**Day 12: 20 April 2025**

**Adding middleware**

**Backend project steps**

**mkdir login-app-with-token**

**npm init** to create the package.json file

npm install bcryptjs dotenv express jsonwebtoken mongoose

then create .env file and store environment variables

MONGO\_DB\_URL="mongodb://localhost:27017/product\_login\_db"

MY\_TOKEN="my\_secret\_token"

PORT = "3000"

Then create the folder as

config

db.js this file provide database connection

models

products.models.js

users.models.js

these file provide mongo db collection schema details as well as collection names.

repositories

pure database logic

products.repository.js

users.repository.js

these files contains database related operations.

service

pure business logic

products.service.js

custom business logic.

users.service.js

use hashing password while signup

while singin if correct generate the token

controller

responsible to get the data from request object and return the response. Deal with request and response objects.

Produts.controller.js

Store, delete, update, find with different types.

Users.controller.js

SignIn and Singup functionality

routes

it provide routing details and http method like

get, post, put and delete as well as we can configure middleware for particular end point.

Users.routes.js no middleware

Products.routes.js

Store, delete, update admin can do

findAllProduct customer can do

searchProductbyId without token

middleware

auth.middleware

which contains 2 function

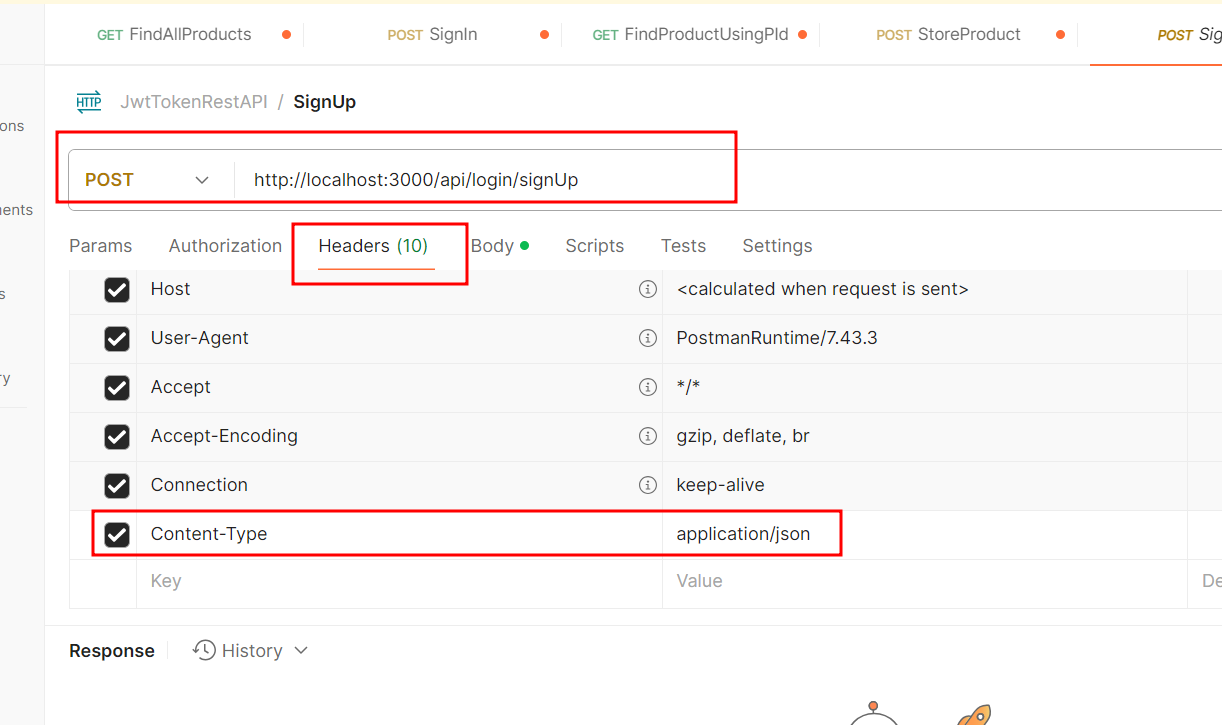
1st function is use to check token from header file and valid token if present set the role in request object.

