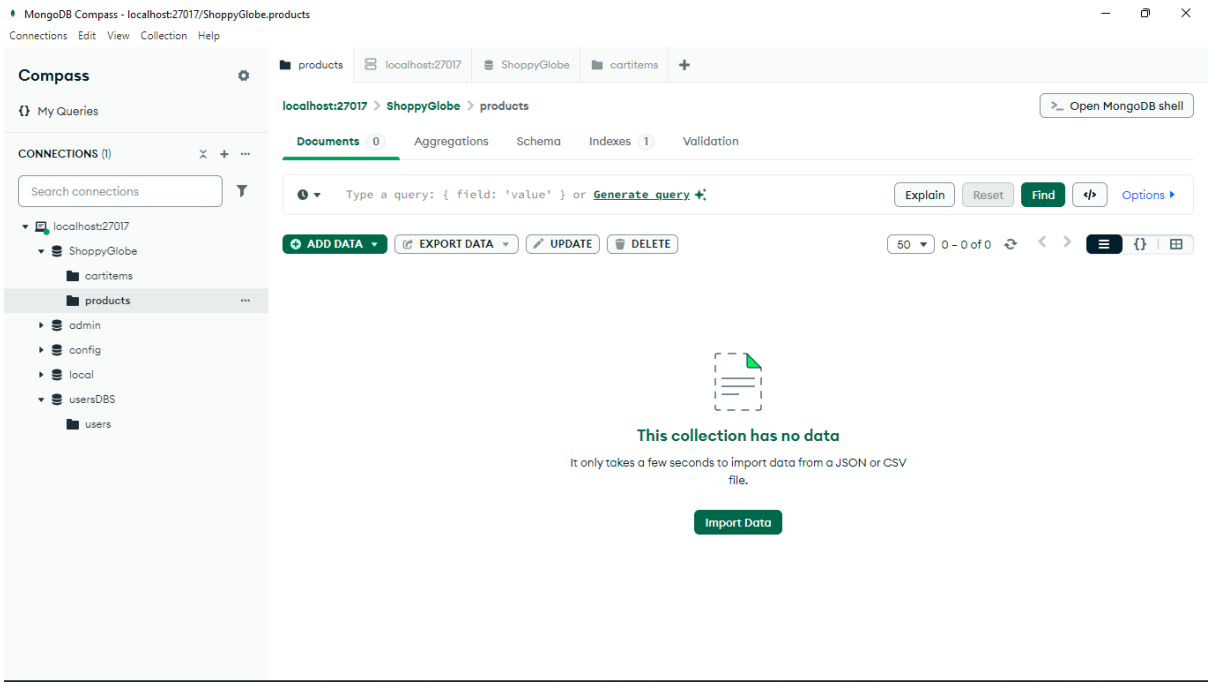
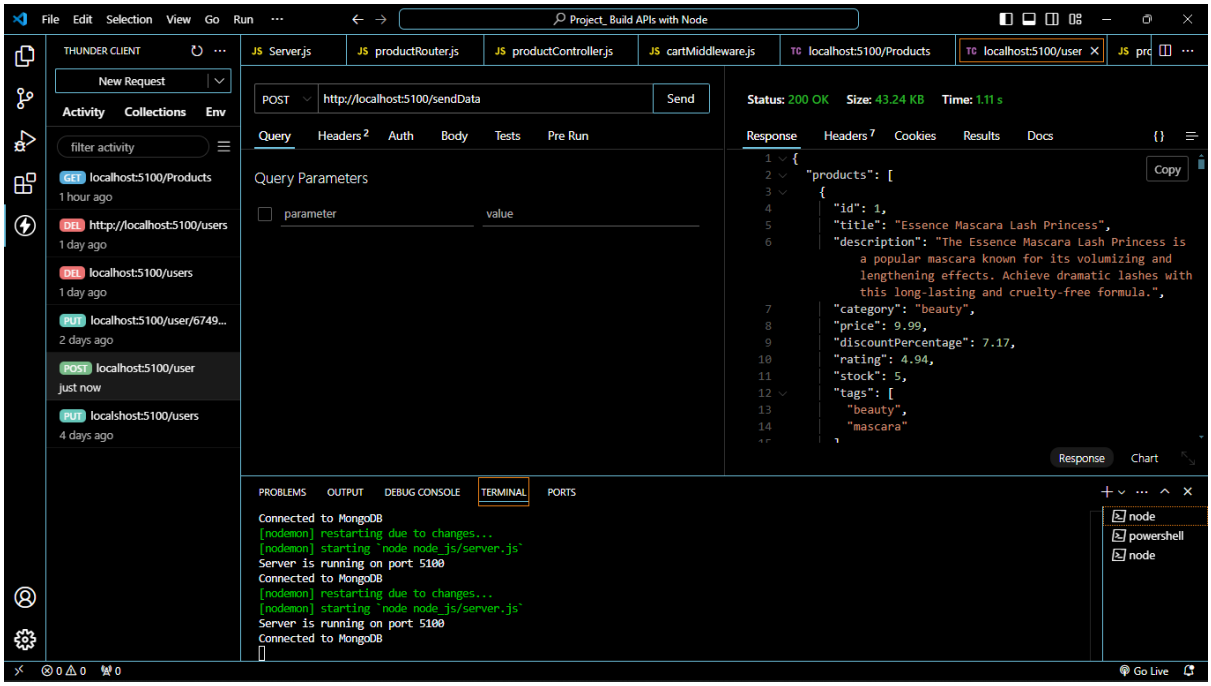
Project: Build APIs with Node.js and Express.js for Shoppyglobe E-commerce

Objective: Create the backend for the ShoppyGlobe application using Node.js, Express, and MongoDB.

