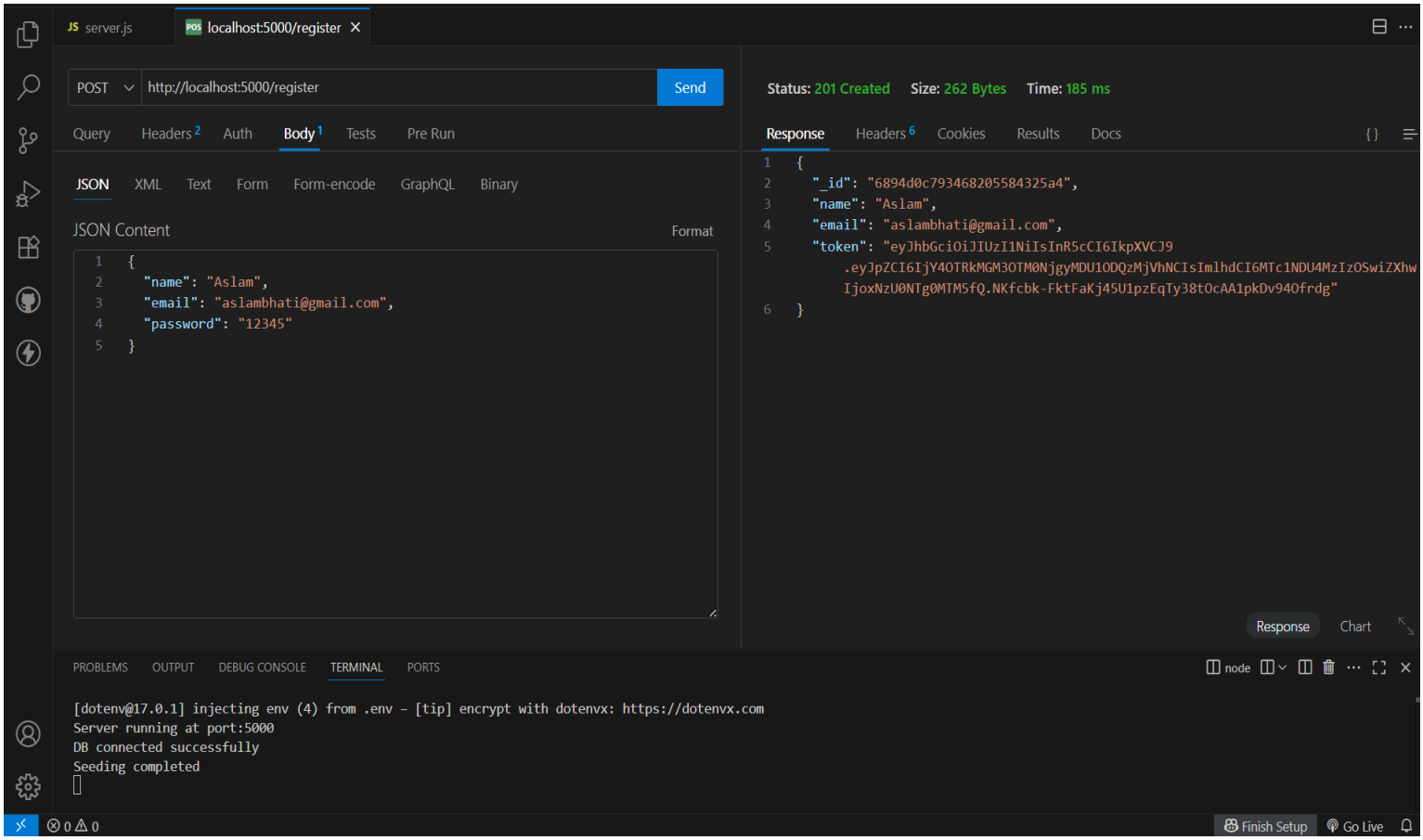
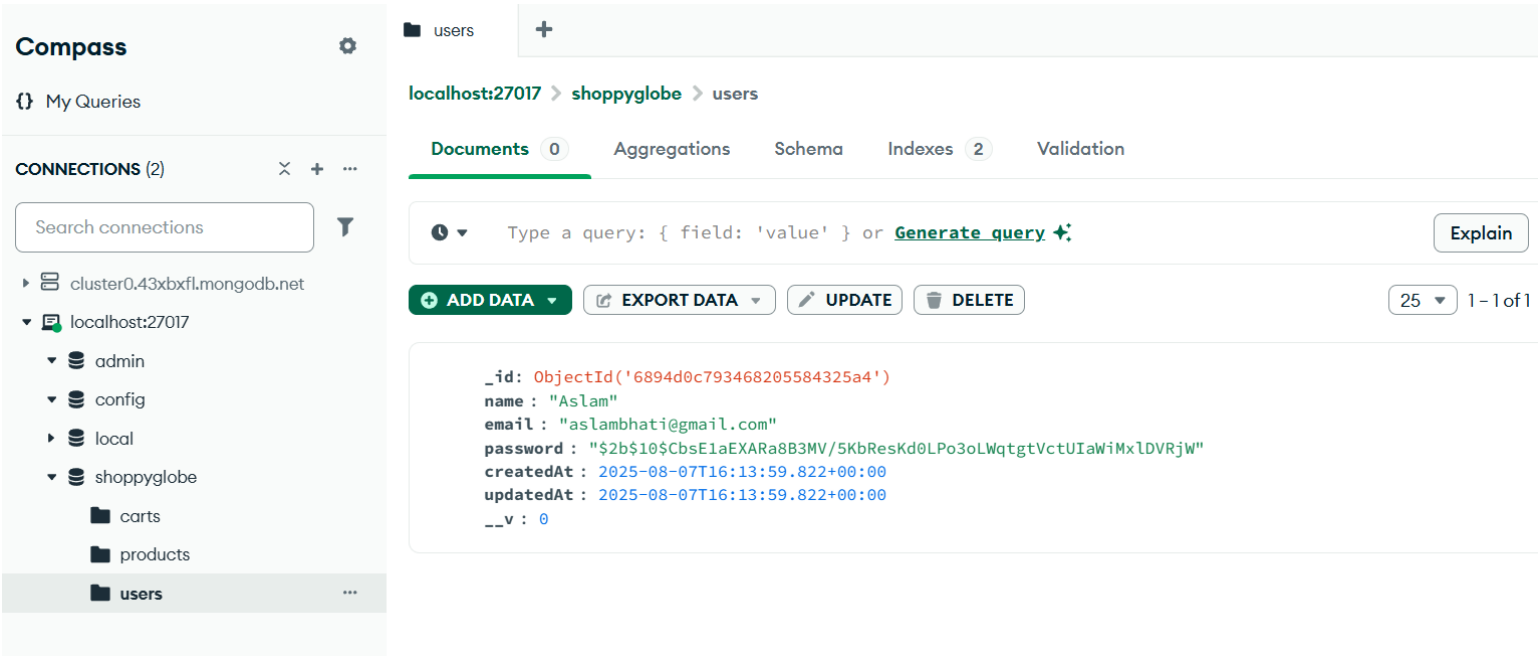