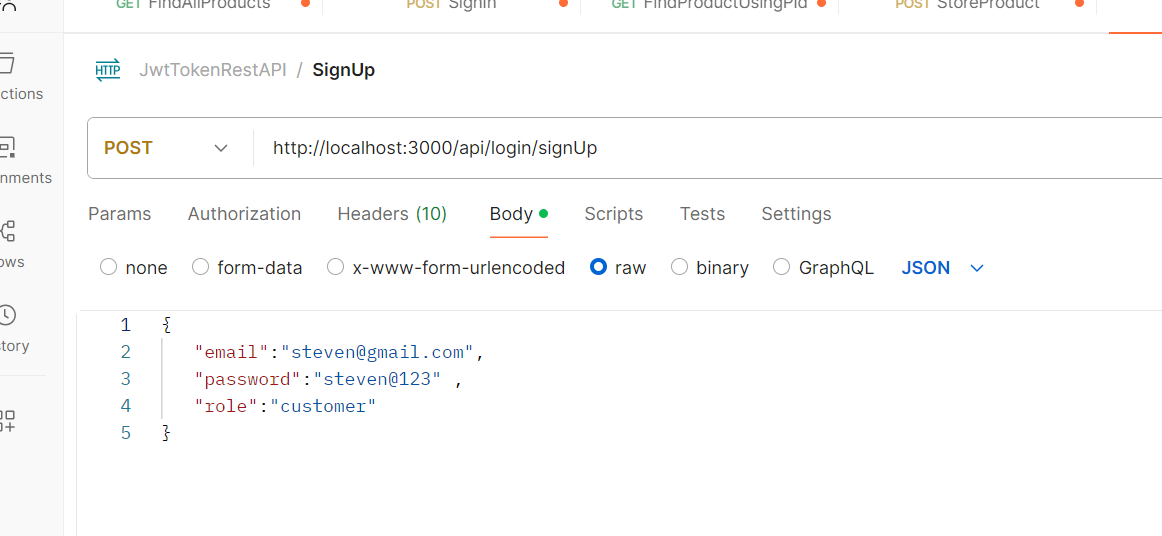
2nd function is use to check the role.

App.js file

Provide entry point for the application.

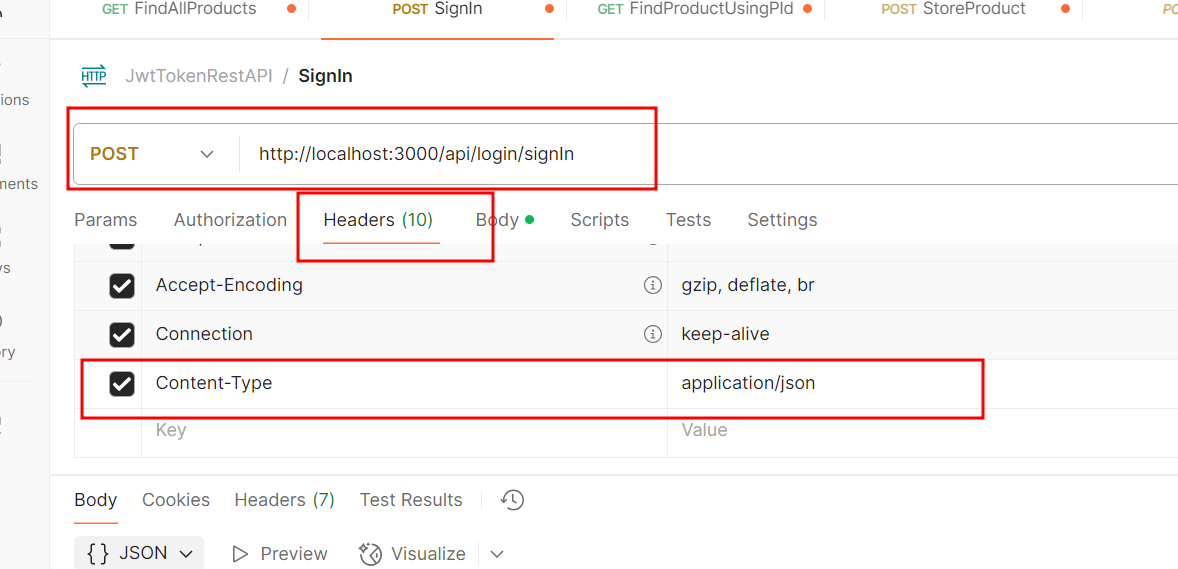
Signup end point testing through post man