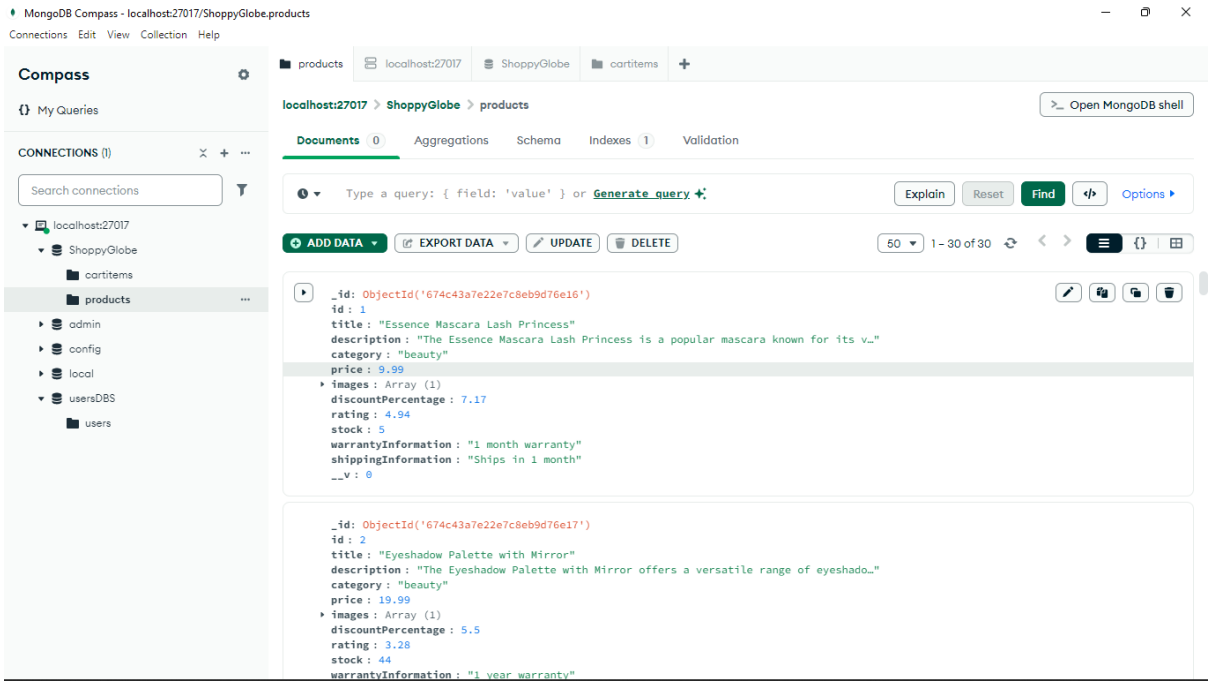
Initial data base:-



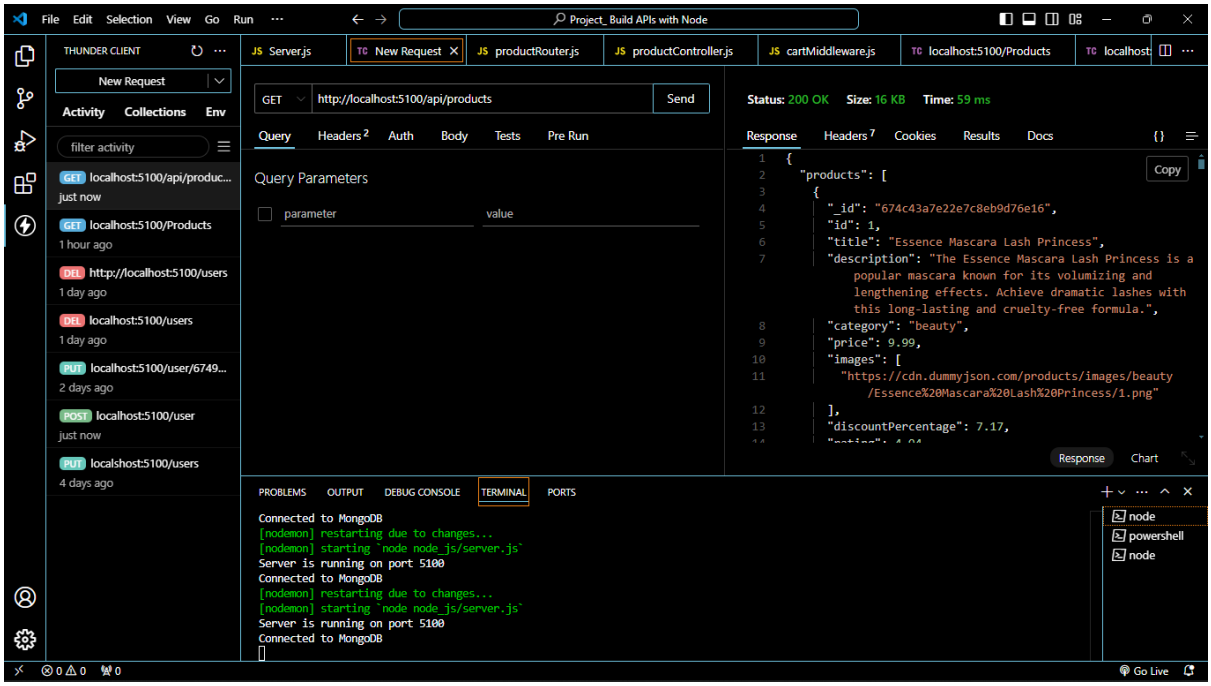
Inserted Products using api :- POST /sendData