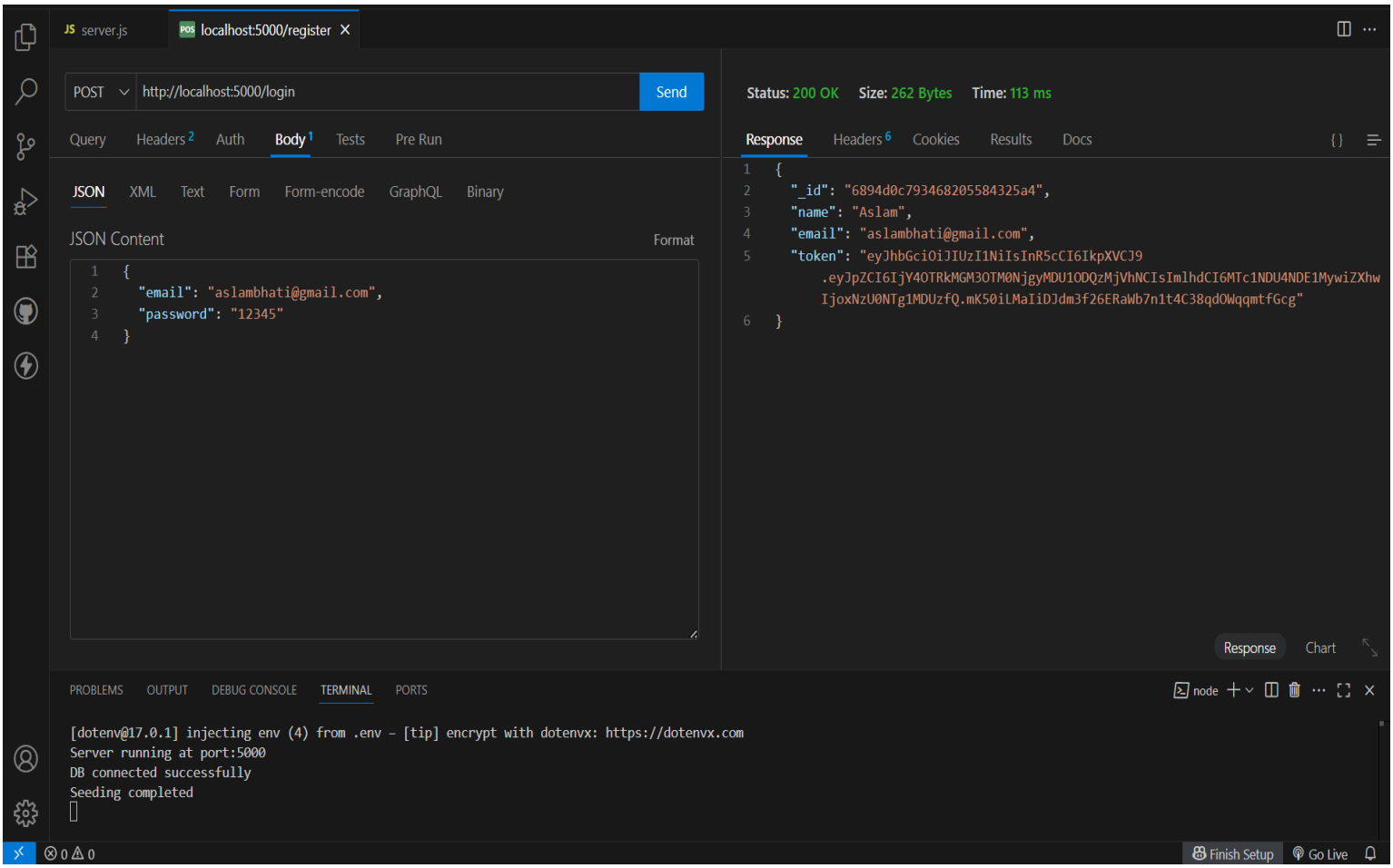
# APIs with Node.js & Express.js for