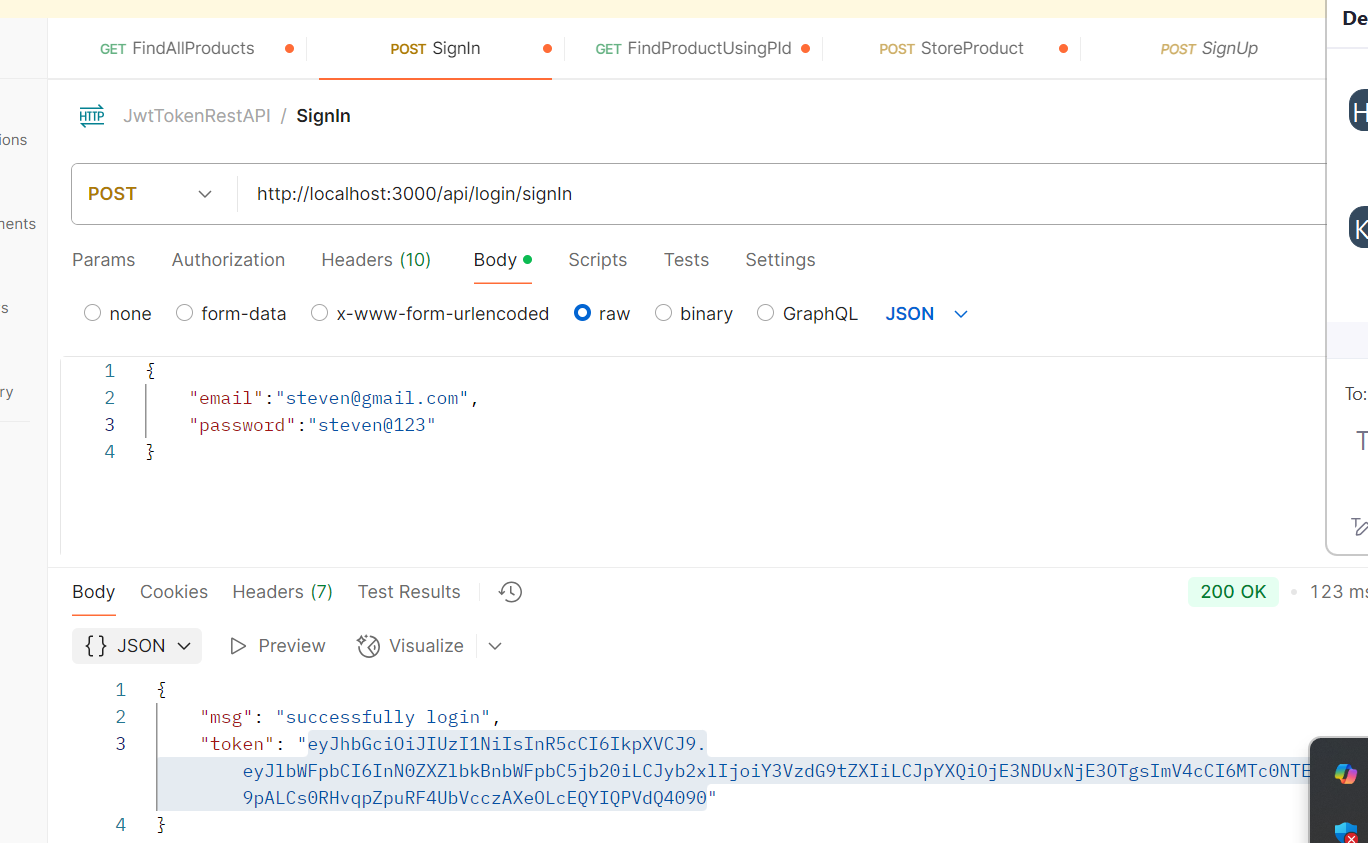




Create the account with admin as well as customer role