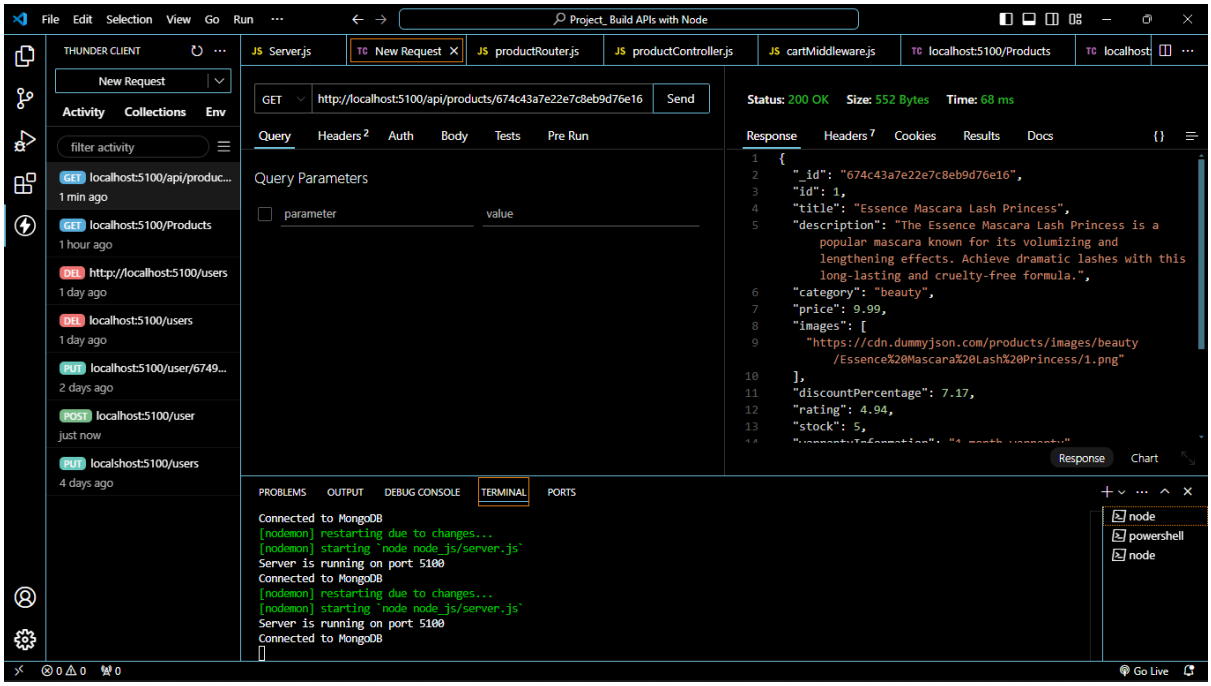
After inserting data my database :-



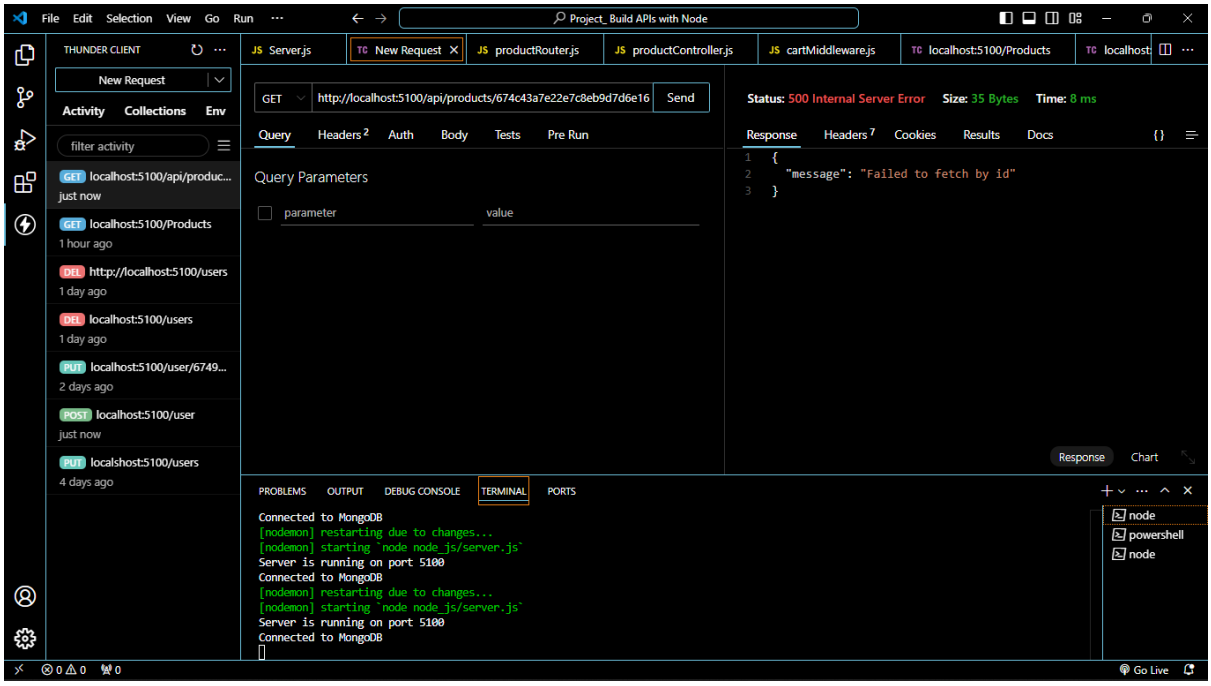
○ **GET /products:** Fetch a list of products from MongoDB.



○ **GET /products/** : Fetch details of a single product by its ID.