ShoppyGlobe

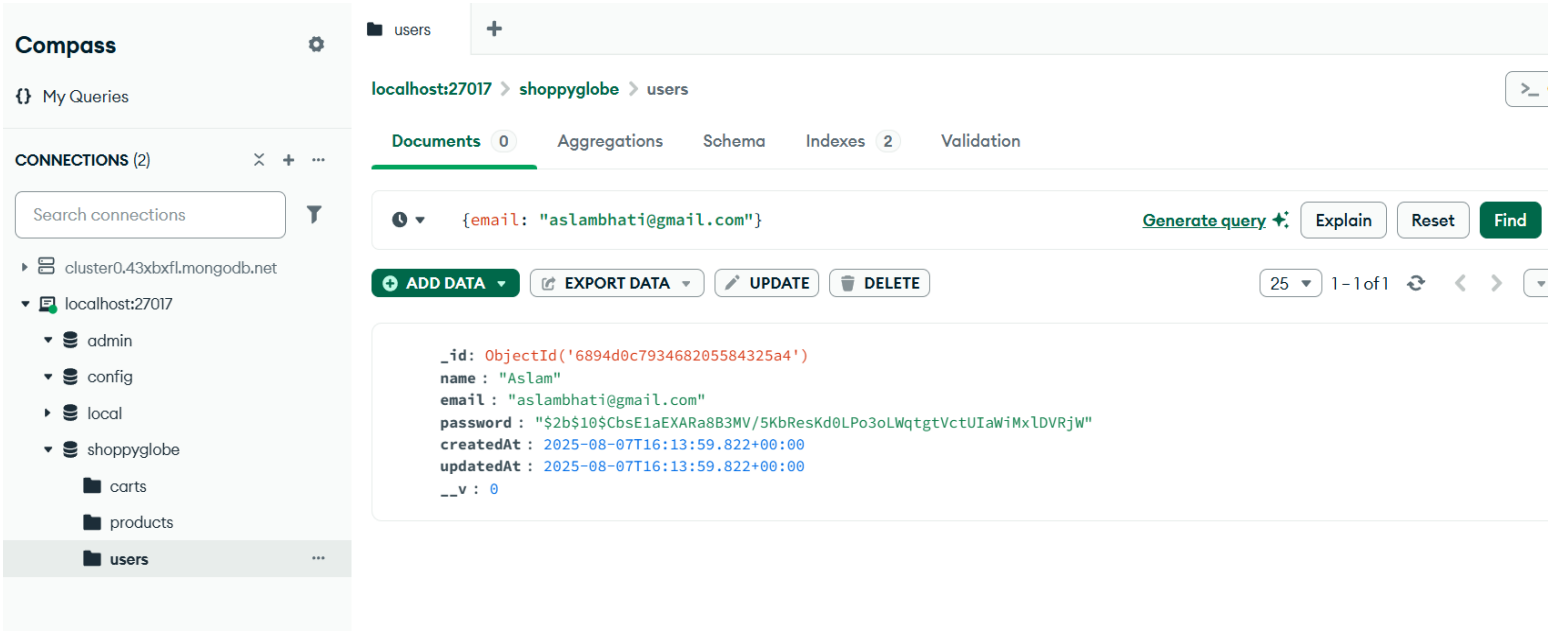
- **POST /register**
