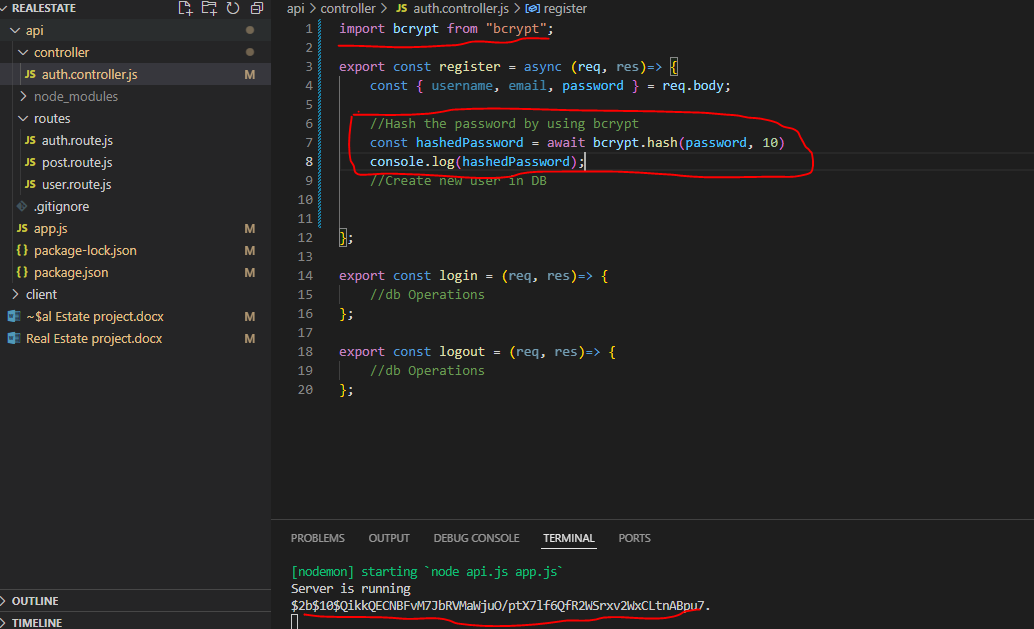






## **Bcrypt – Used for hashing passwords**

Hash the passwords using bcrypt => npm I bcrypt



## **Prisma**

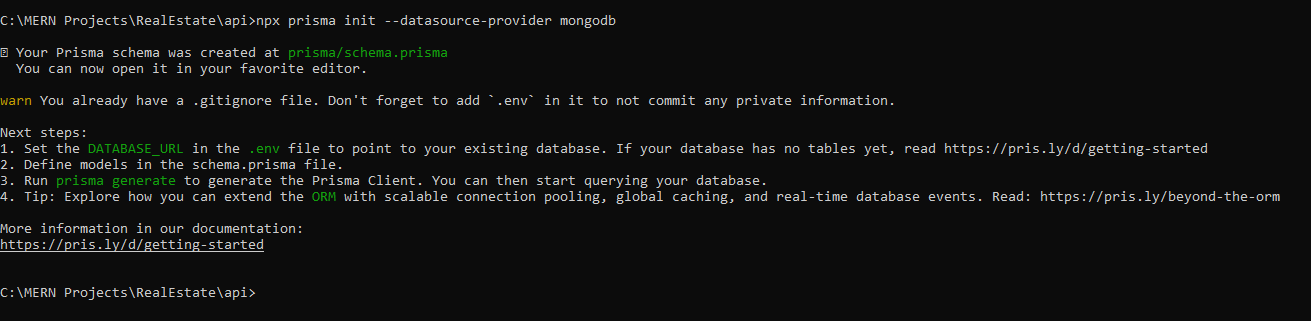
To store the user details to db we use prisma

Install => npm I prisma

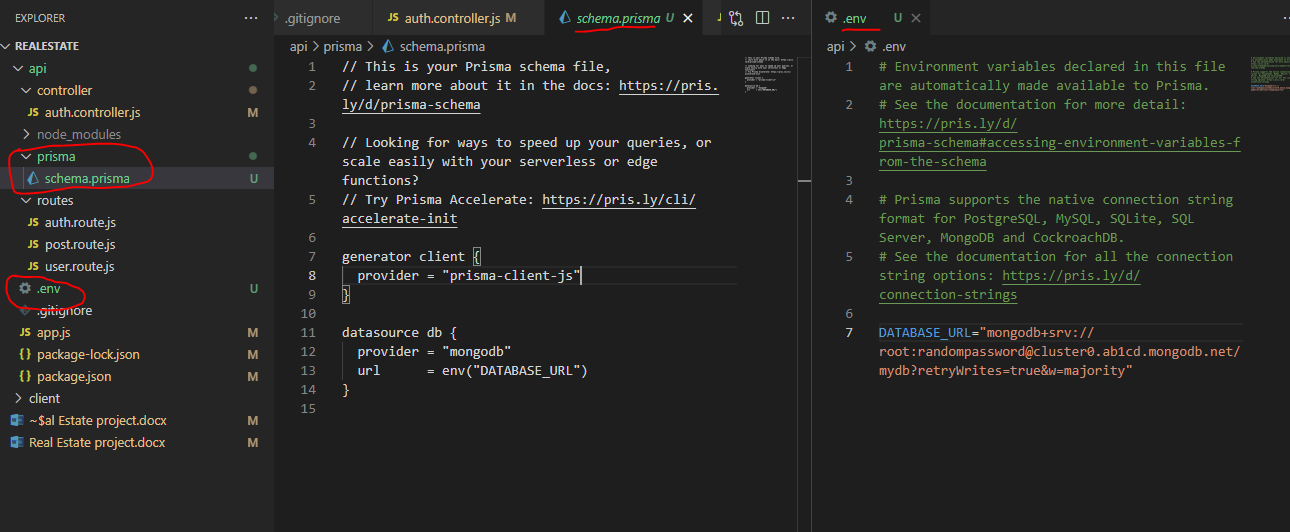
Follow <https://www.prisma.io/docs/getting-started/quickstart>

Now initialize prisma

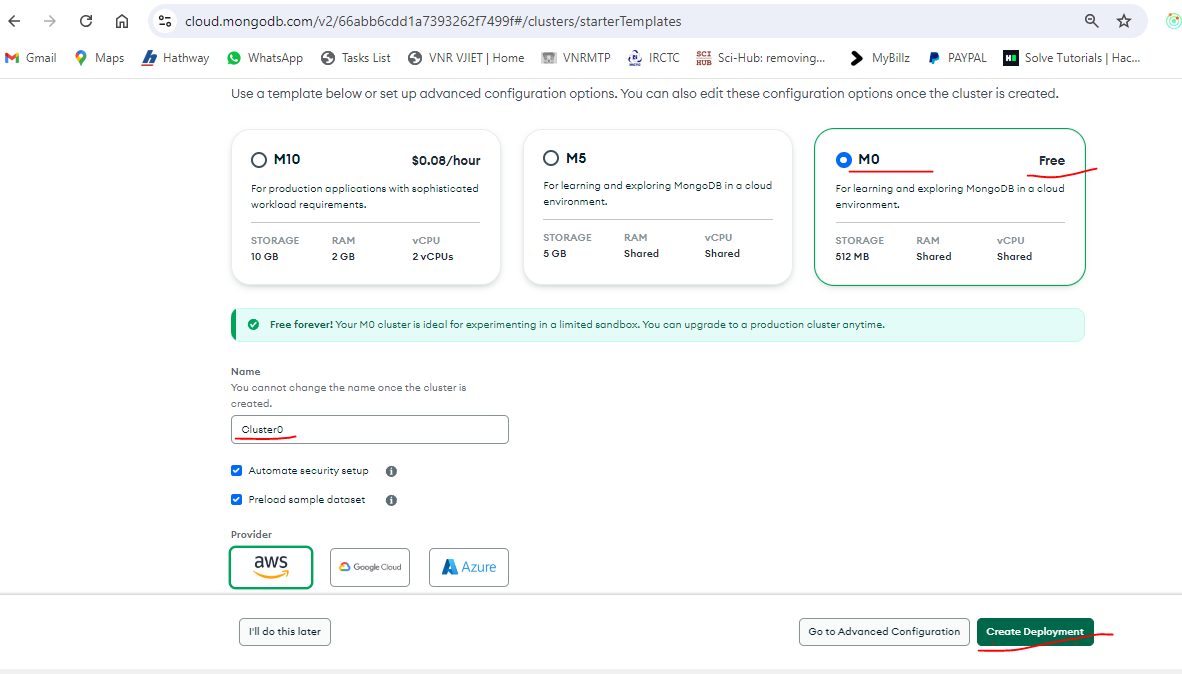
Run => npx prisma init --datasource-provider mongodb