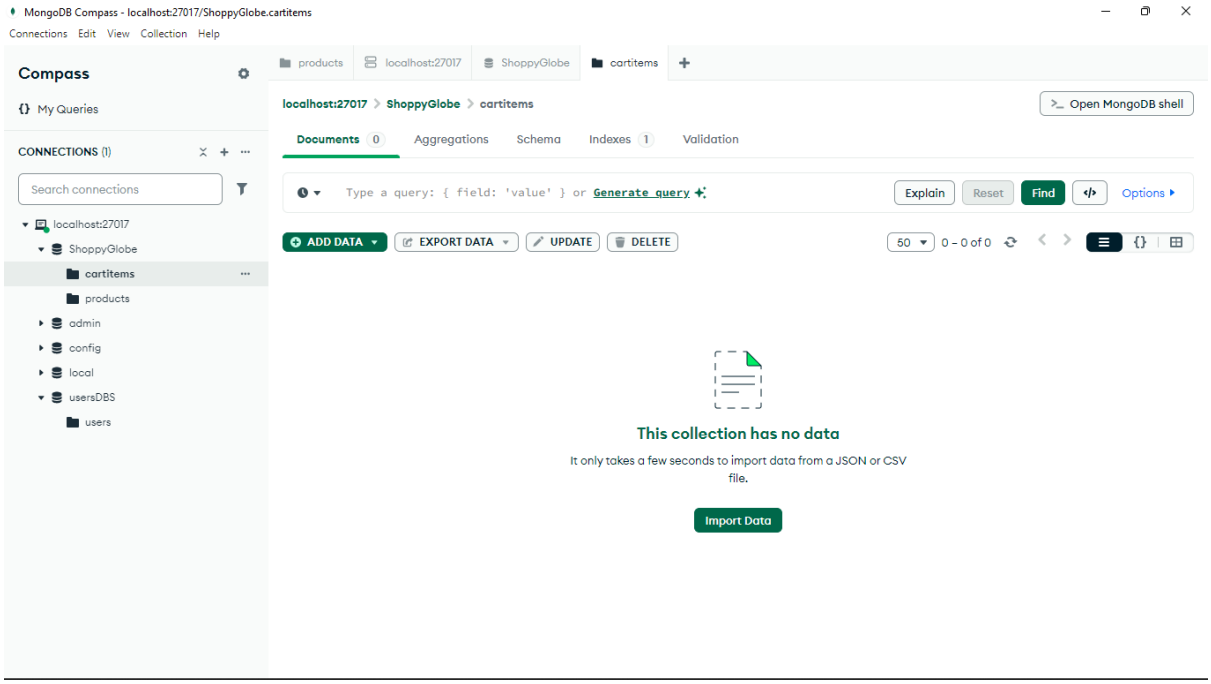


if id does not exists :-

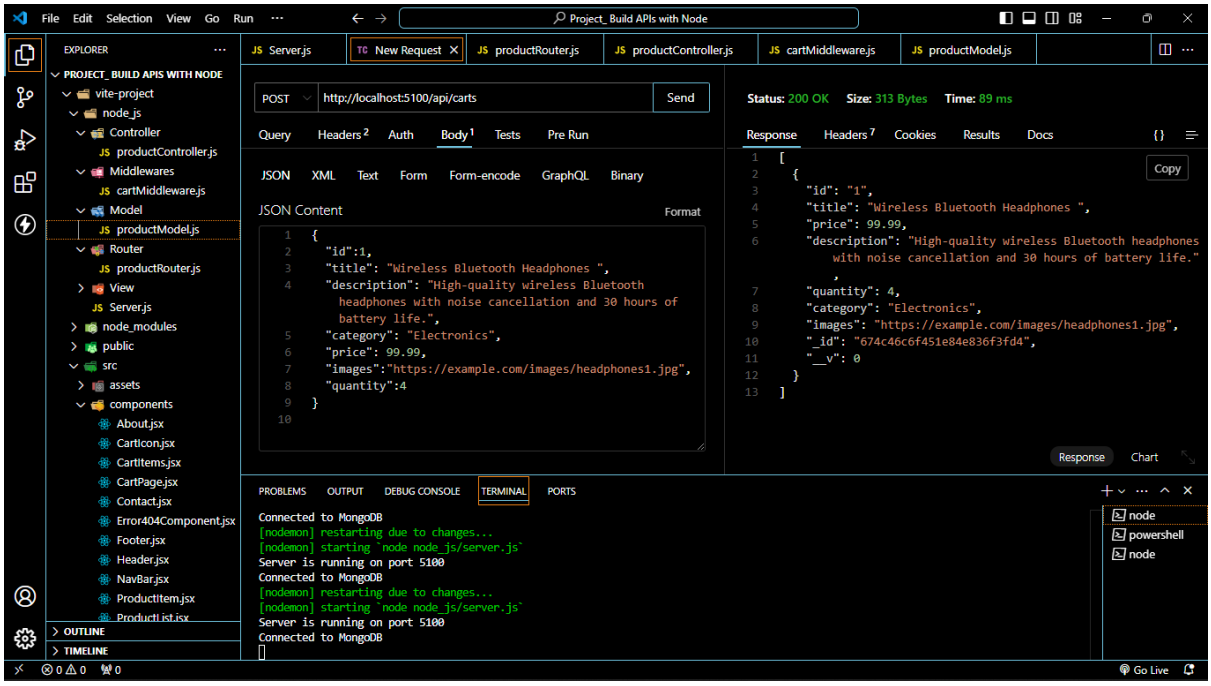


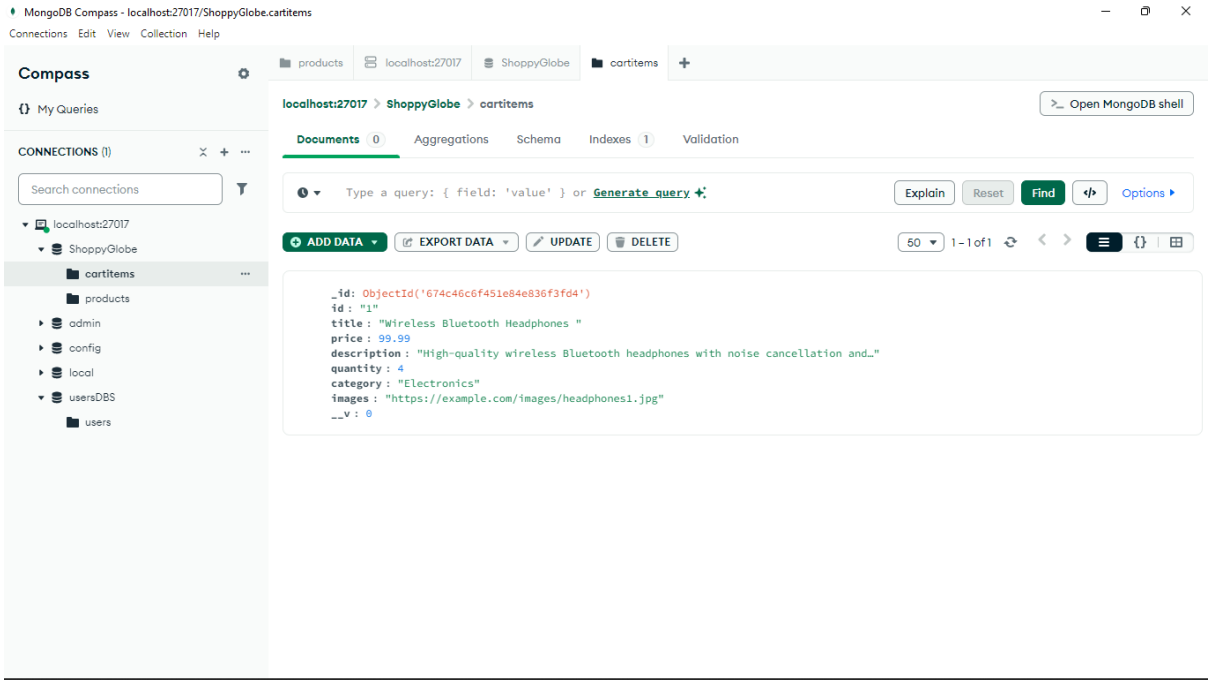
○ **POST /cart**: Add a product to the shopping cart.