  - Register a new user



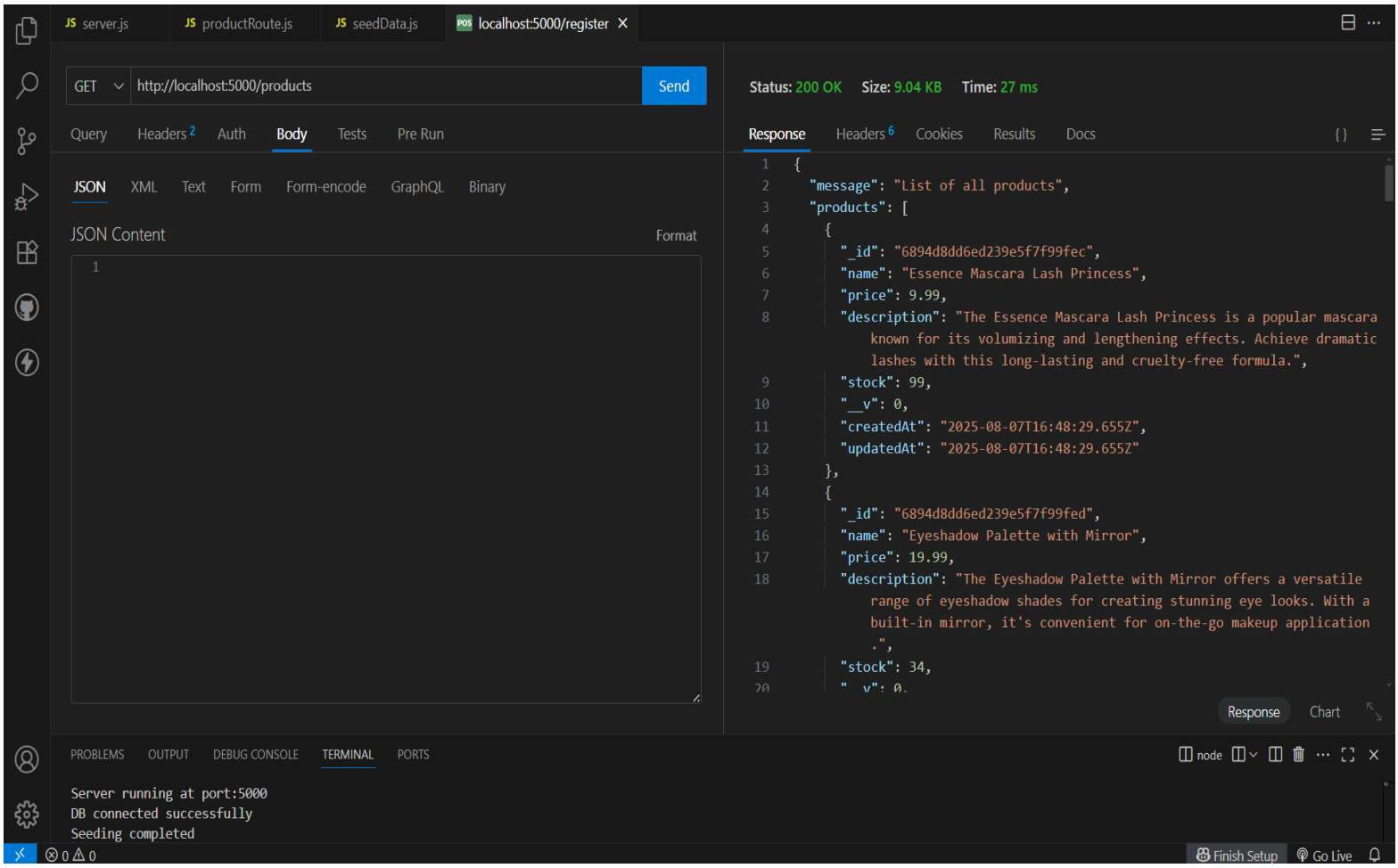



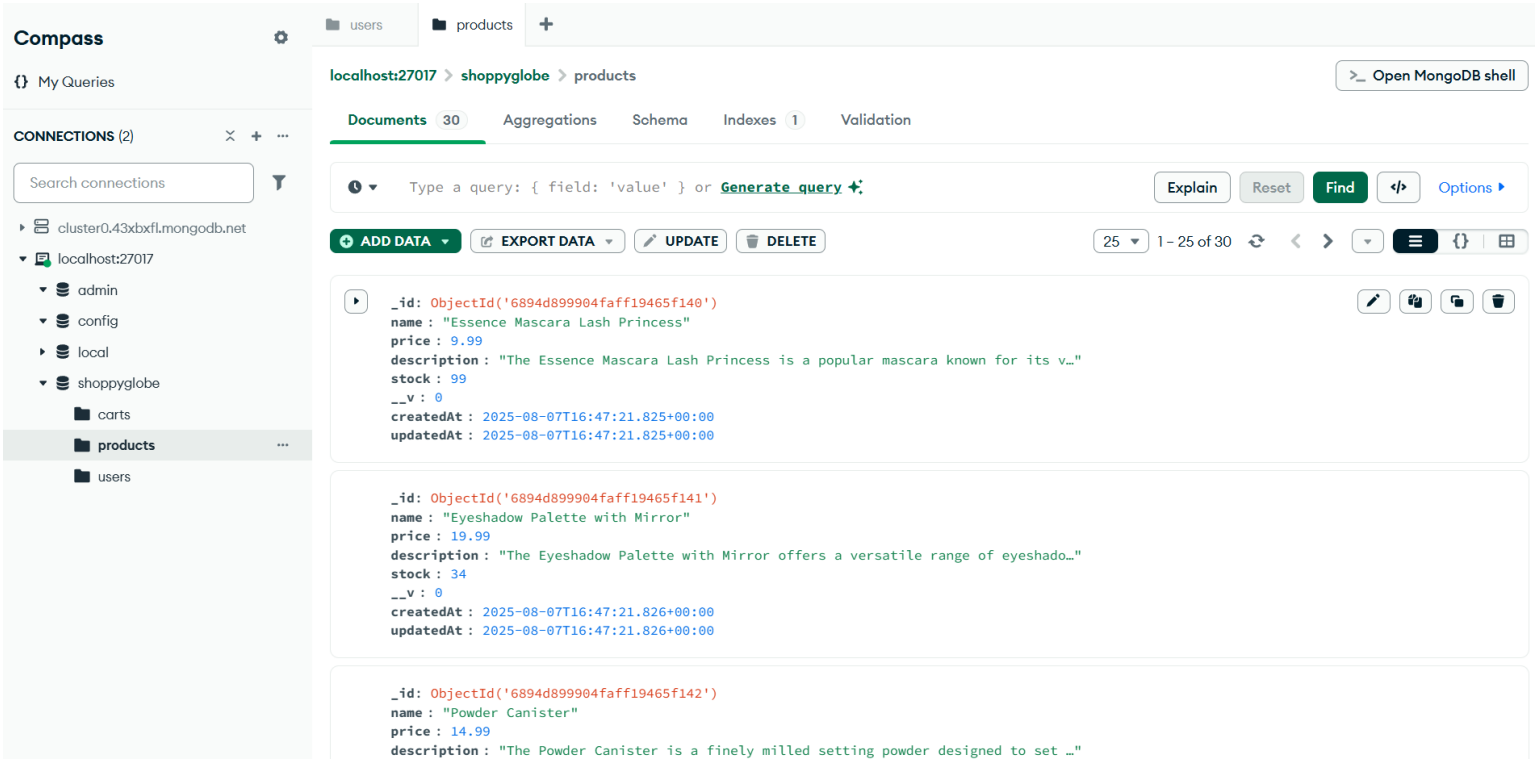
- **POST /login**
  - Authenticate user and return a JWT token.