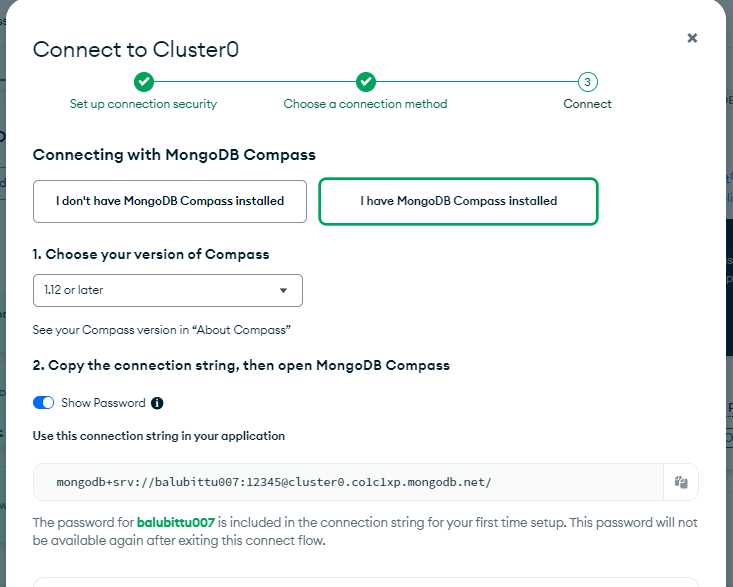


A new folder prisma is created also the env file is generated



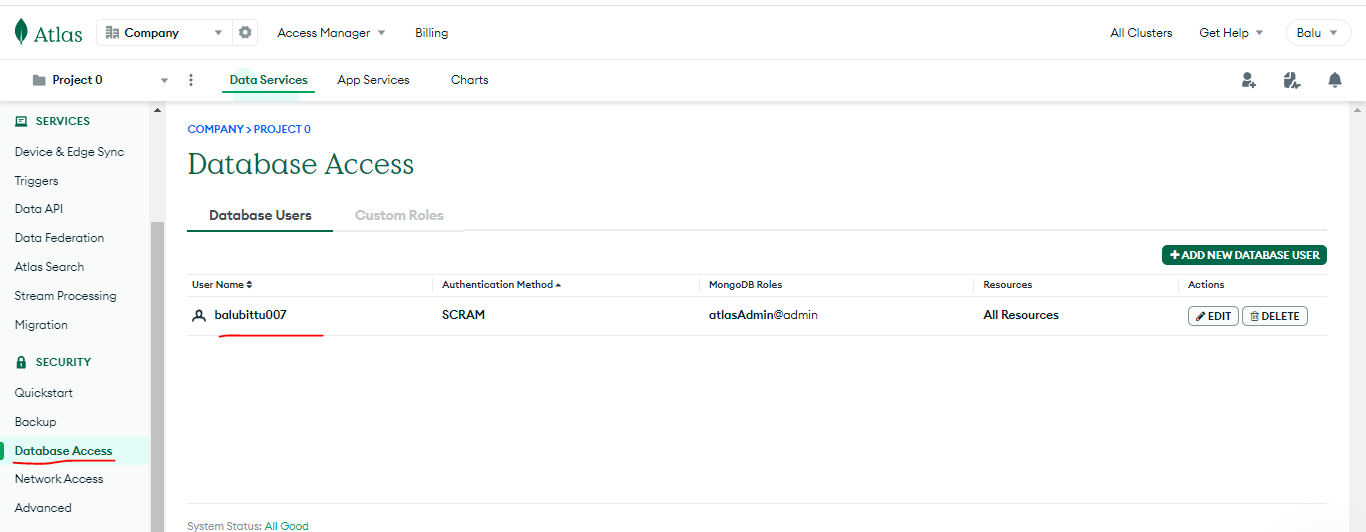
Create deployment in atlas



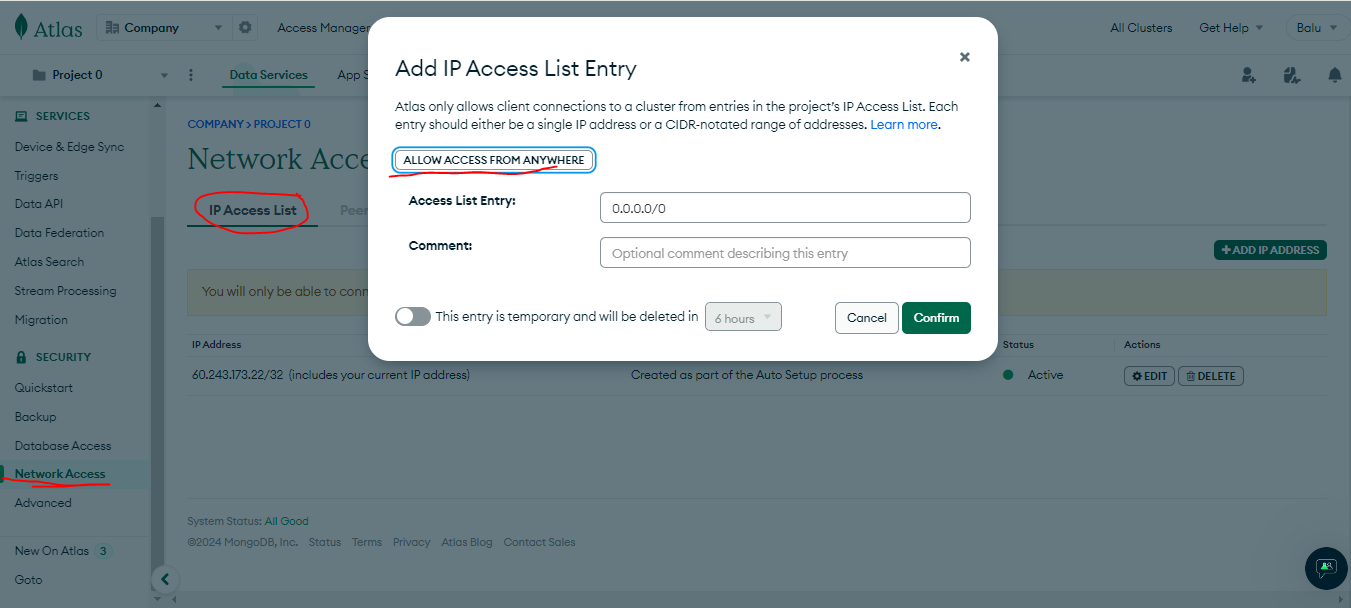


mongodb+srv://balubittu007:12345@cluster0.co1c1xp.mongodb.net/

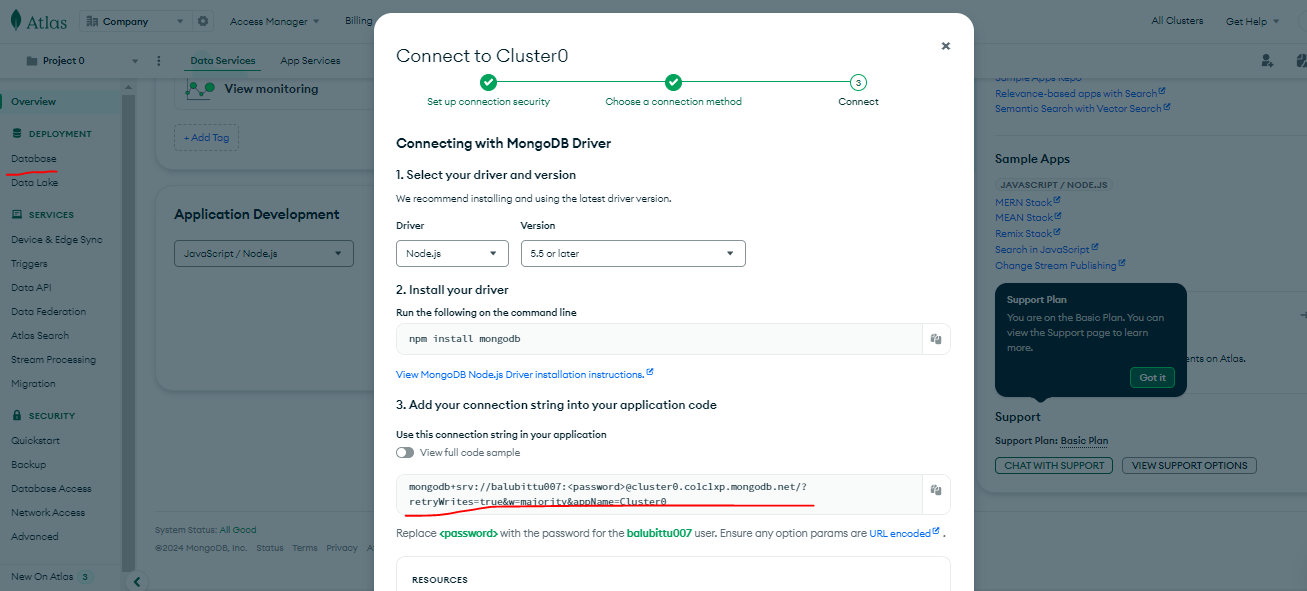
We can see the users in Database access

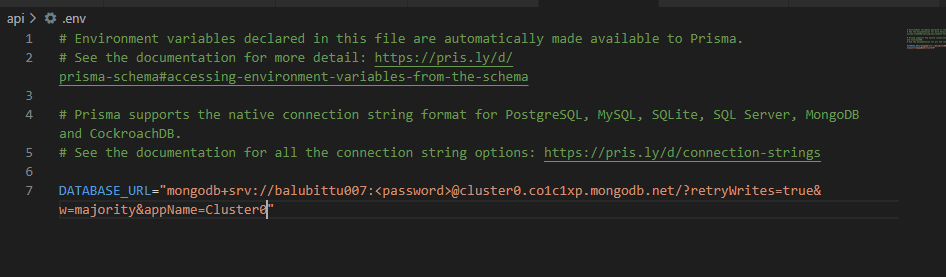


After deploying the app we need to enter server ip

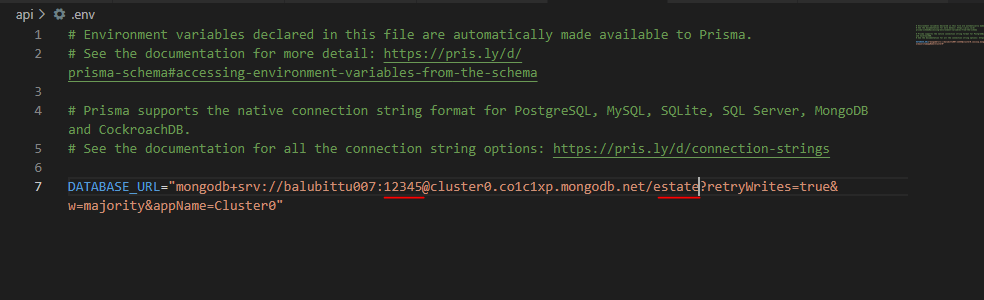


Get connection string from here



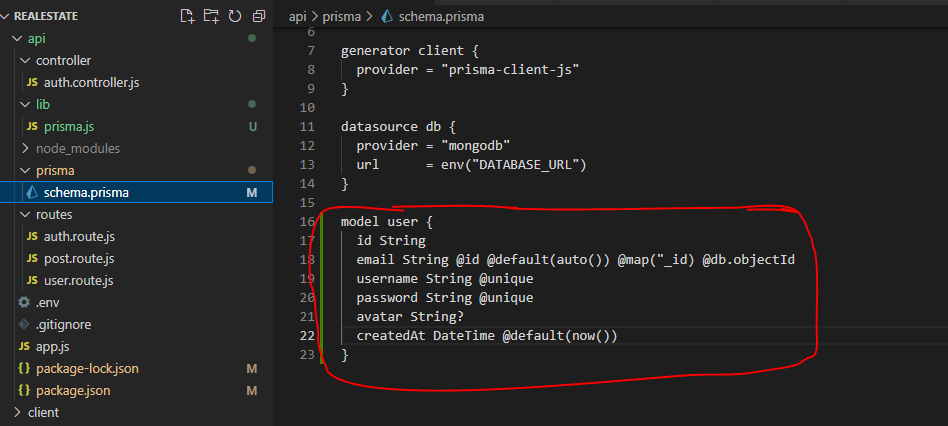


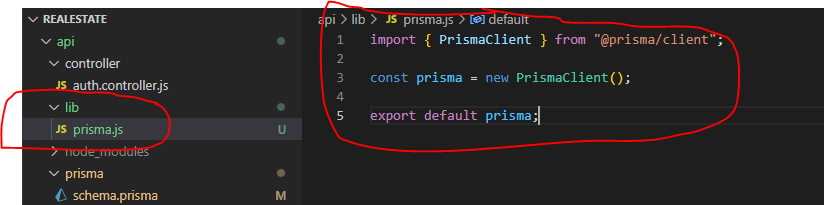
Update password and collection name in the url



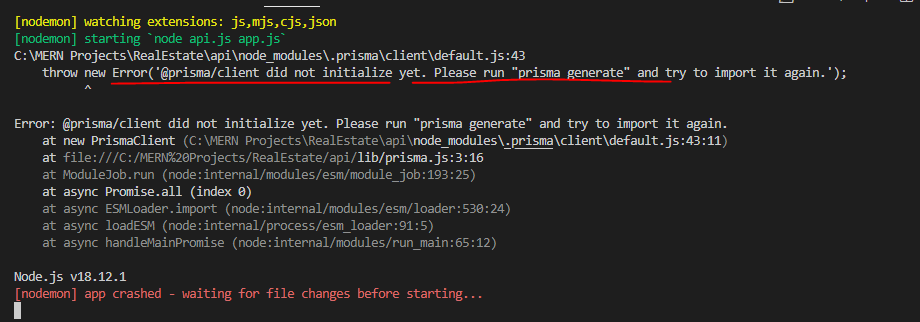
### **Creating user model:**

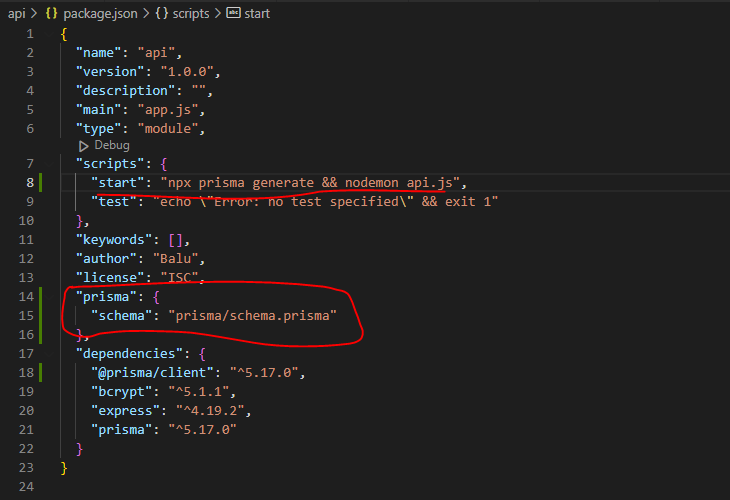
Run npm I @prisma/client





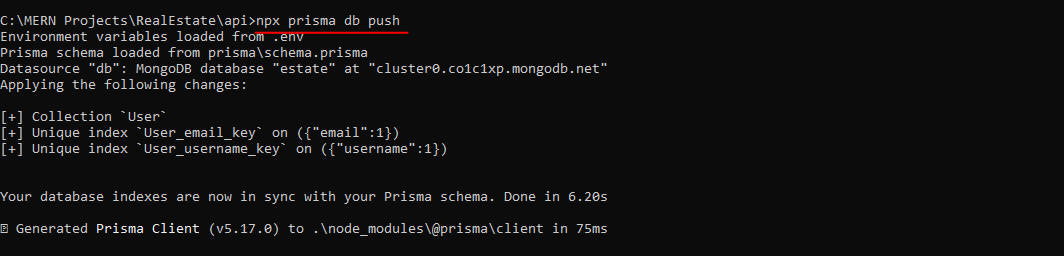
On running the server got the error below

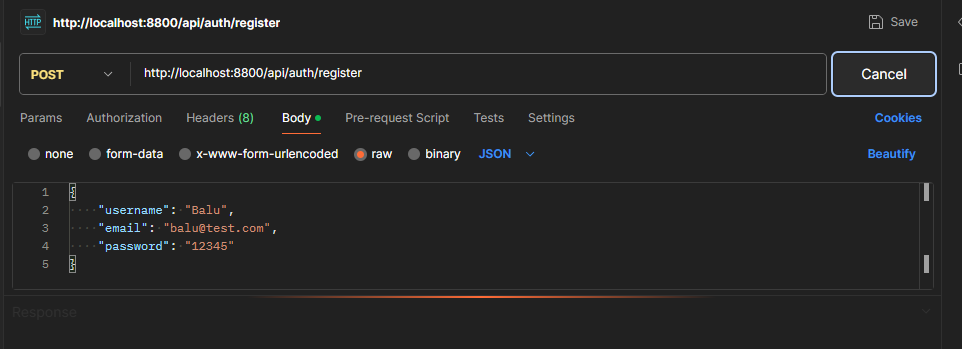


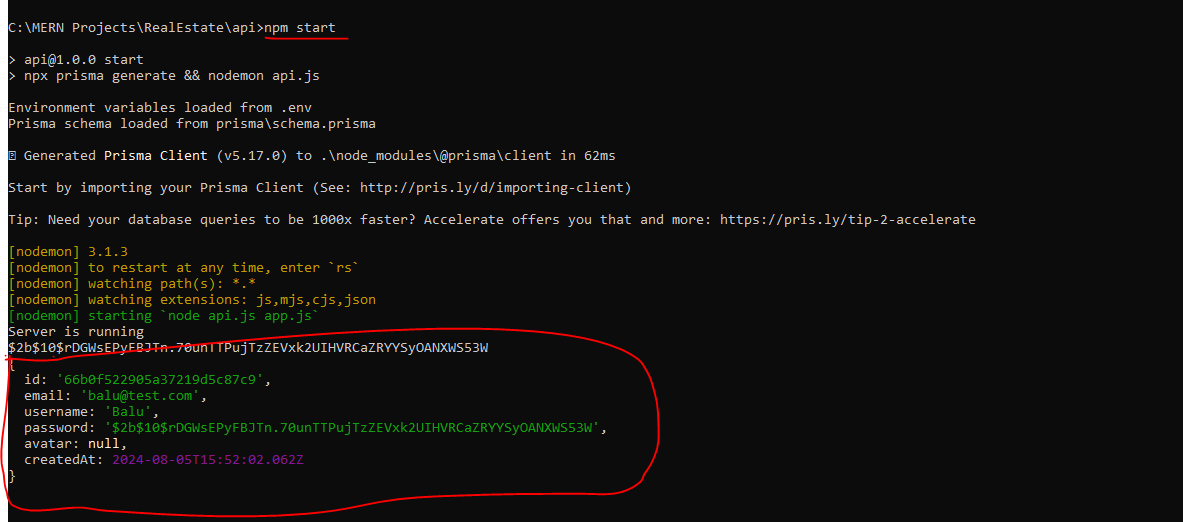




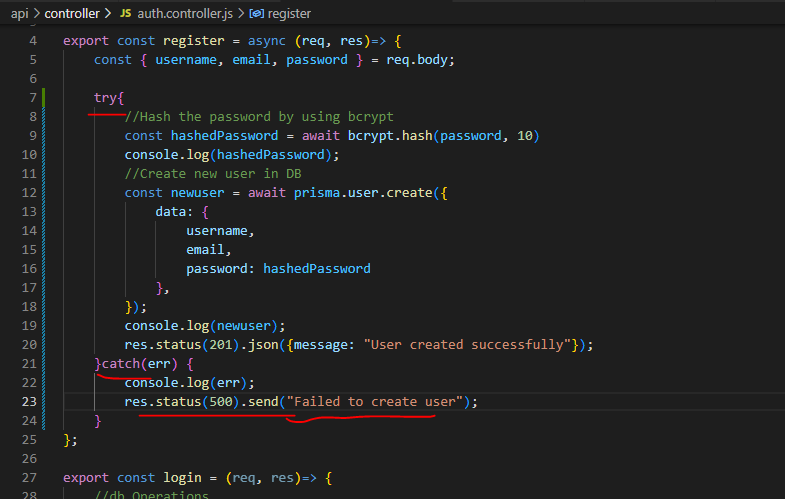
The error is caused due to not pushing changes on prisma schema to db.=> npx prisma db push