Signin end point

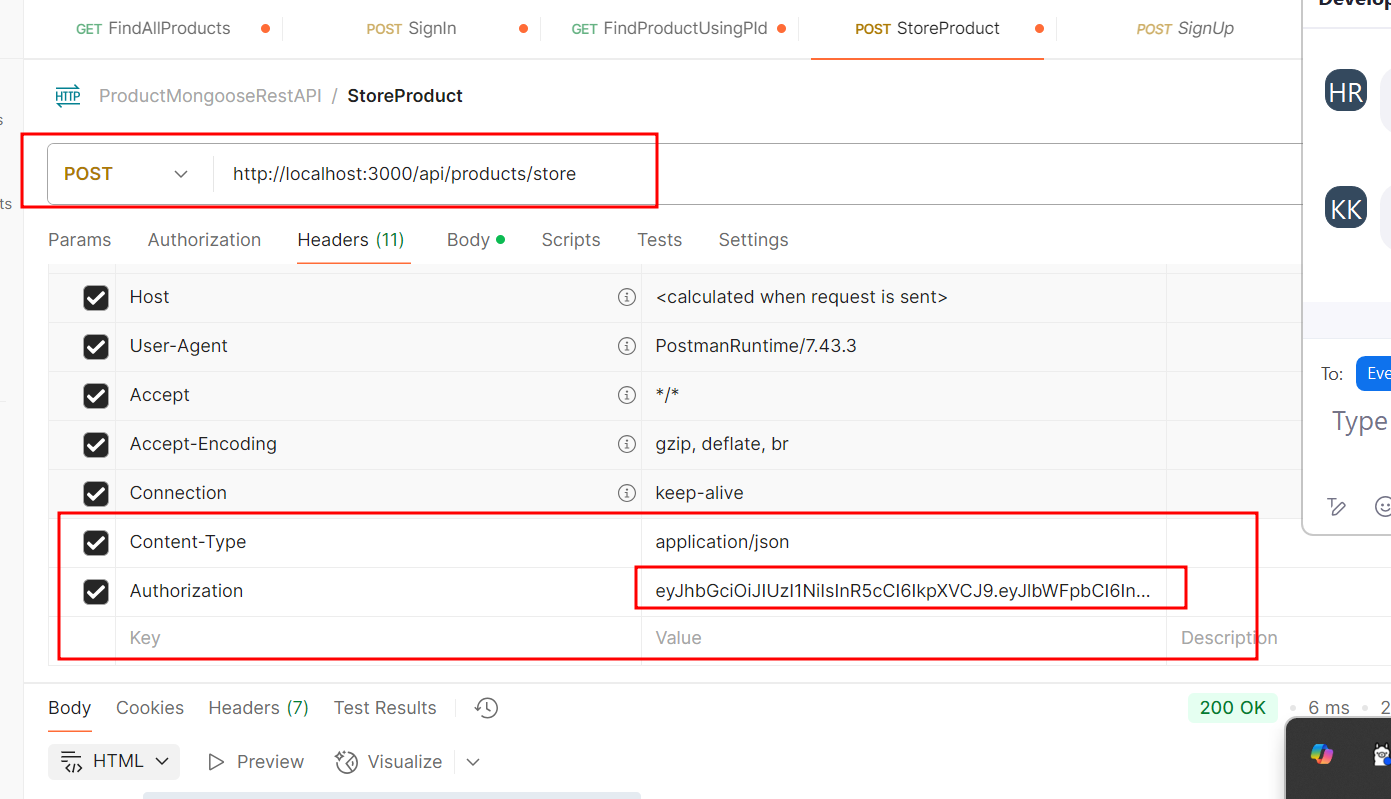




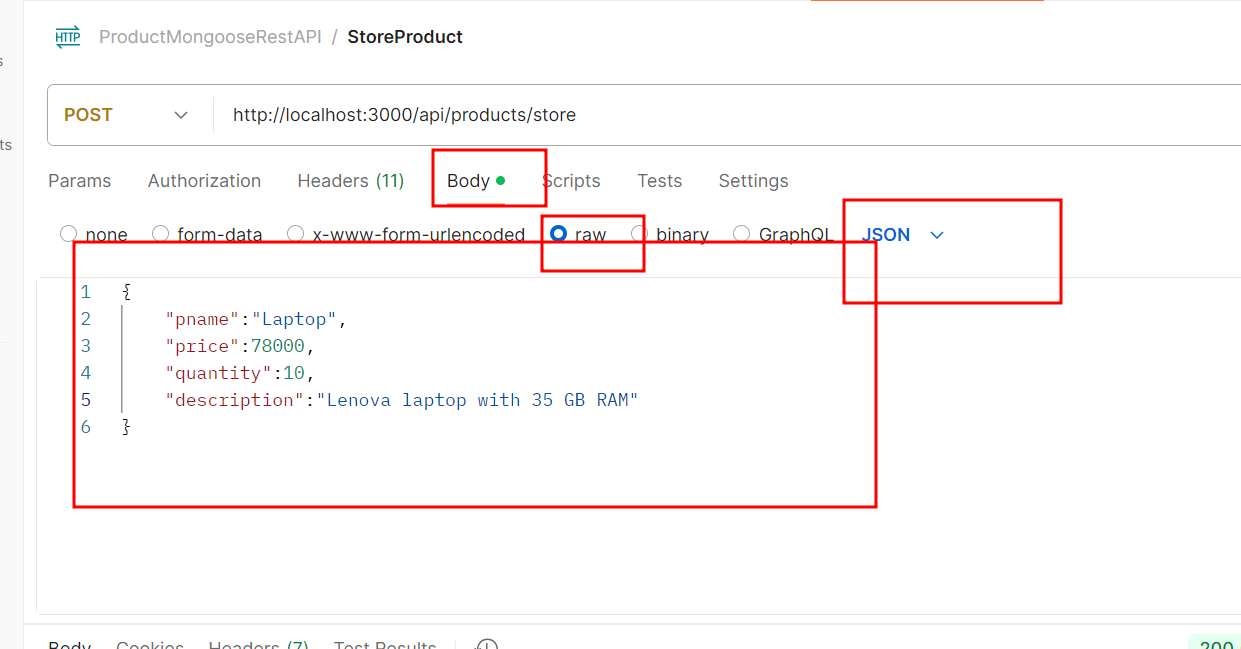
If correct user details it will generate the token

Copy the token

Add the product (it can do only by admin)