Initial cart collection in database :-

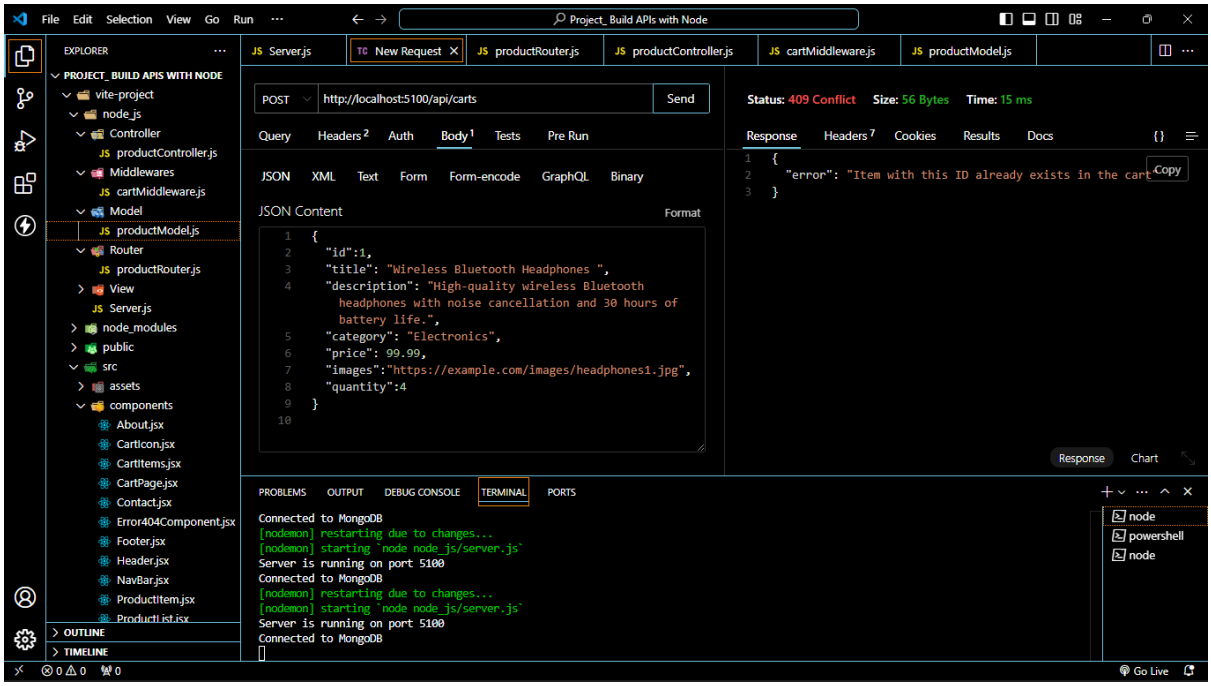


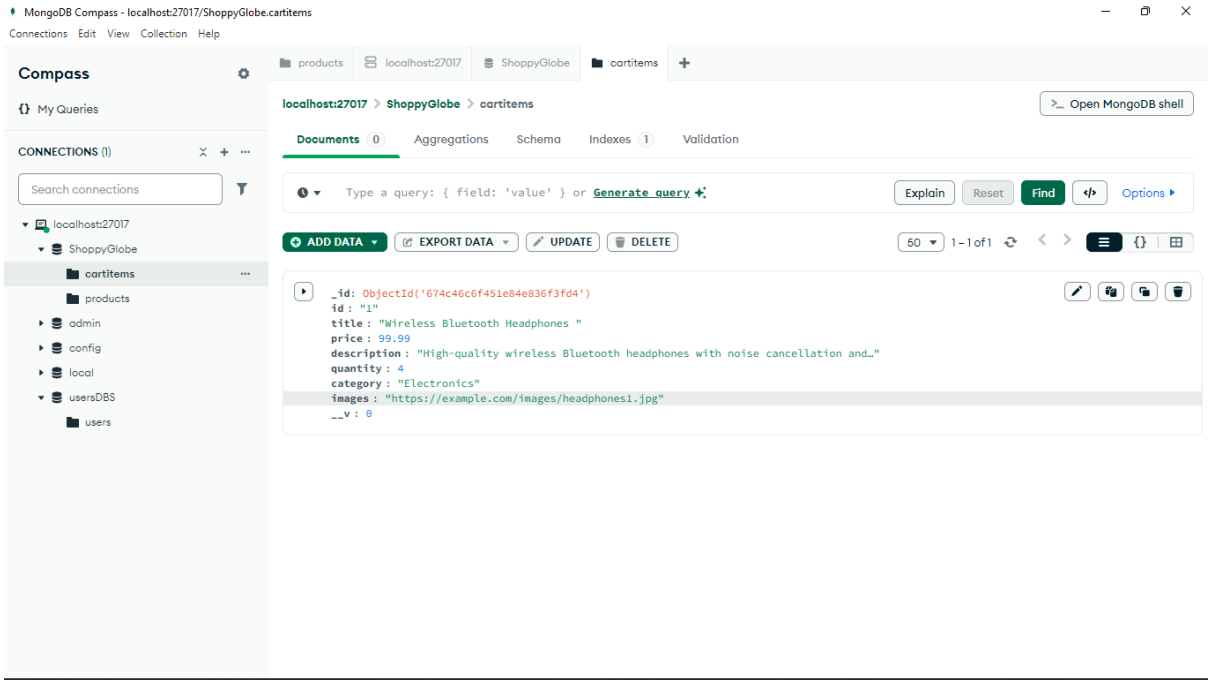
POST /cart: Add a product to the shopping cart.