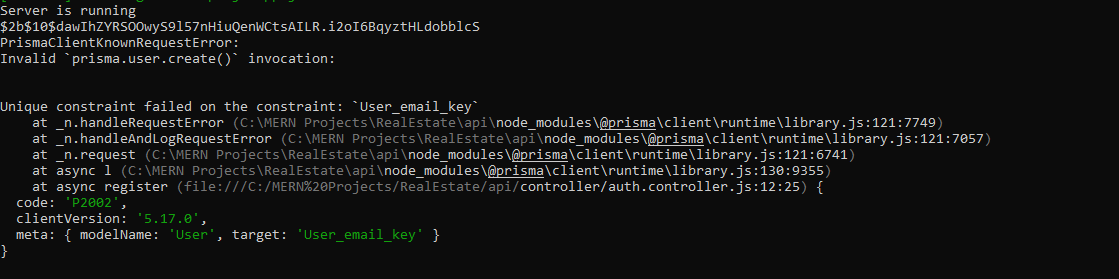
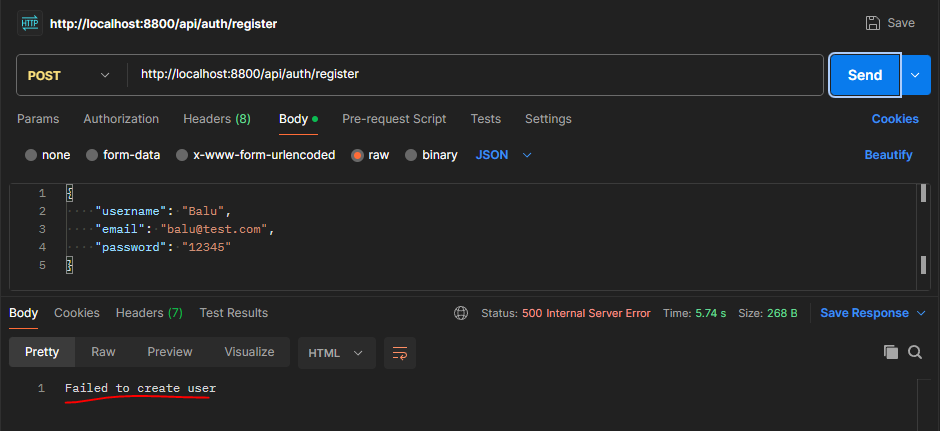




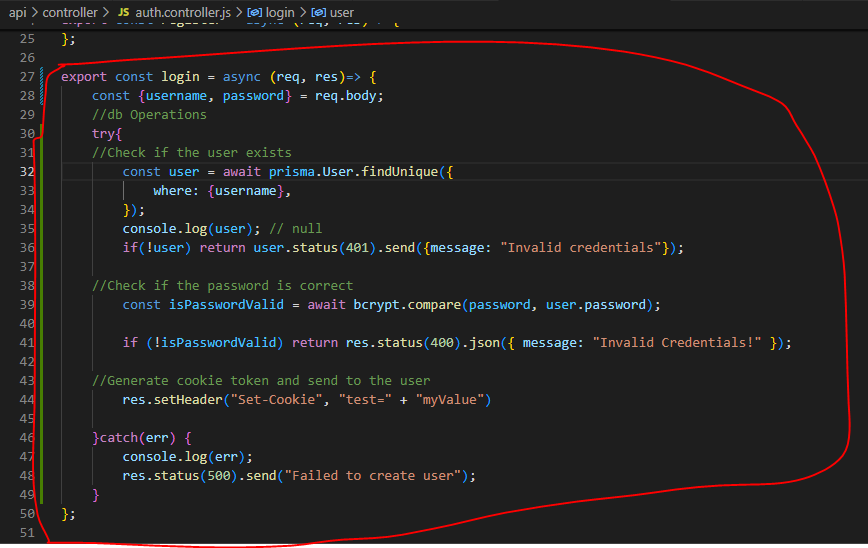
### **Register route:**

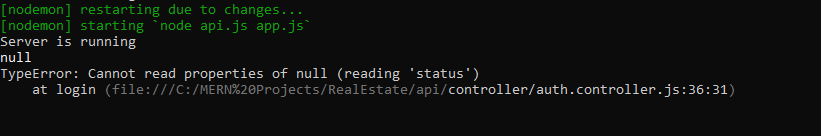


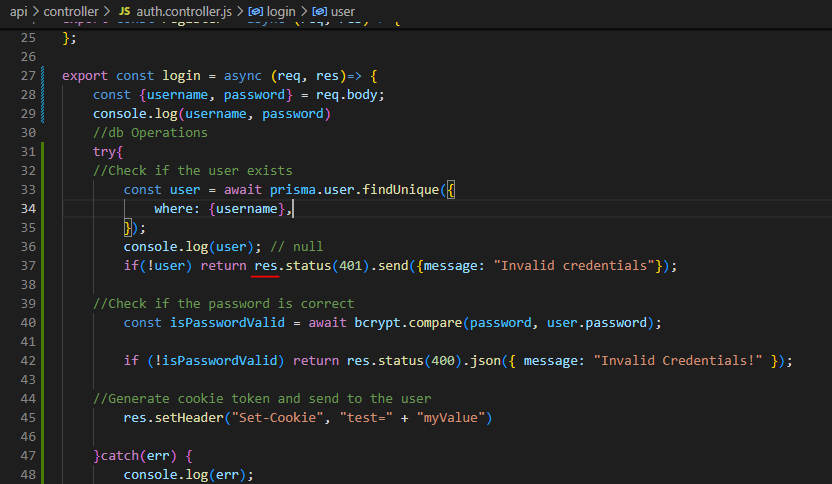
User creation failed due to non unique data sent via post request