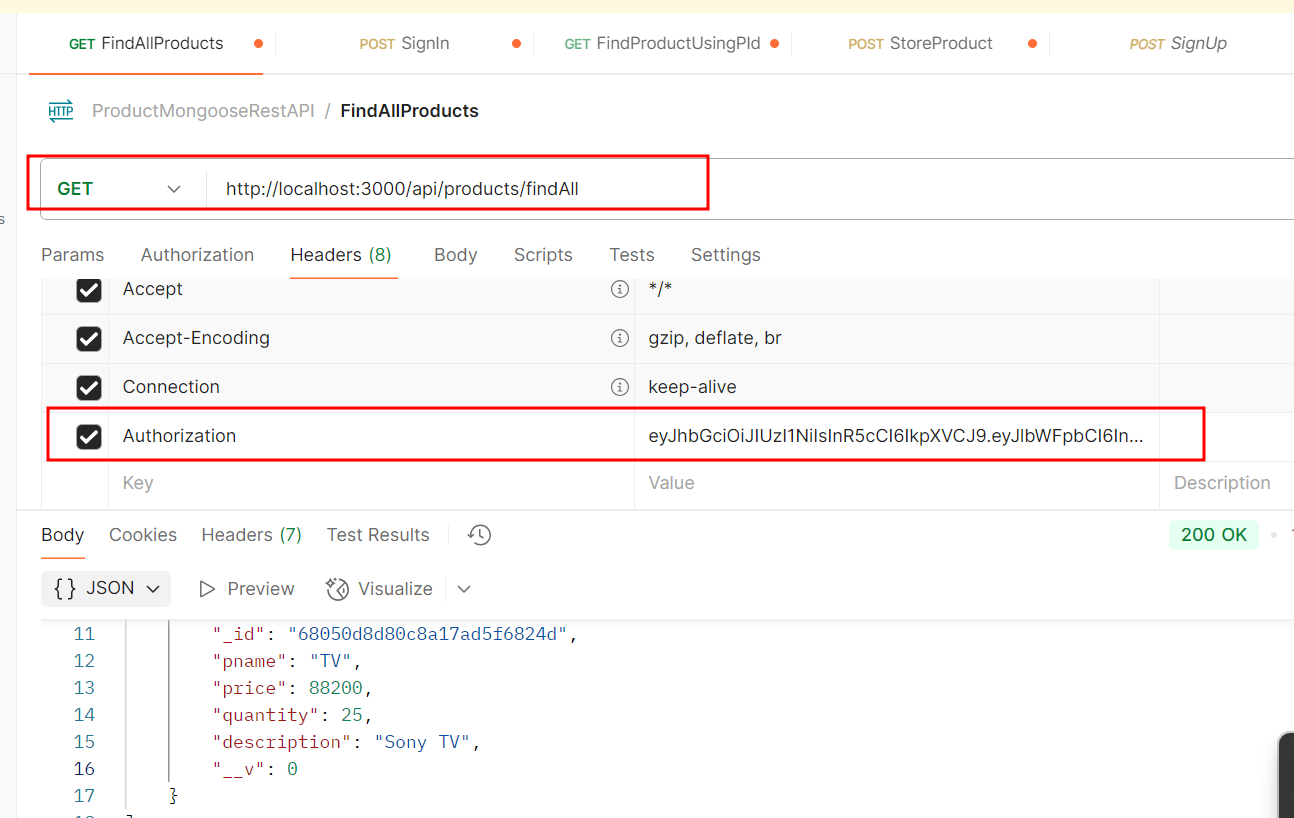


Authorization copy and paste new token



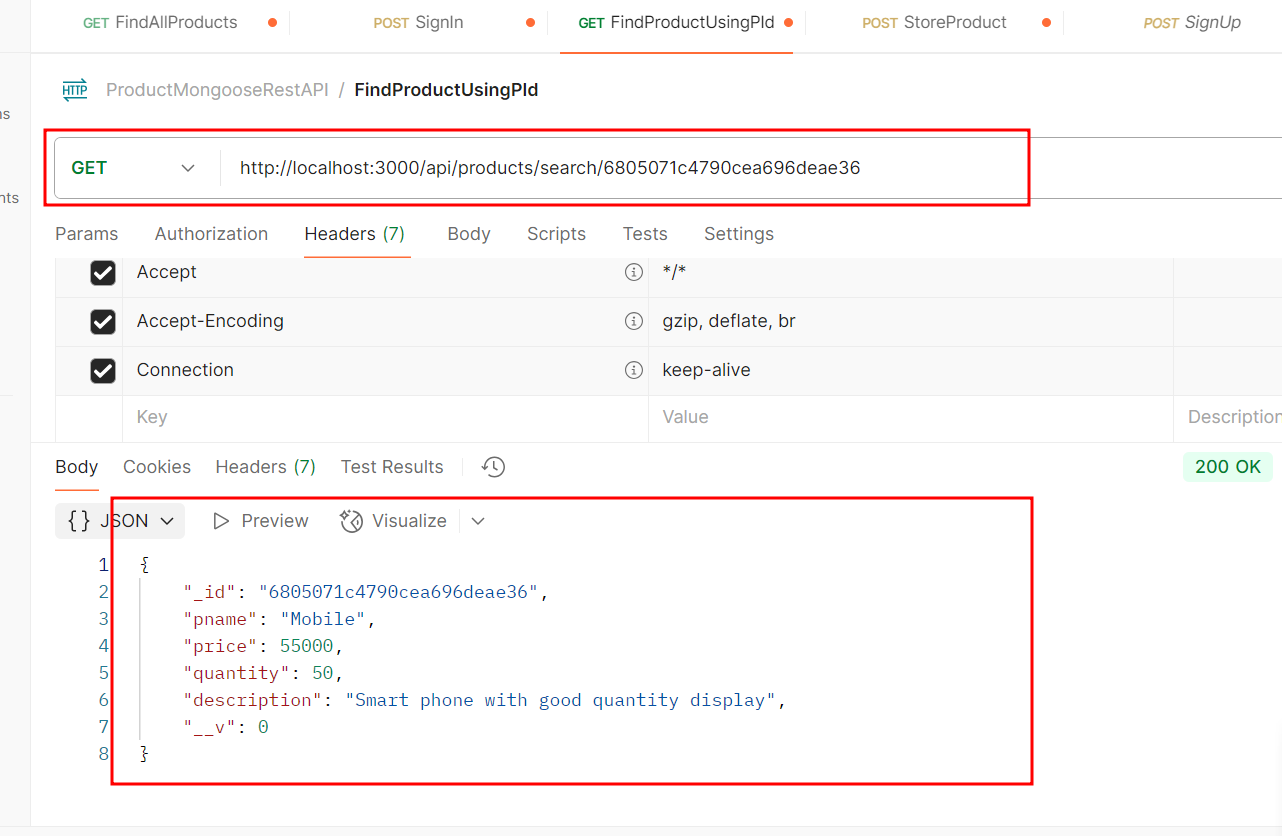
This end point can call by only admin

Find all product these end point can call by admin as well as customer



Provide valid token

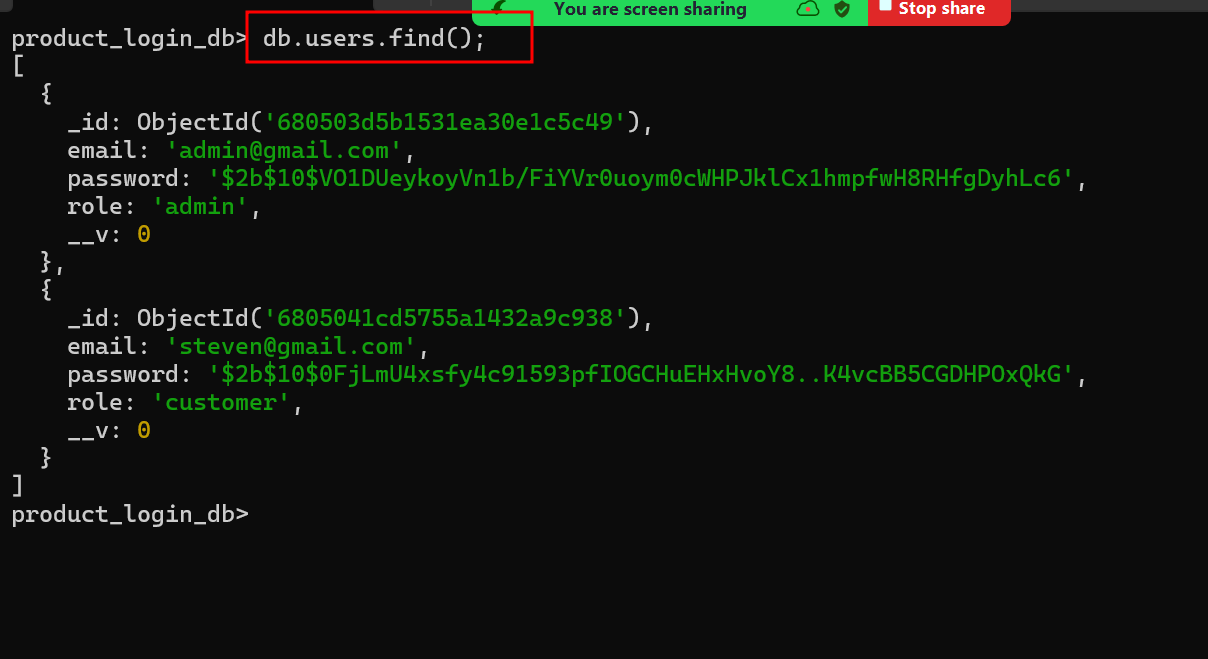
Search the product end point can be call by admin, customer, without token



Please check your product id

Data in database ie mongo db

User details



Product details



**Course End project**

**mkdir my-stock-api**

npm install -y create package.json file

**npm install express axios mongoose dotenv**

<input type=”text” name={fname} value={fname}

onChange=(e)=>setFName(e.target.value)/>