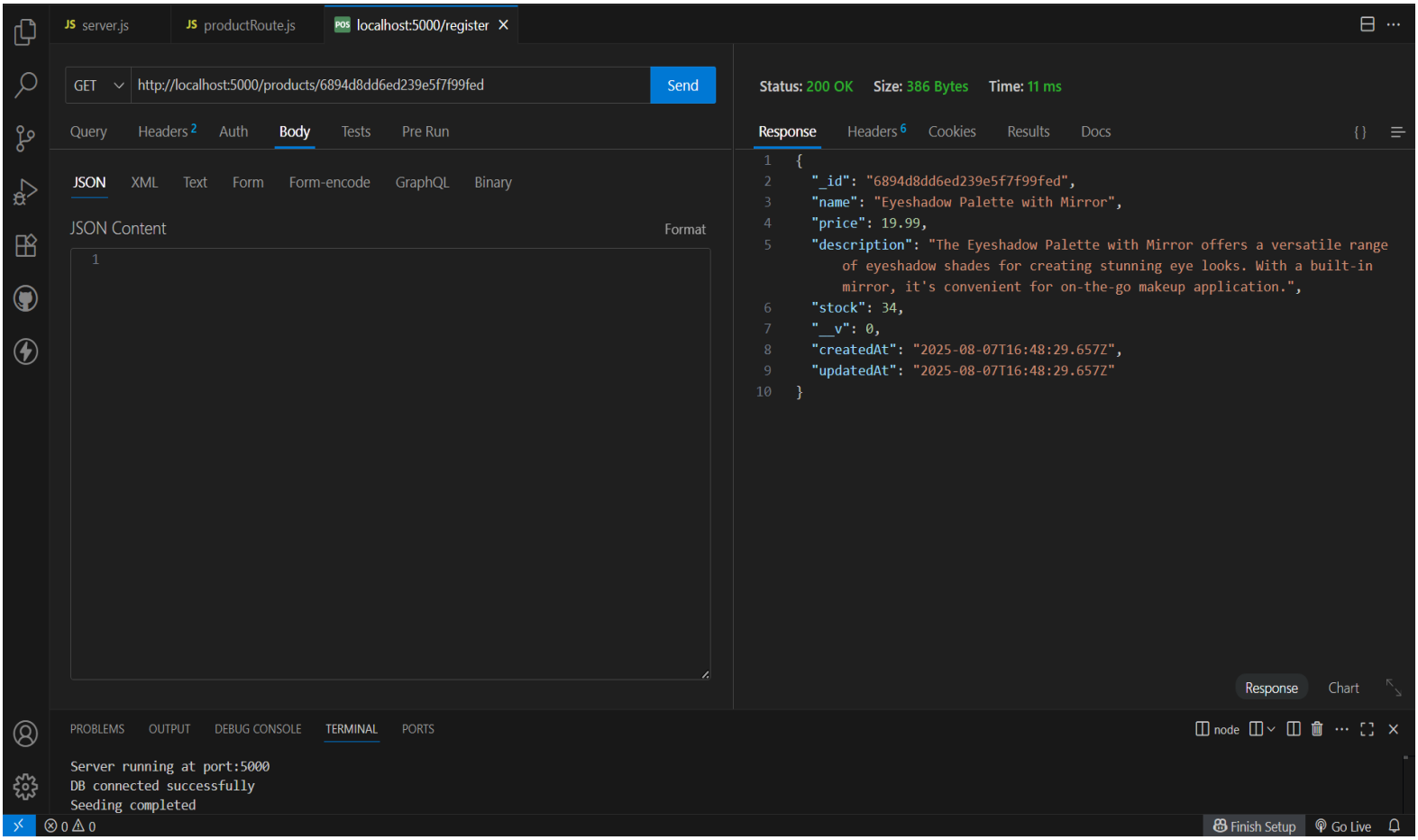
- **GET /products**
  - Fetch all products list.