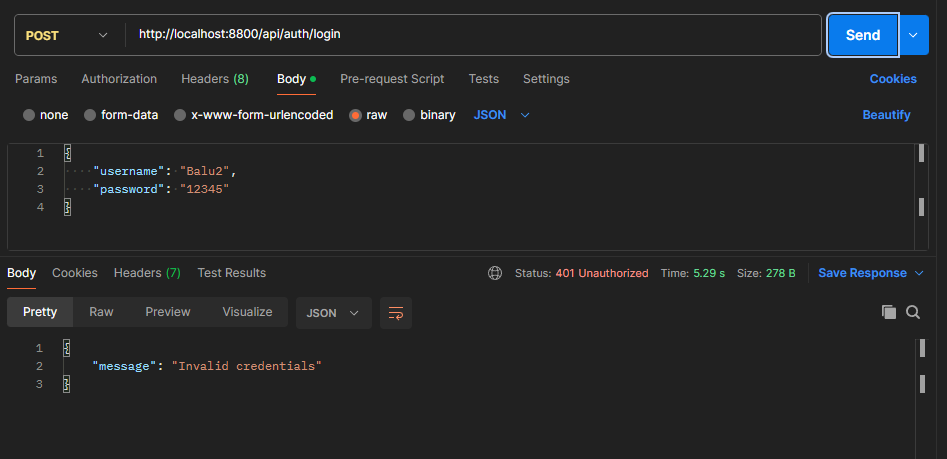
 

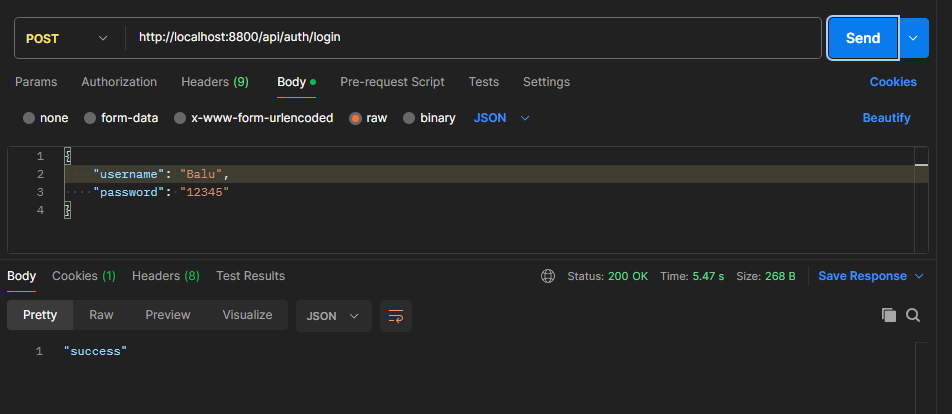
### **Login Route:**



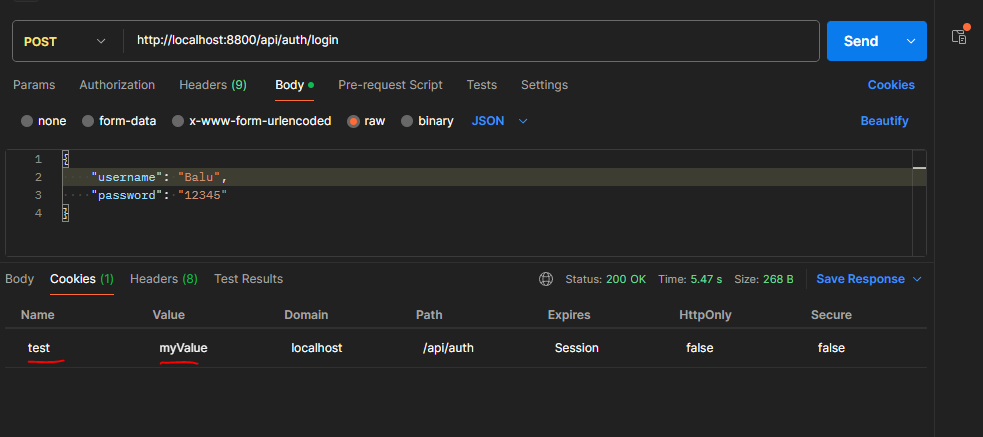


Error caused due to user instead of res



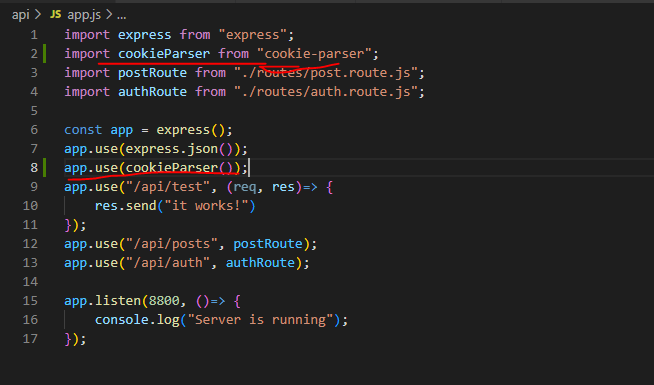


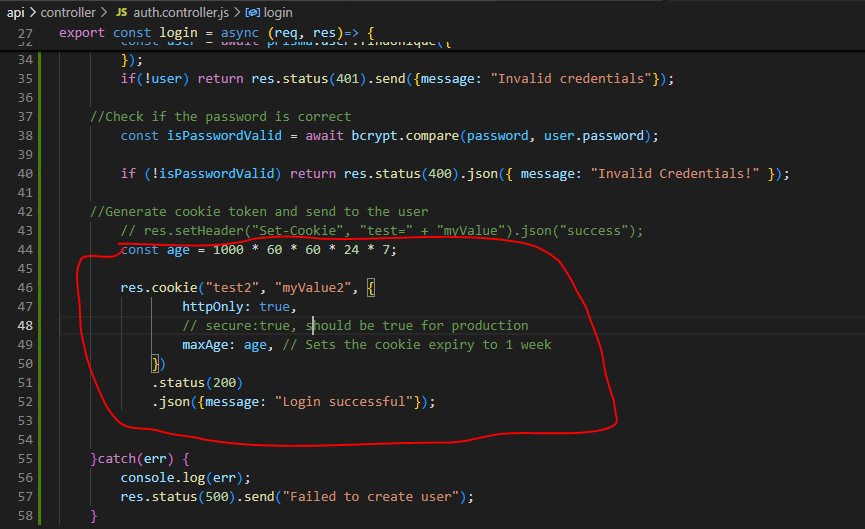
We receive the cookie as well

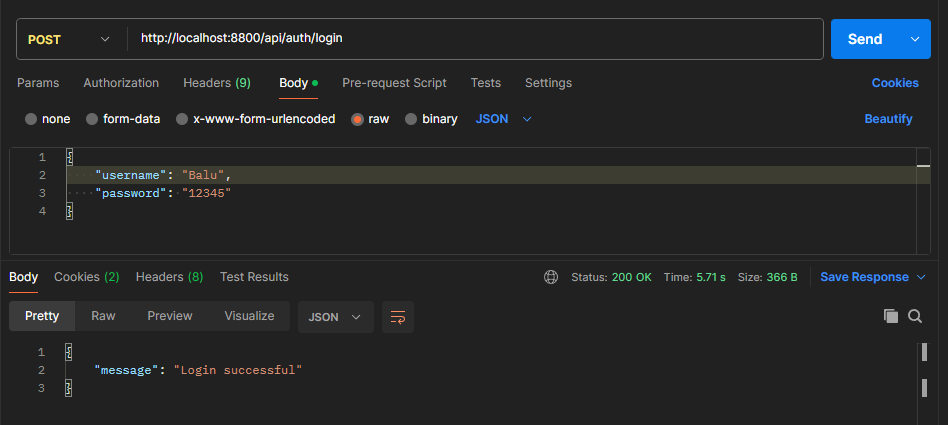


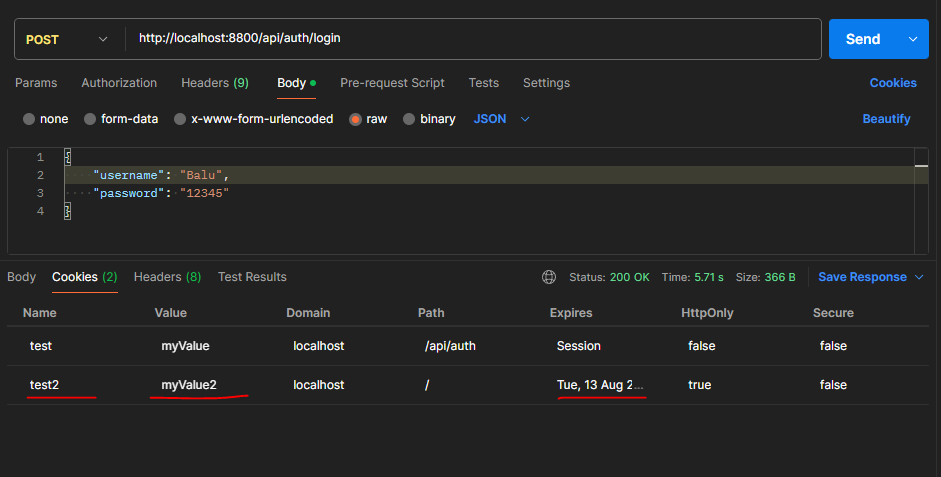
#### **Cookie Parser**

Npm I cookie-parser







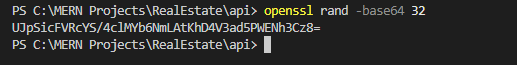


#### **JWT:**

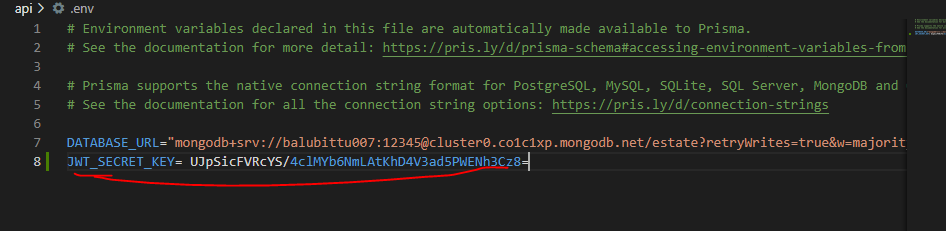
Npm I jsonwebtoken

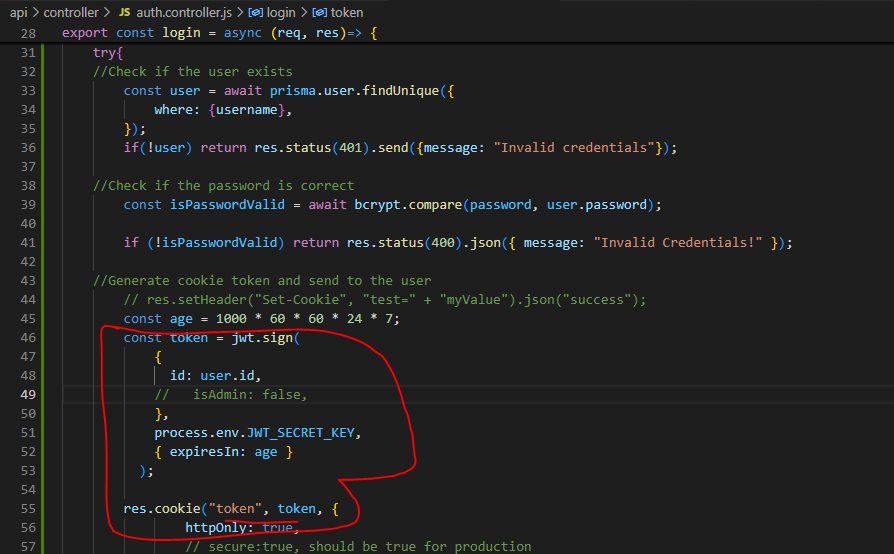
To generate random secret key run below

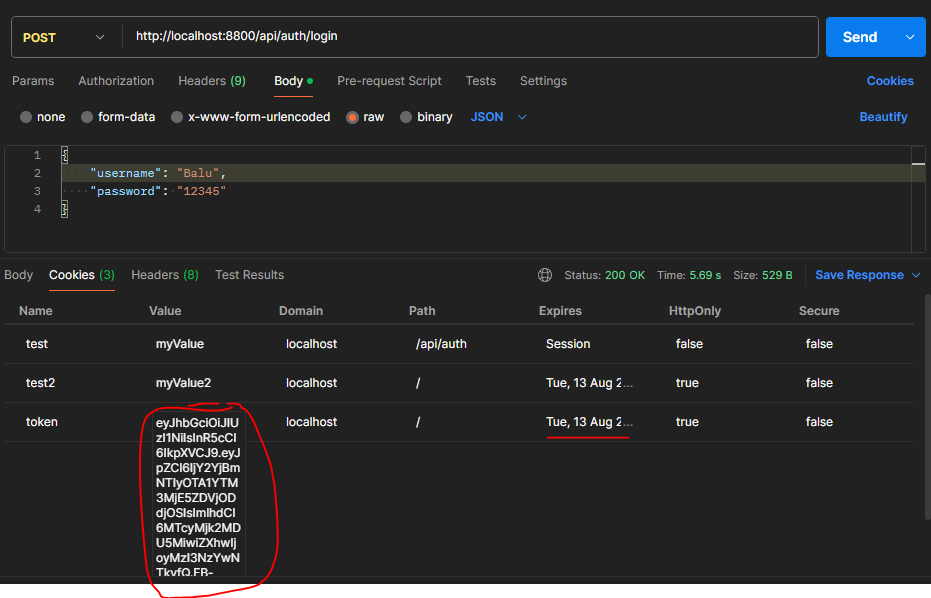
openssl rand -base64 32



Store it inside env file

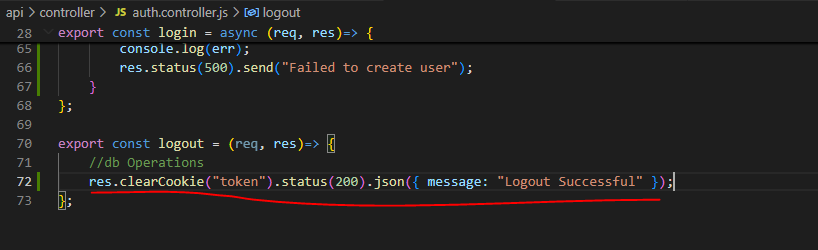


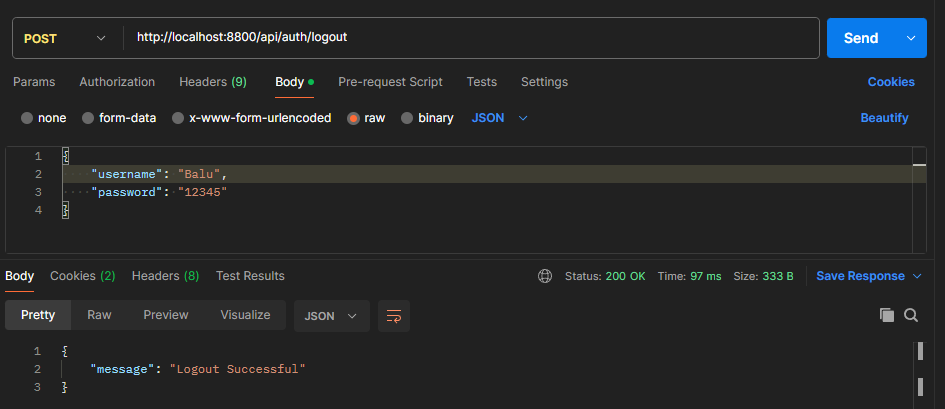




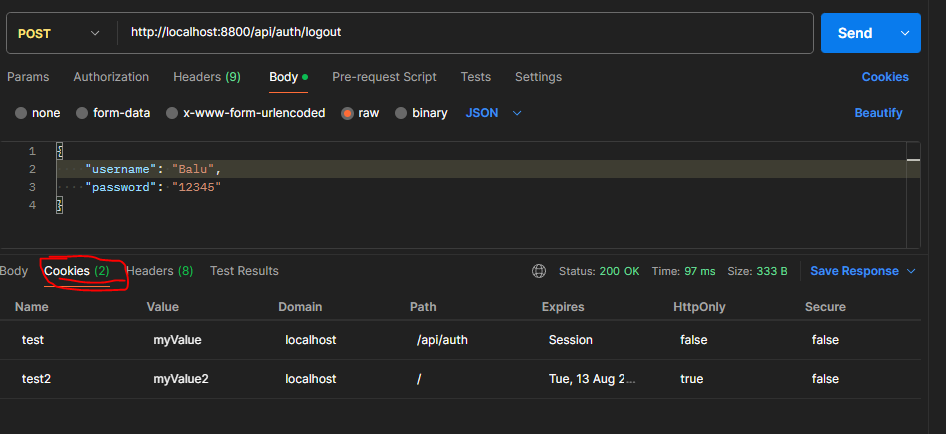
So, right now token consists of user id. On making different api calls we need to decrypt token and get the user id.