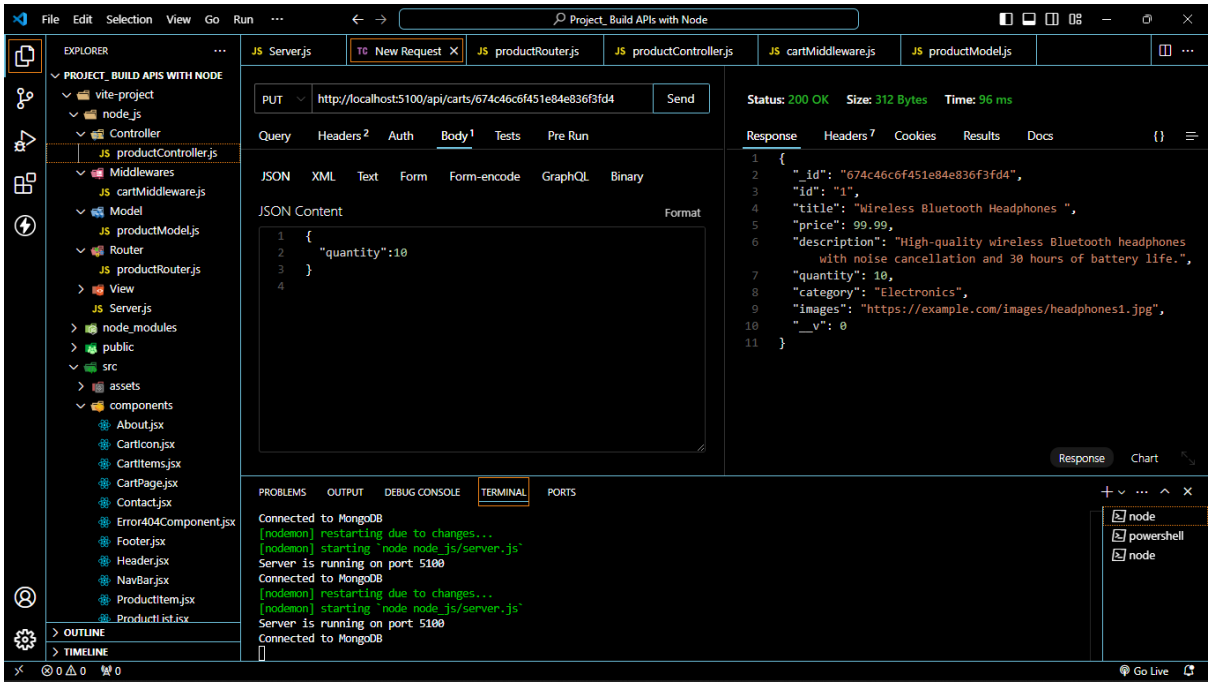


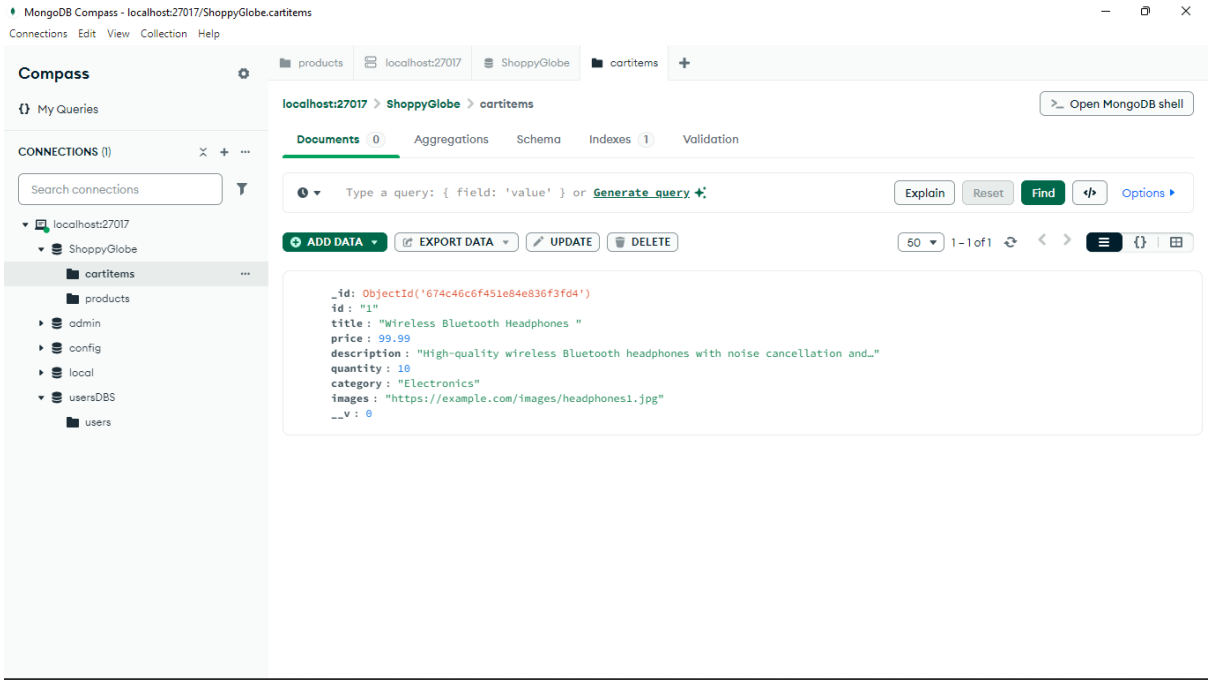
● Validate input data (e.g., check if product ID exists before adding to cart).



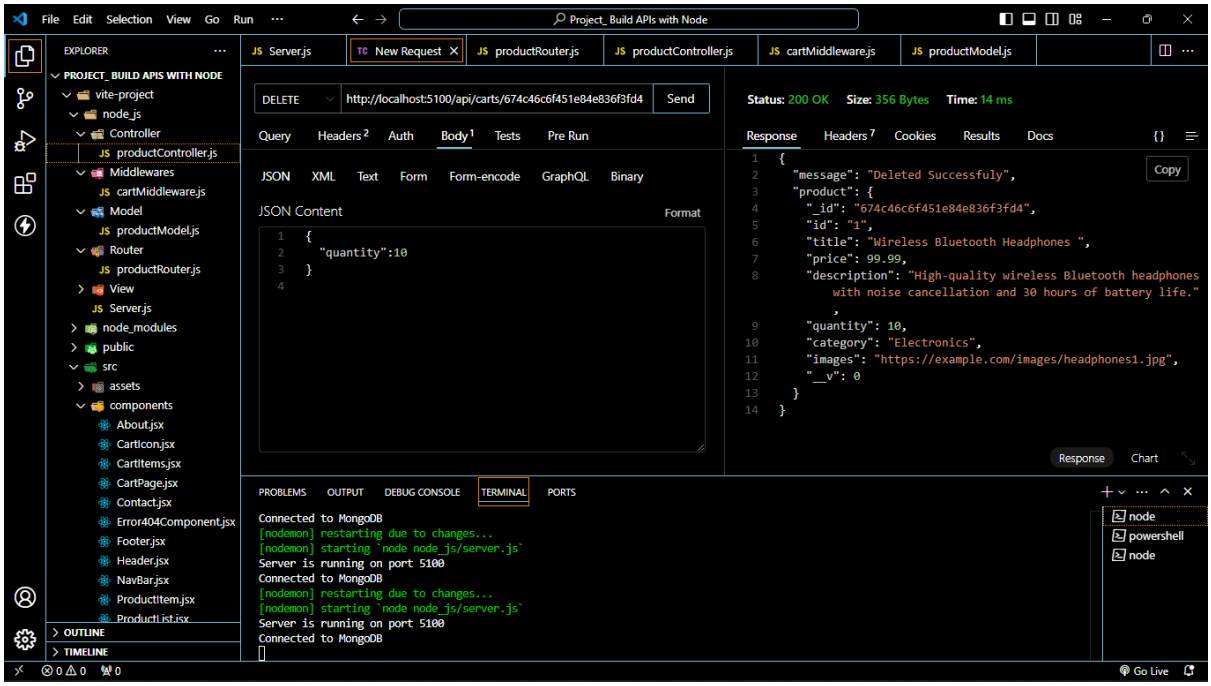


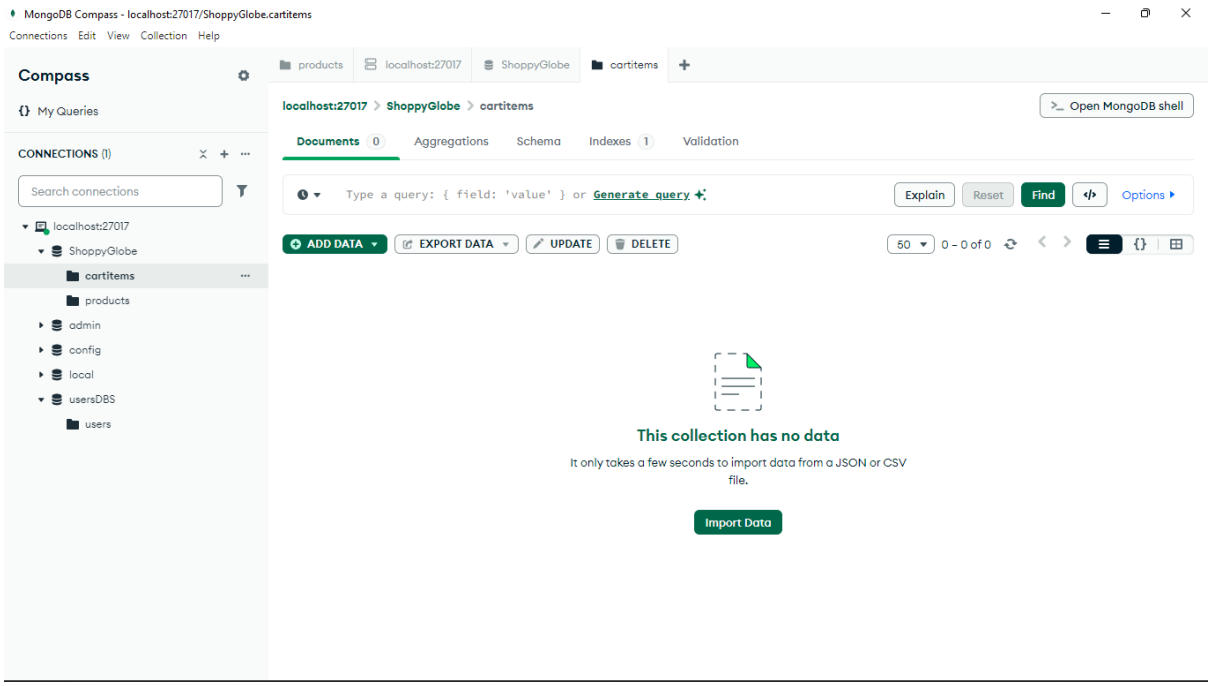
○ **PUT /cart/**: Update the quantity of a product in the cart.