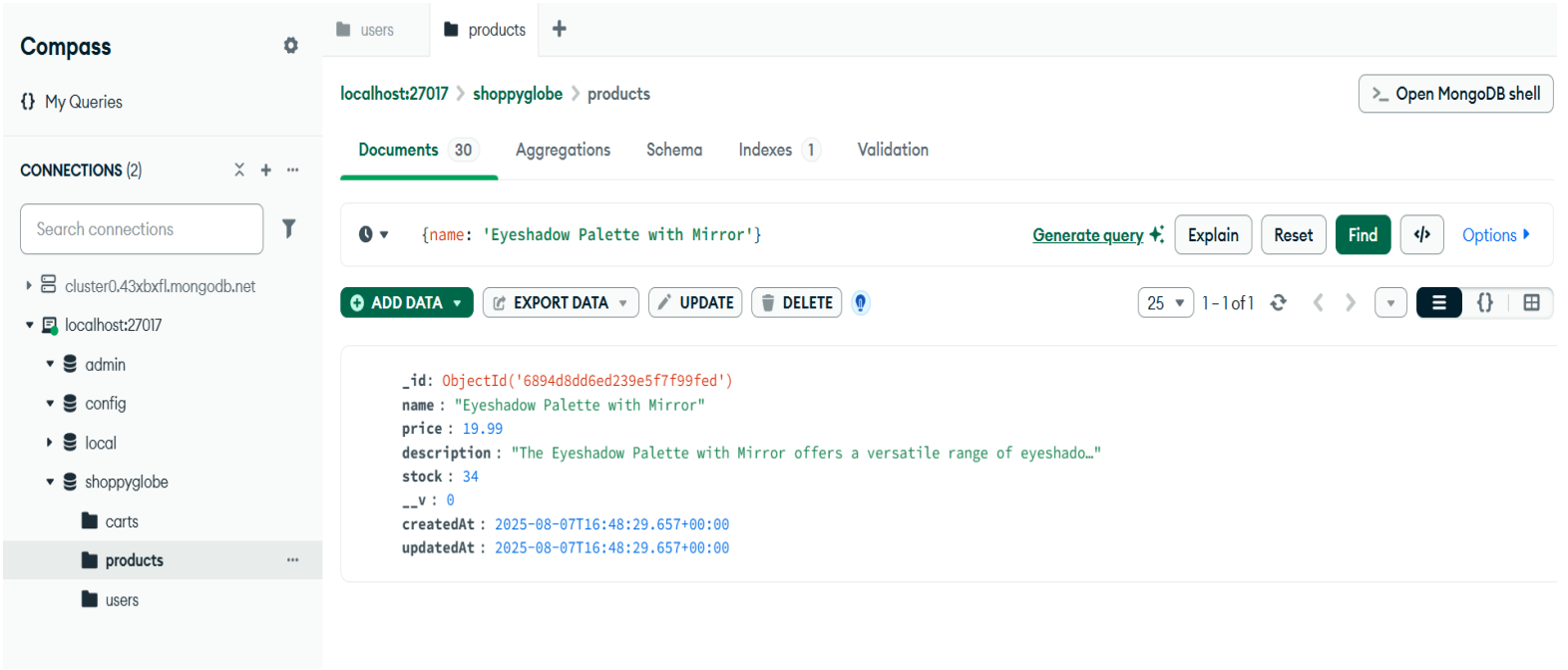


## ➢ GET /products/:id

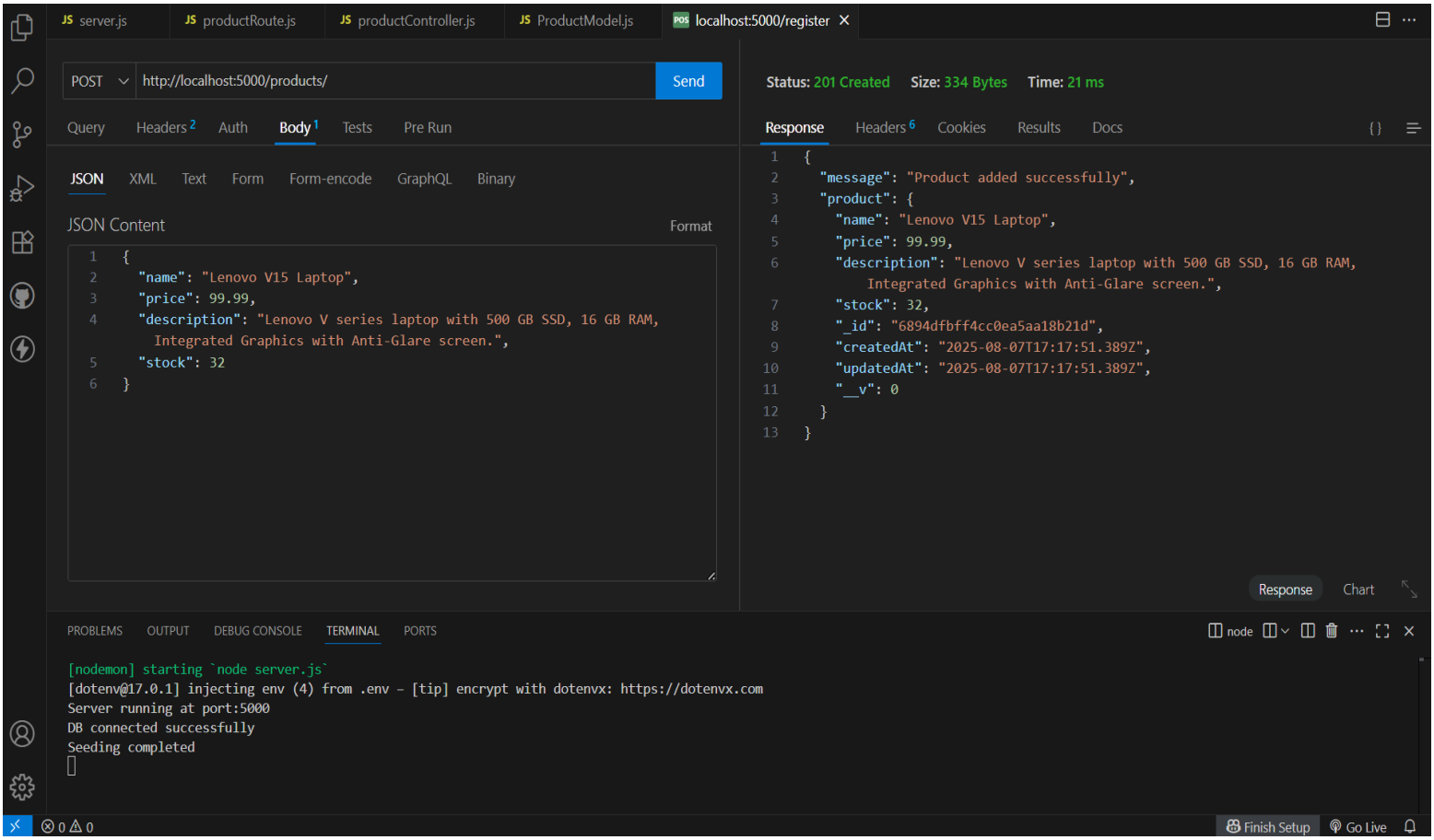