### **Logout:**

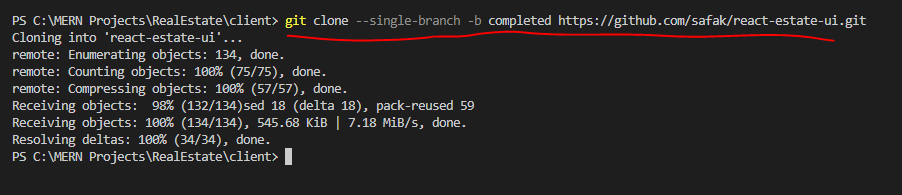


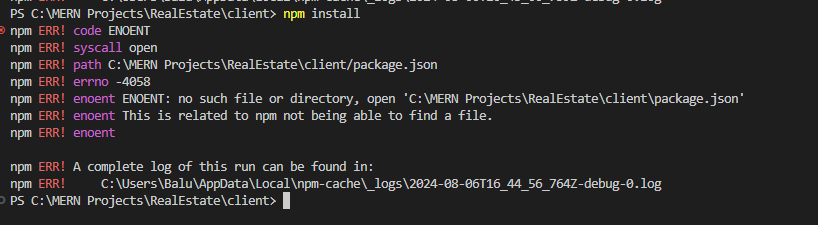


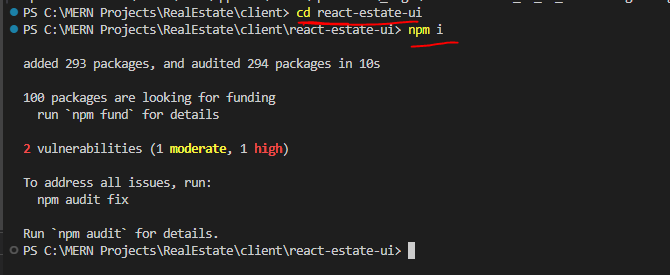
It will also clear token from cookie



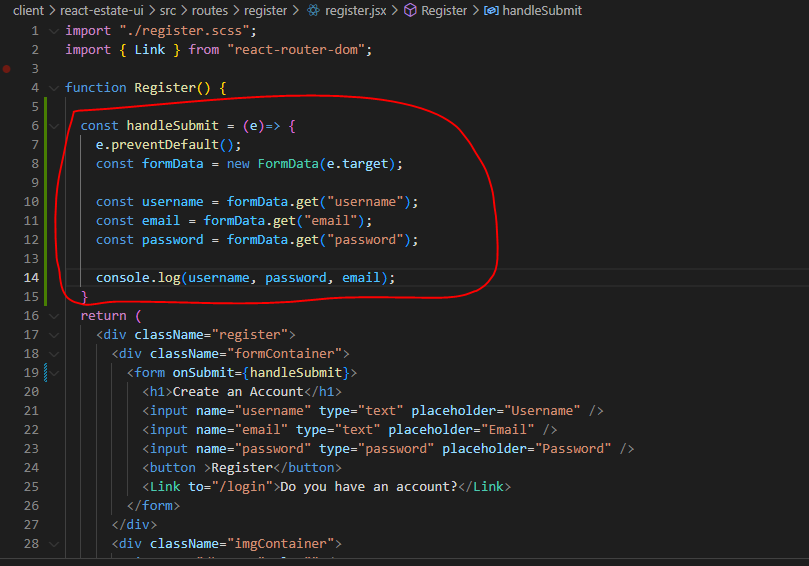
## **UI clone:**

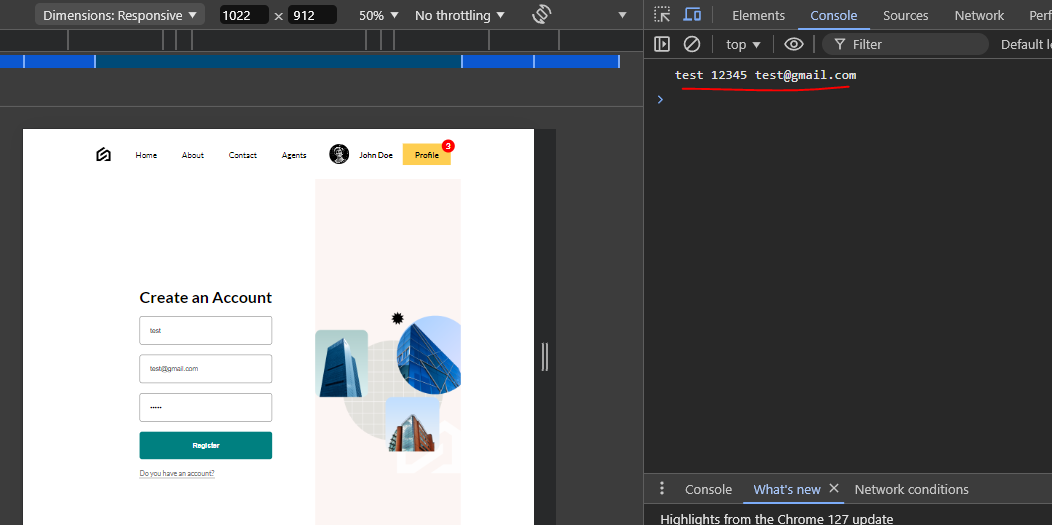




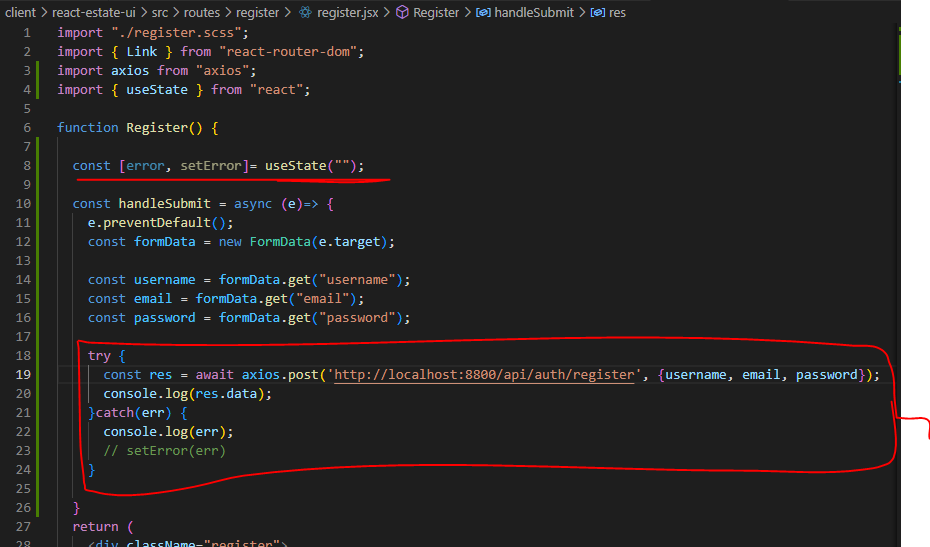


### **Integrating register with UI:**

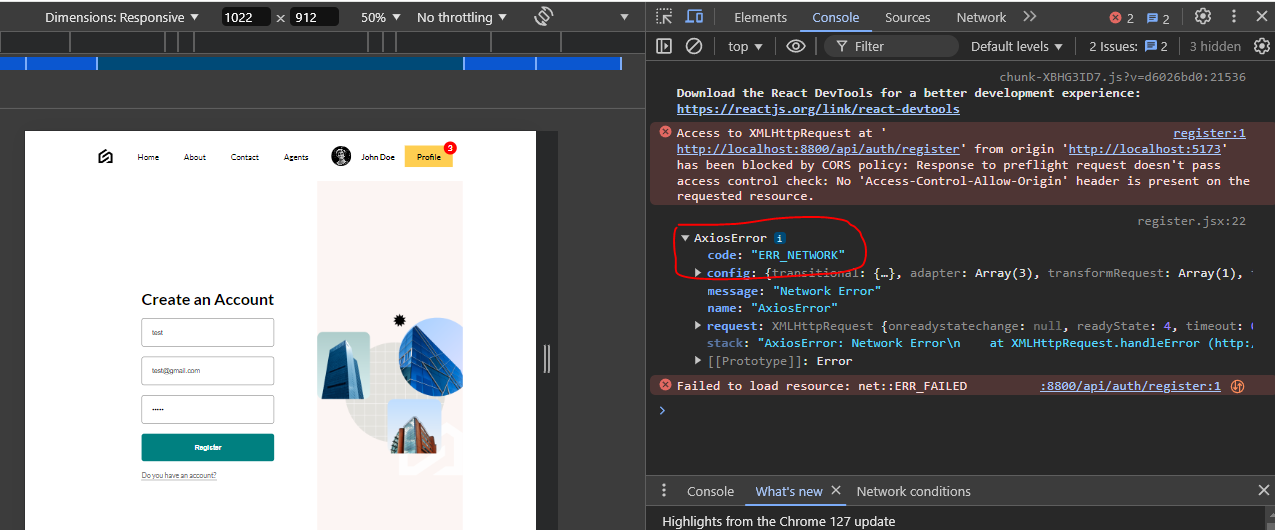




Install axios=> npm I axios

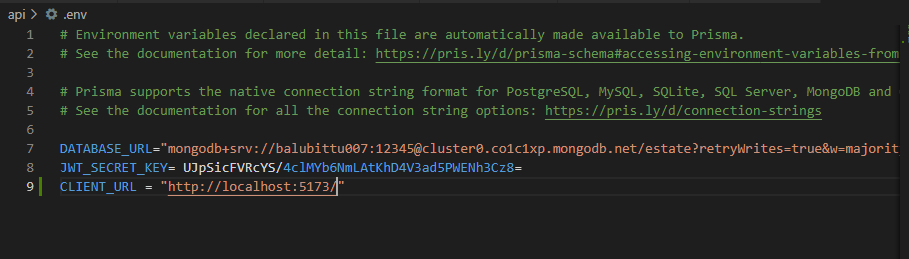


### **CORS Error:**

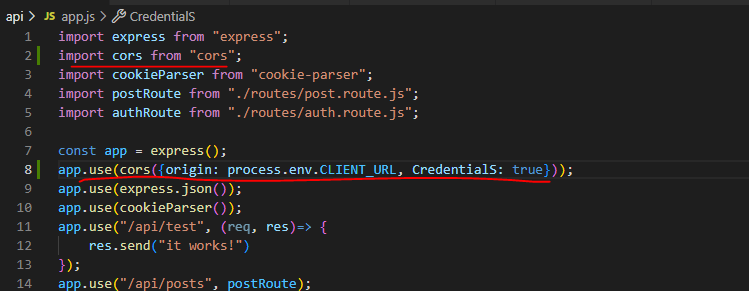


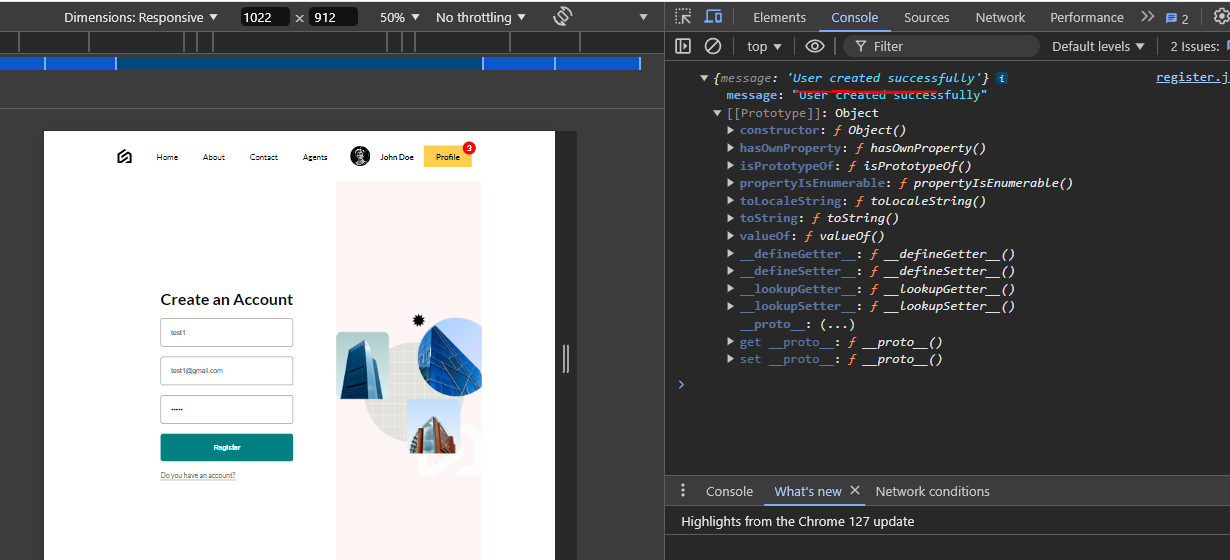
Npm I cors

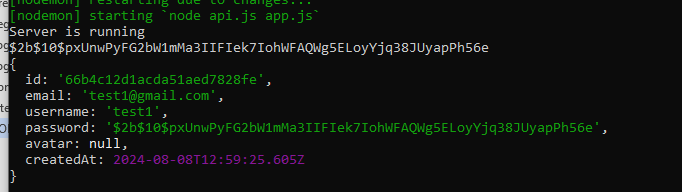
Client url should be updated after deploying the application.



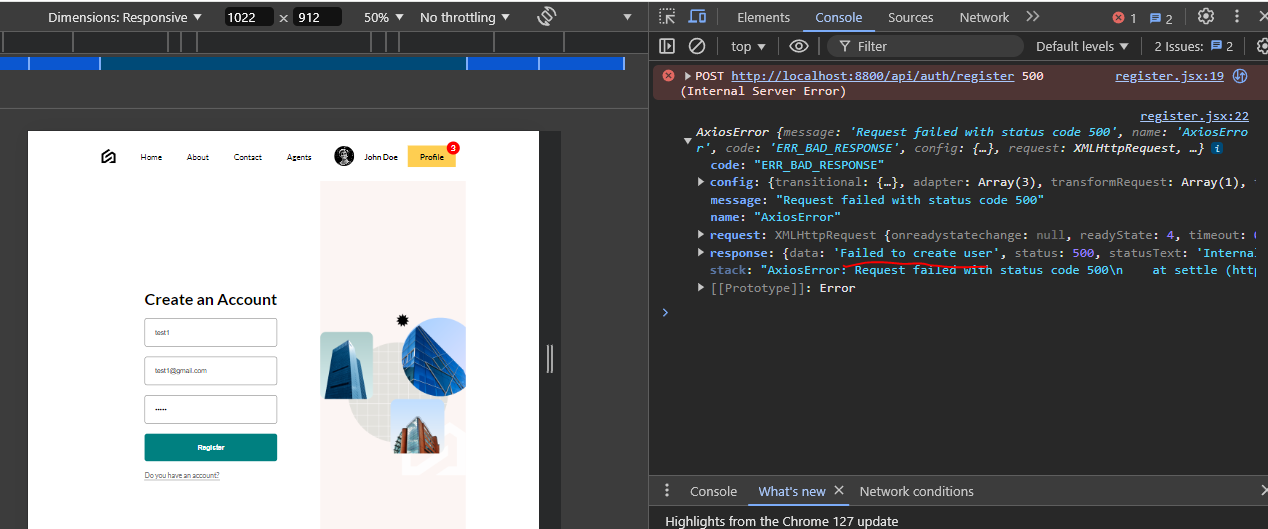
Using credentials: true will allows us to send cookies to the client.