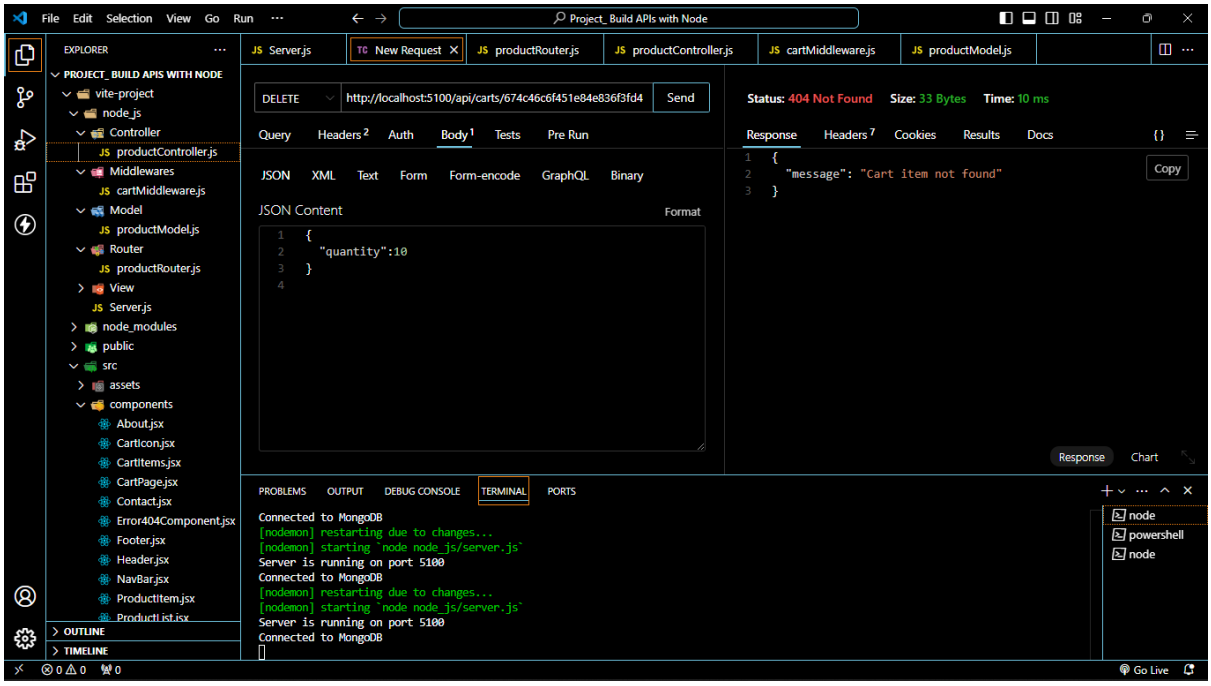


◯ DELETE /cart/ : Remove a product from the cart.