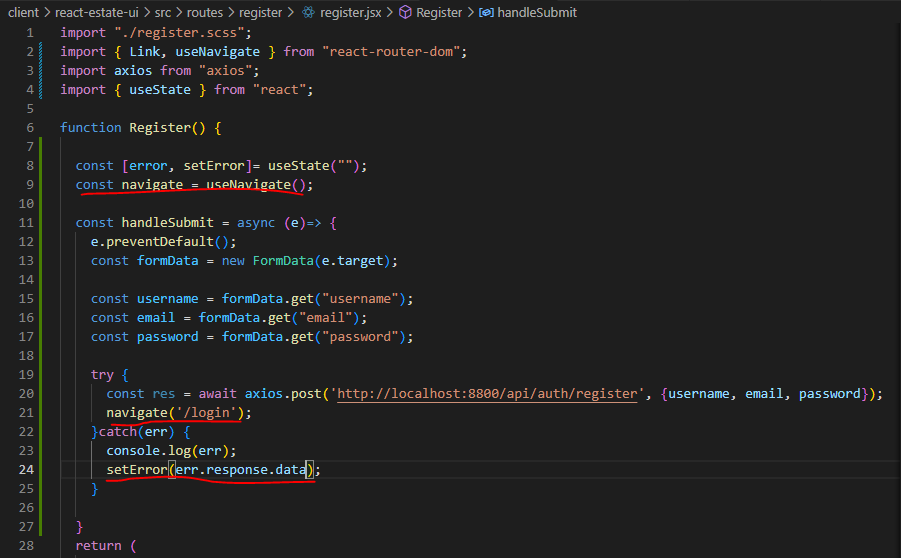


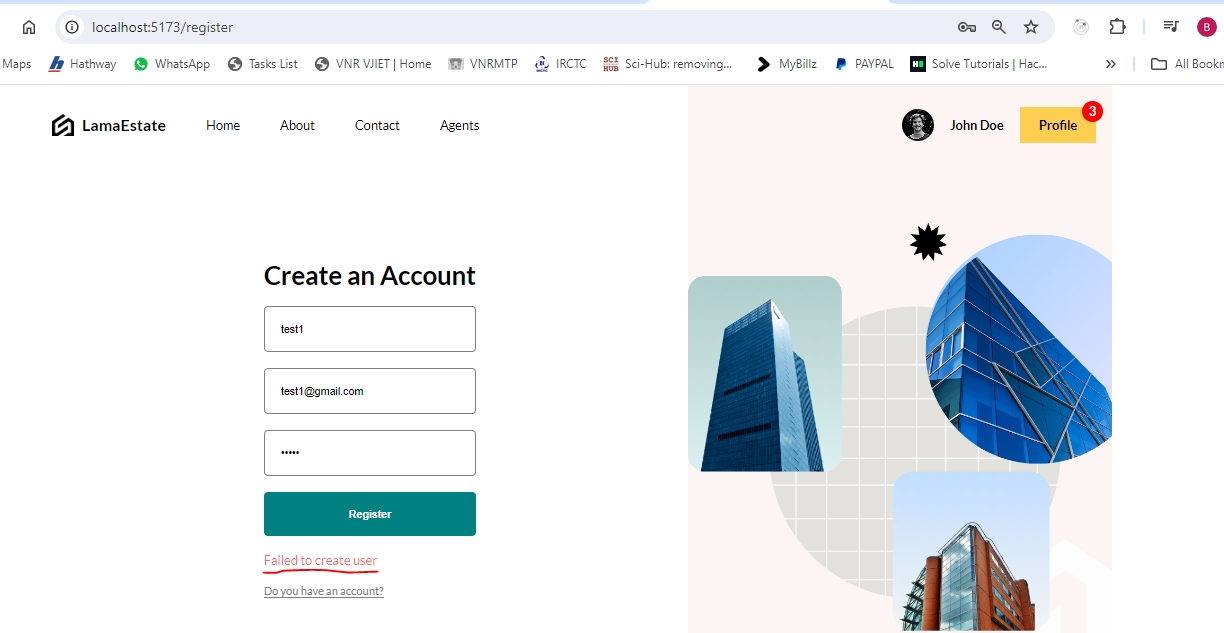




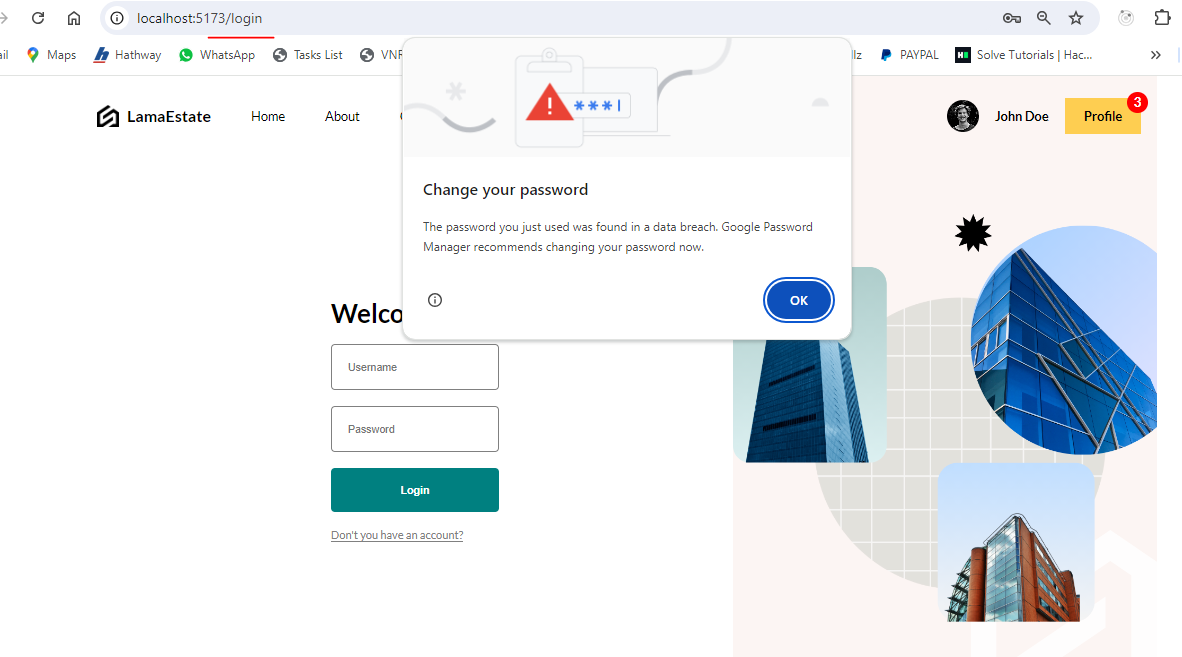
If we try to create the user again with same details. We get error





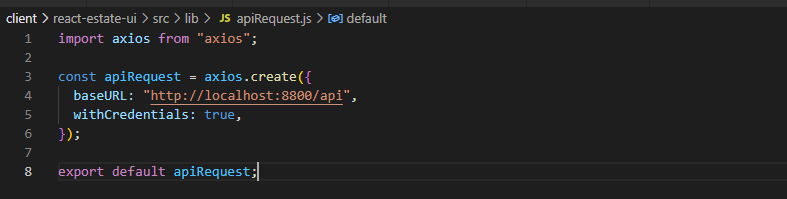


In case of unique details we get navigated to login page



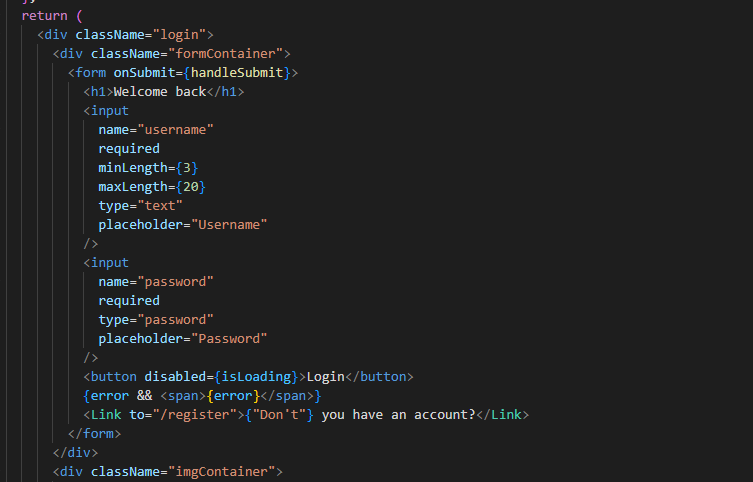
### **Storing user info in browser:**

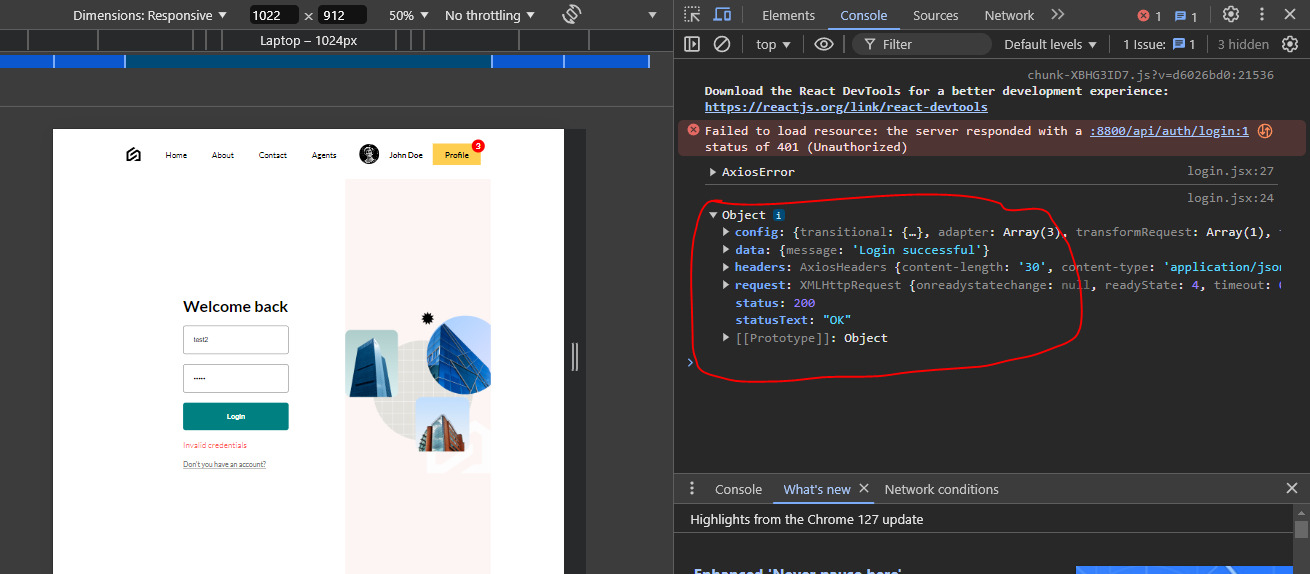
Create base url in a separate file



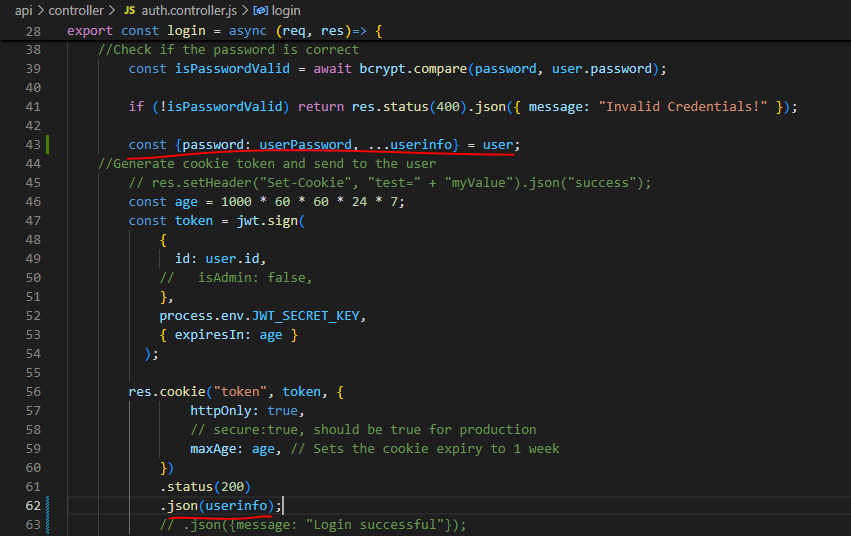


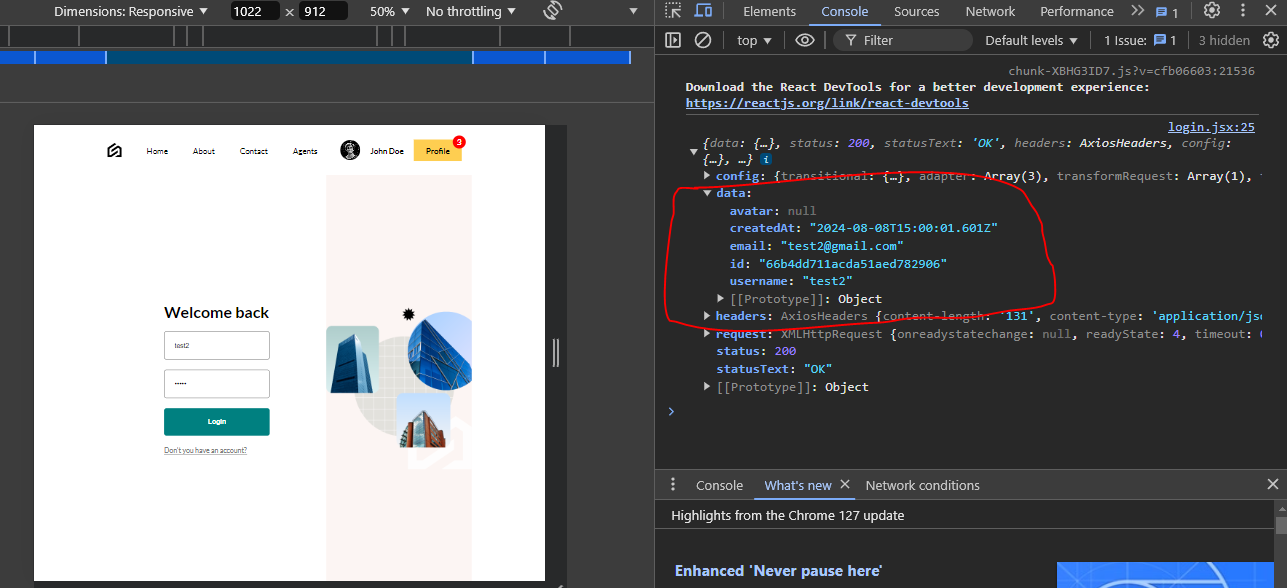




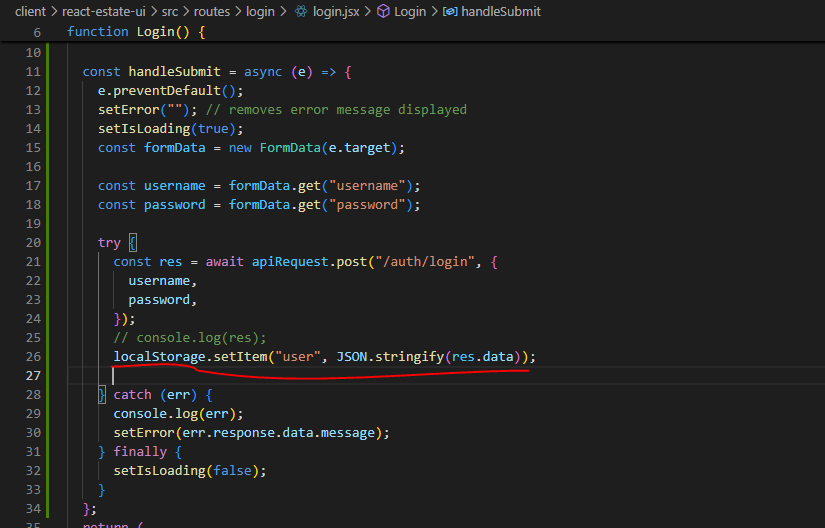


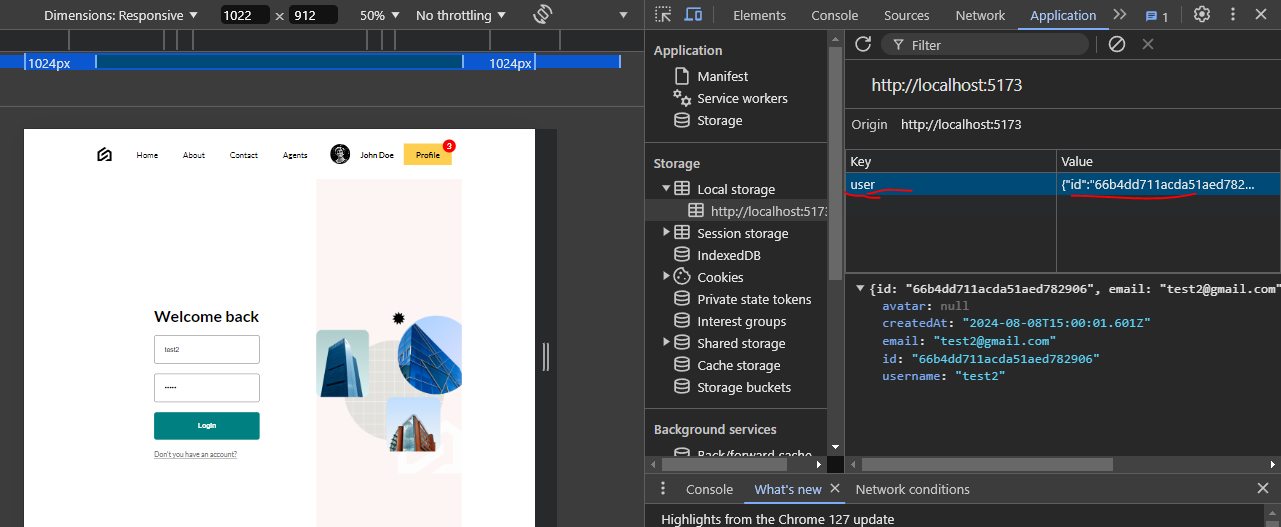
But instead of sending the message. We need to send the user info.



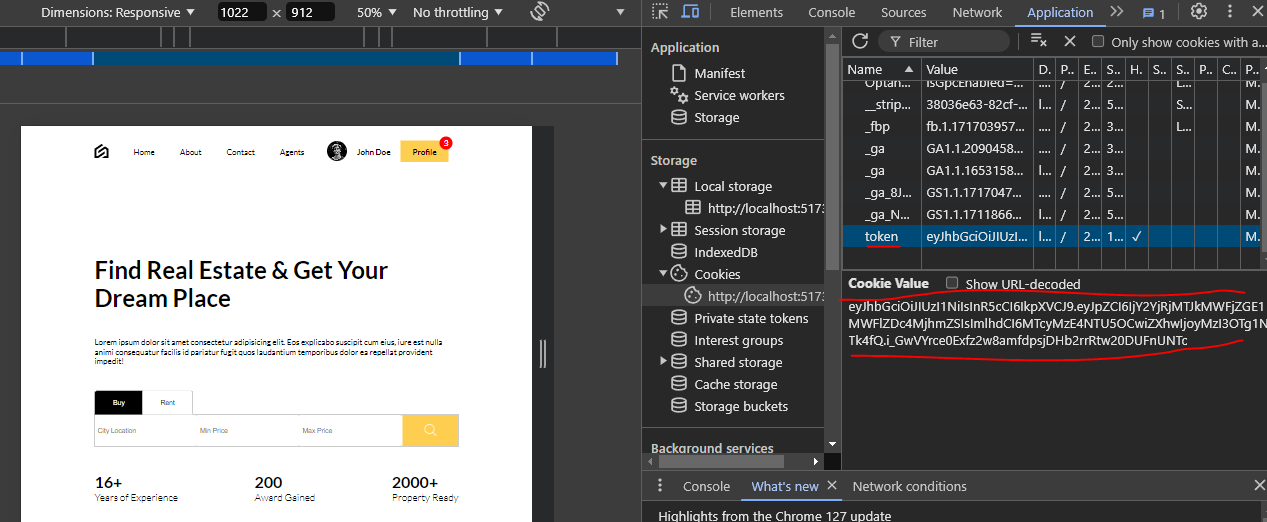


Also we save & use this user info in browser just to display the user name but to make any other api calls to create/delete posts we are gonna use cookies. This makes our application secure.

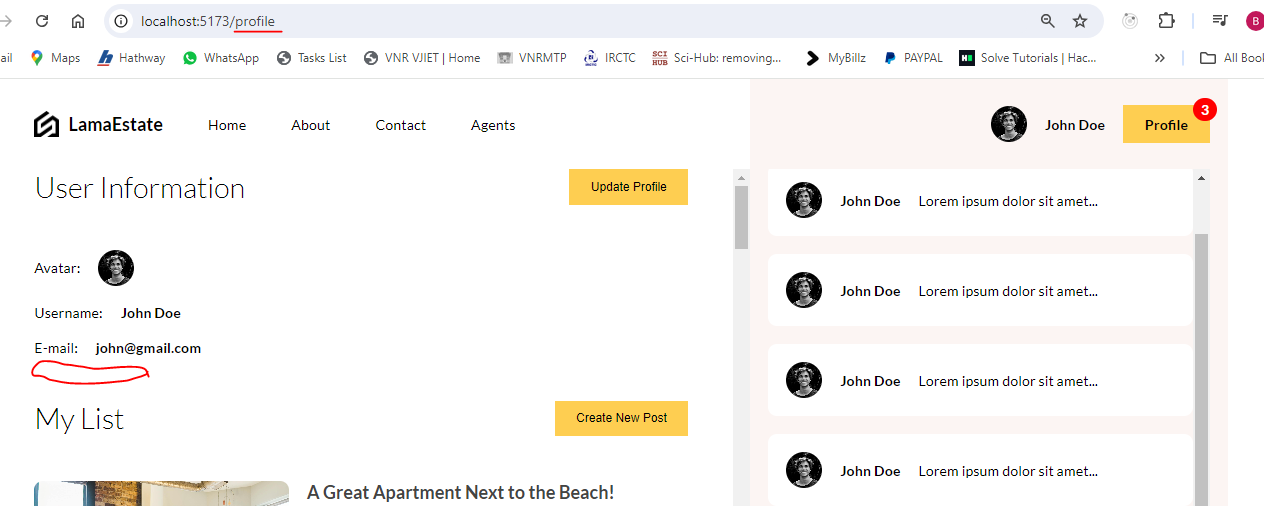


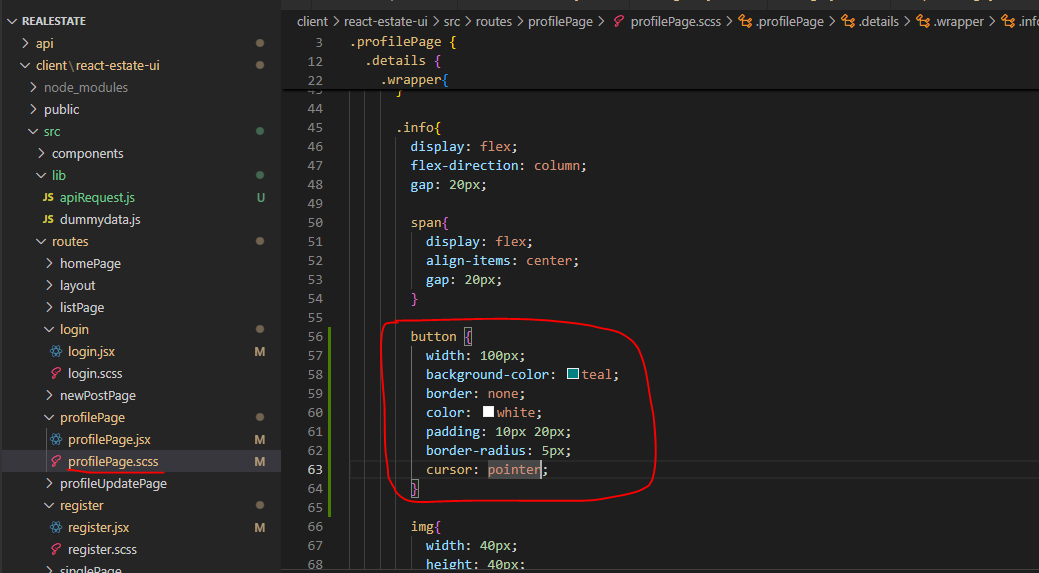


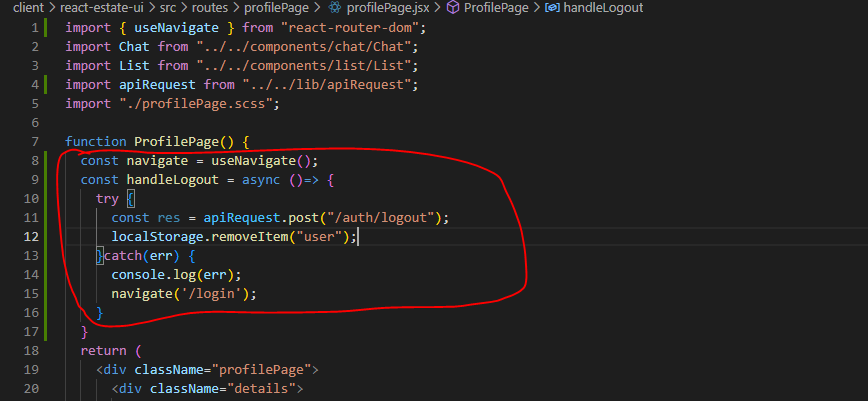
Also token gets stored in cookie



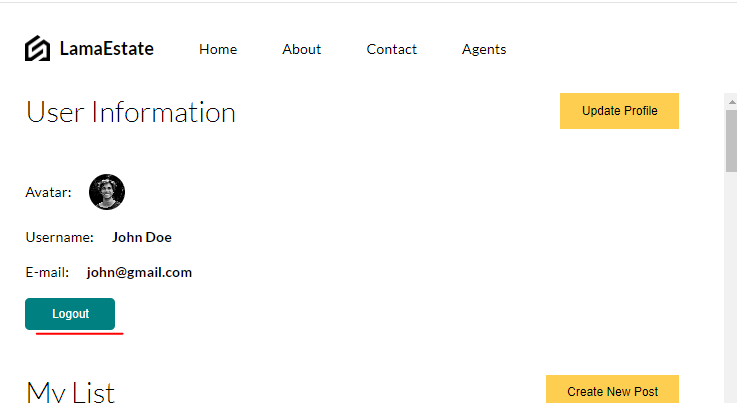
### **Creating logout button in profile page:**