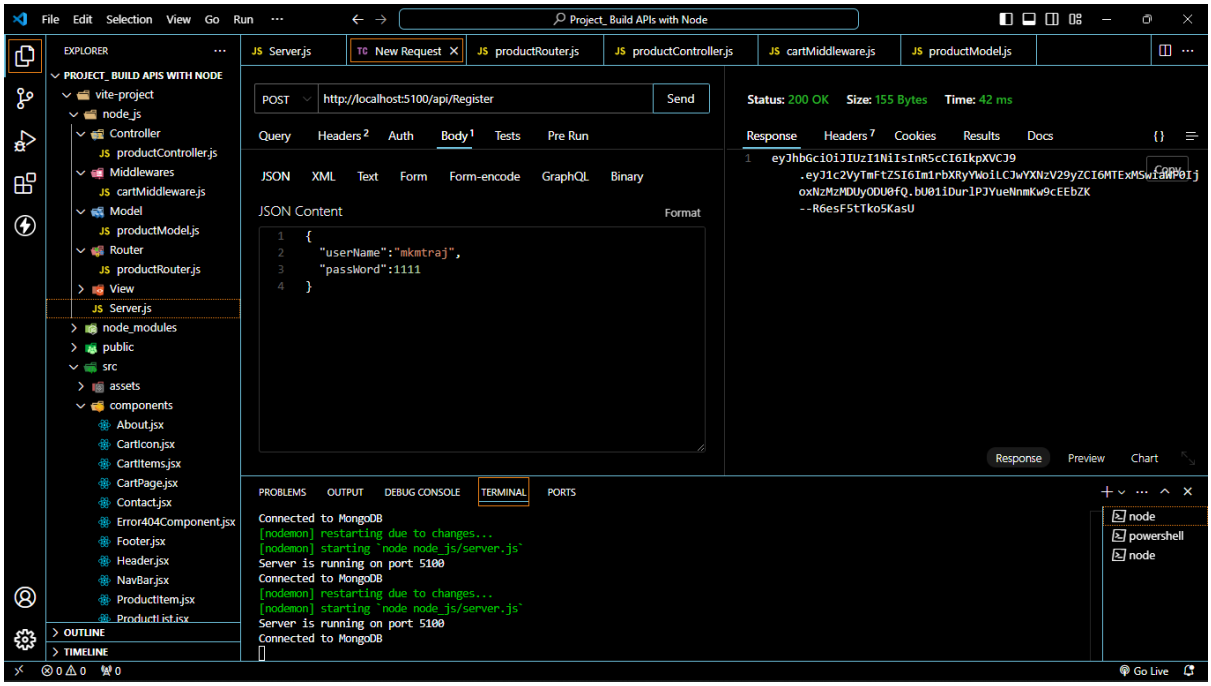
If item does not exists



....Added few items to cart for accessing using /Login

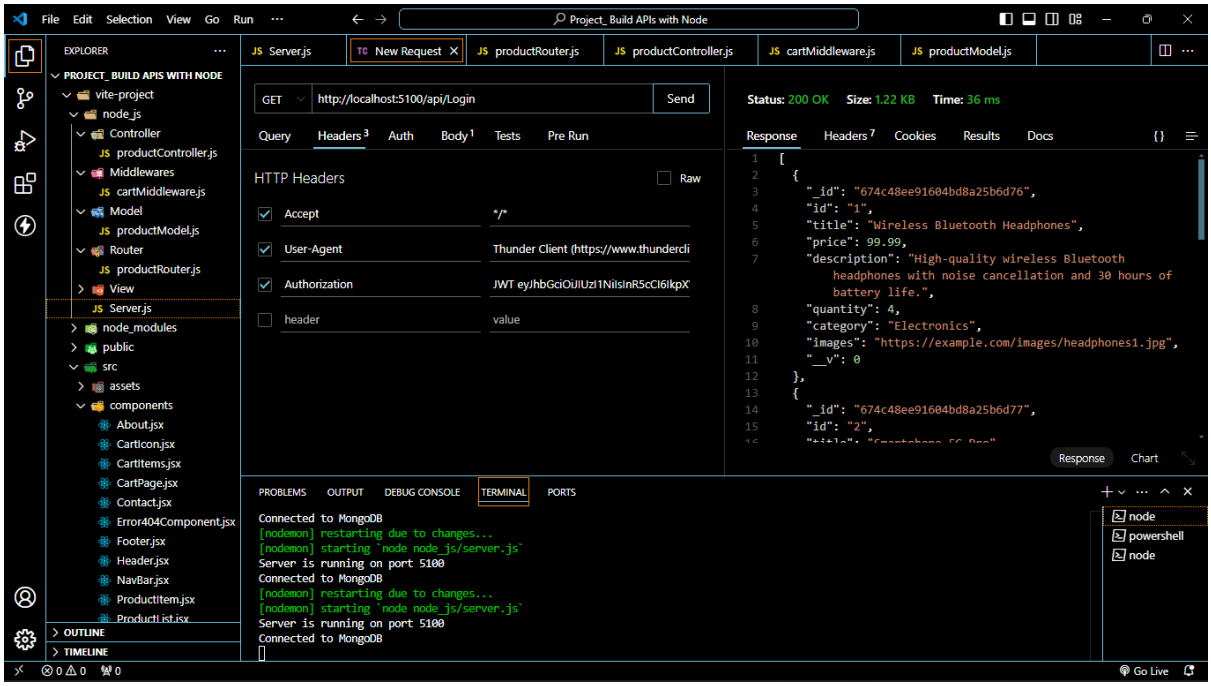
Authentication & Authorization

◯ **POST /register: Register a new user.**

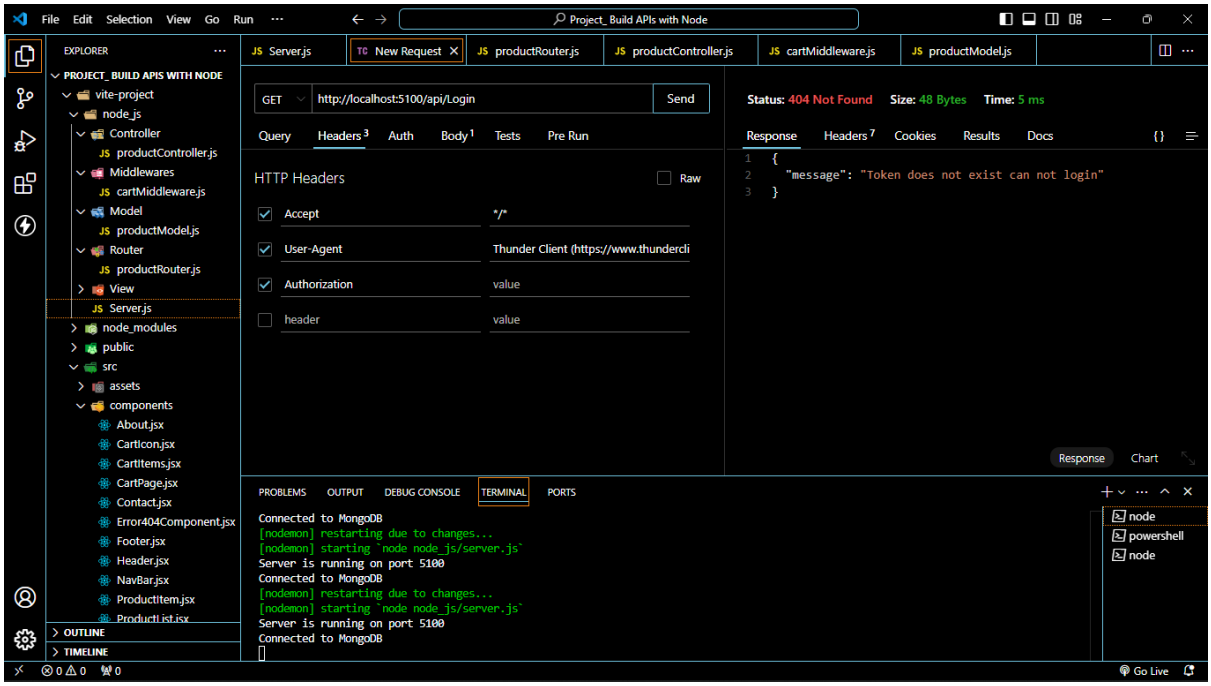


POST /login: Authenticate user and return a JWT token.

Protected cart routes, so only logged-in users can access them



If unauthorized person try to access cart items:-


File Edit Selection View Go Run
Project_Build APIs with Node
EXPLORER
PROJECT_BUILD APIS WITH NODE
vite-project
node_js
Controller
productController.js
Middlewares
cartMiddleware.js
Model
productModel.js
Router
productRouter.js
View
Server.js
node_modules
public
src
assets
components
About.jsx
CartIcon.jsx
CartItems.jsx
CartPage.jsx
Contact.jsx
Error404Component.jsx
Footer.jsx
Header.jsx
NavBar.jsx
ProductItem.jsx
ProductList.jsx
OUTLINE
TIMELINE
Server.js
New Request
productRouter.js
productController.js
cartMiddleware.js
productModel.js
GET
http://localhost:5100/api/Login
Send
Query
Headers 3
Auth
Body 1
Tests
Pre Run
HTTP Headers
Raw
Accept
/
User-Agent
Thunder Client (https://www.thunderclient
Authorization
value
header
value
Status: 404 Not Found
Size: 48 Bytes
Time: 5 ms
Response
Headers 7
Cookies
Results
Docs
{ }
{
"message": "Token does not exist can not login"
}
Response
Chart
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
Connected to MongoDB
[nodemon] restarting due to changes...
[nodemon] starting `node node_js/server.js`
Server is running on port 5100
Connected to MongoDB
[nodemon] restarting due to changes...
[nodemon] starting `node node_js/server.js`
Server is running on port 5100
Connected to MongoDB
node
powershell
node
Go Live