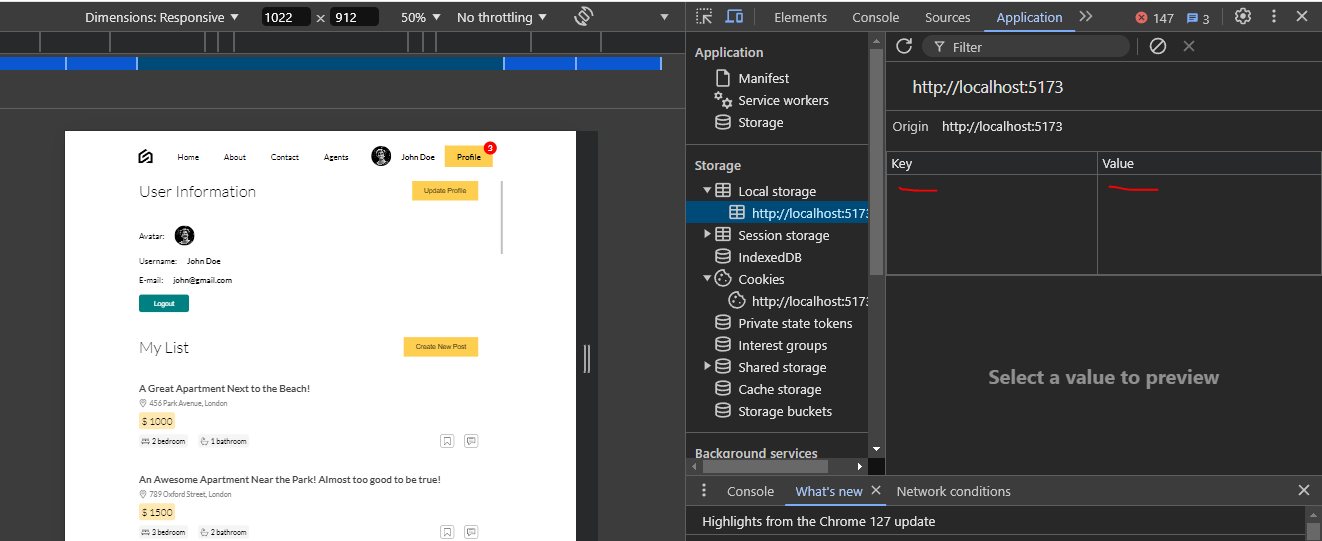


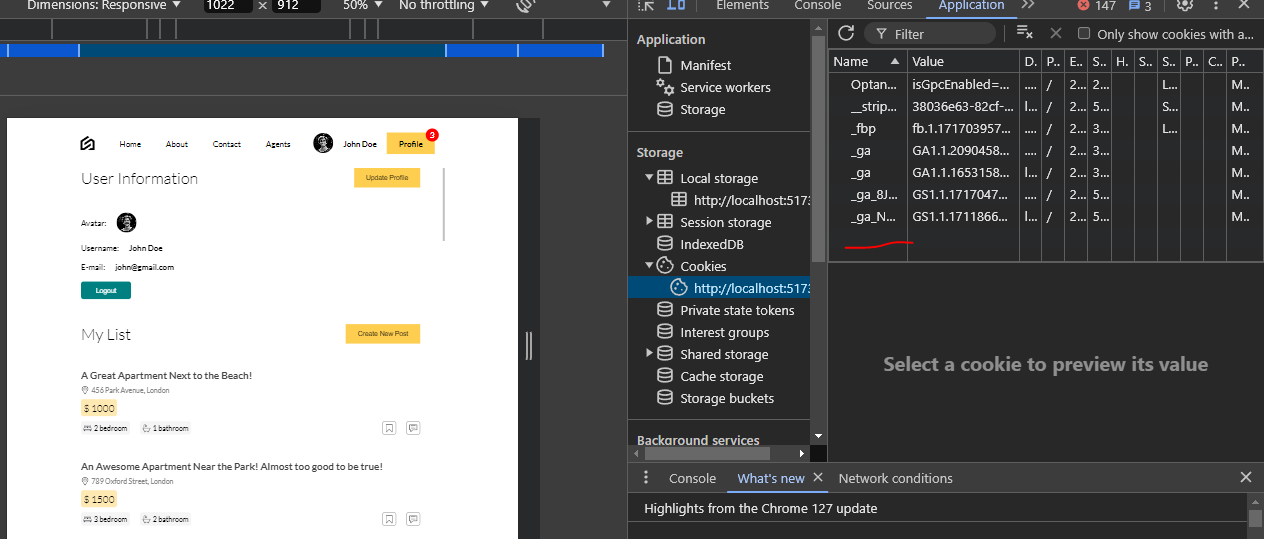






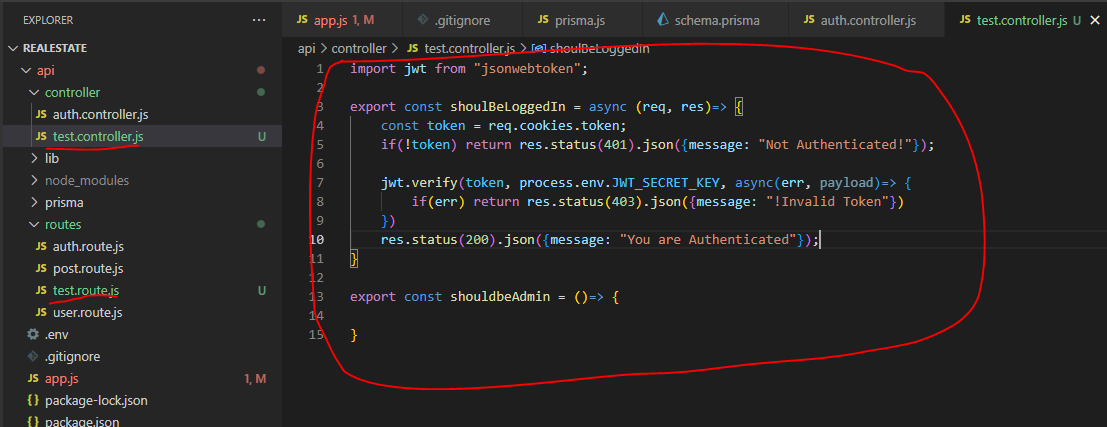


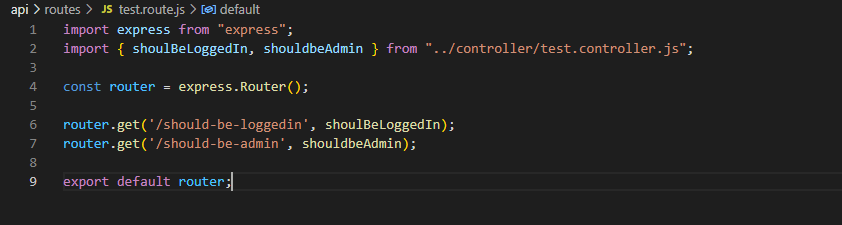
After clicking on logout button local storage is cleared also cookie got cleared



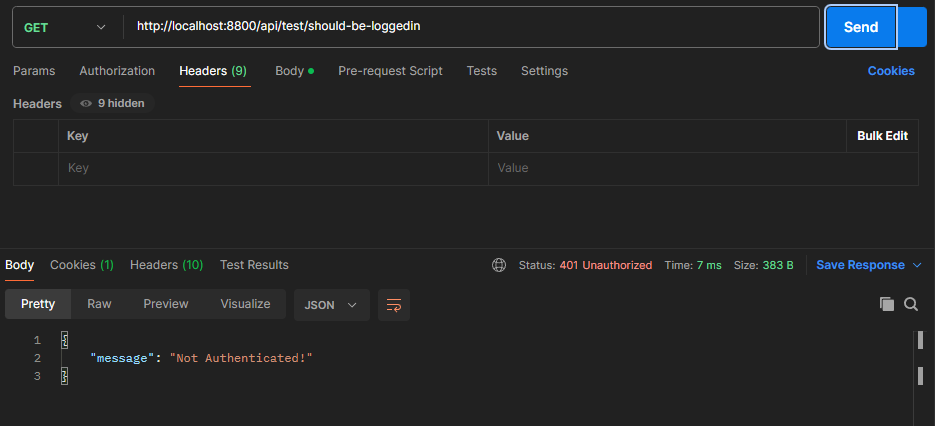
## **Authorization - Protect Routes in API:**

### **Protected test routes**

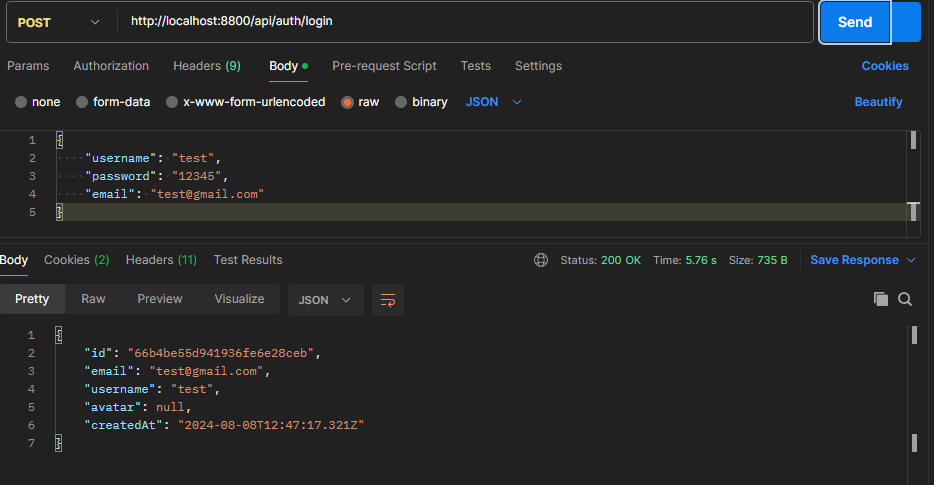


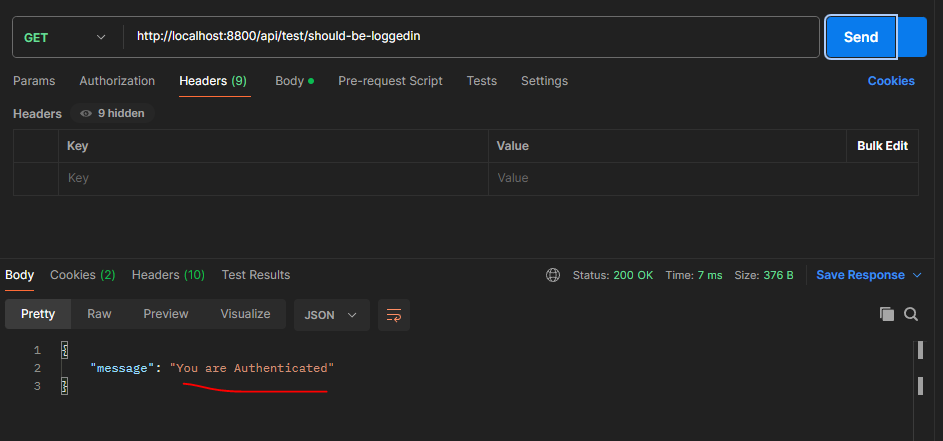


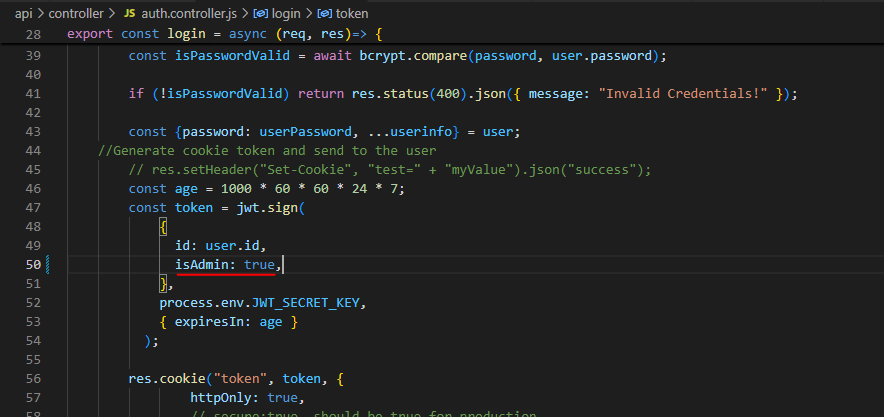
Without token we get below error

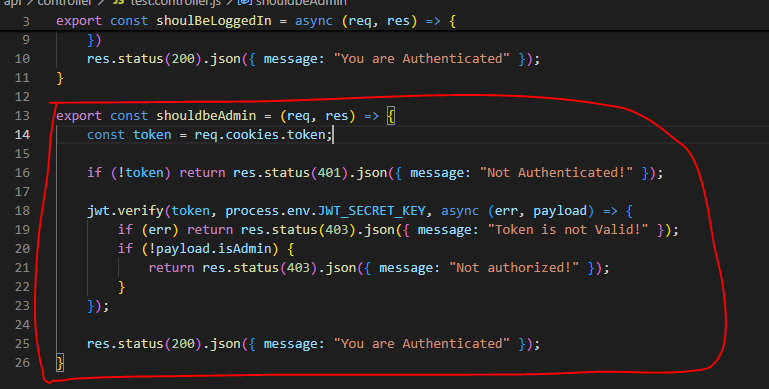


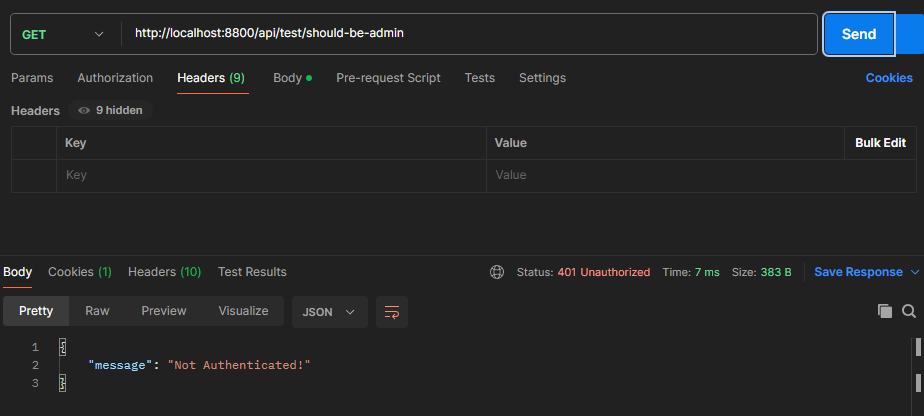
After making a login request we receive token











After login