- Fetch details of a single product by MongoDB ObjectId

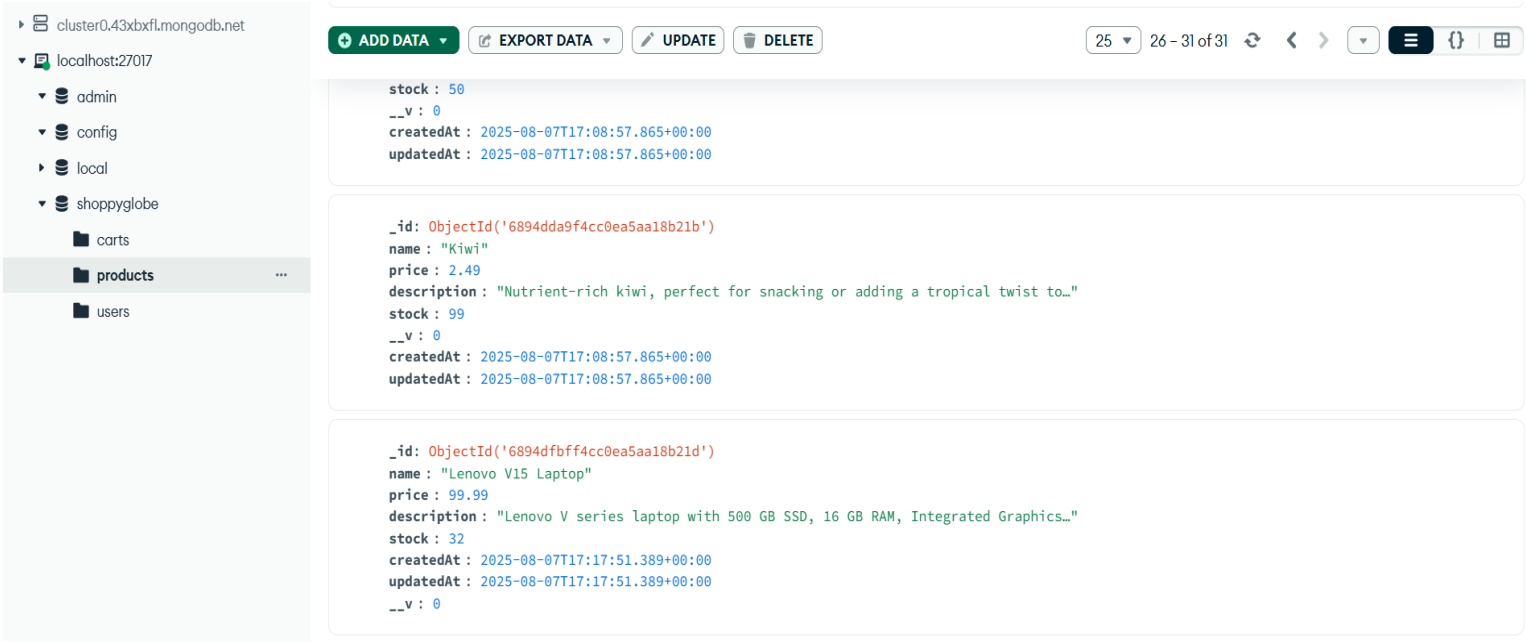


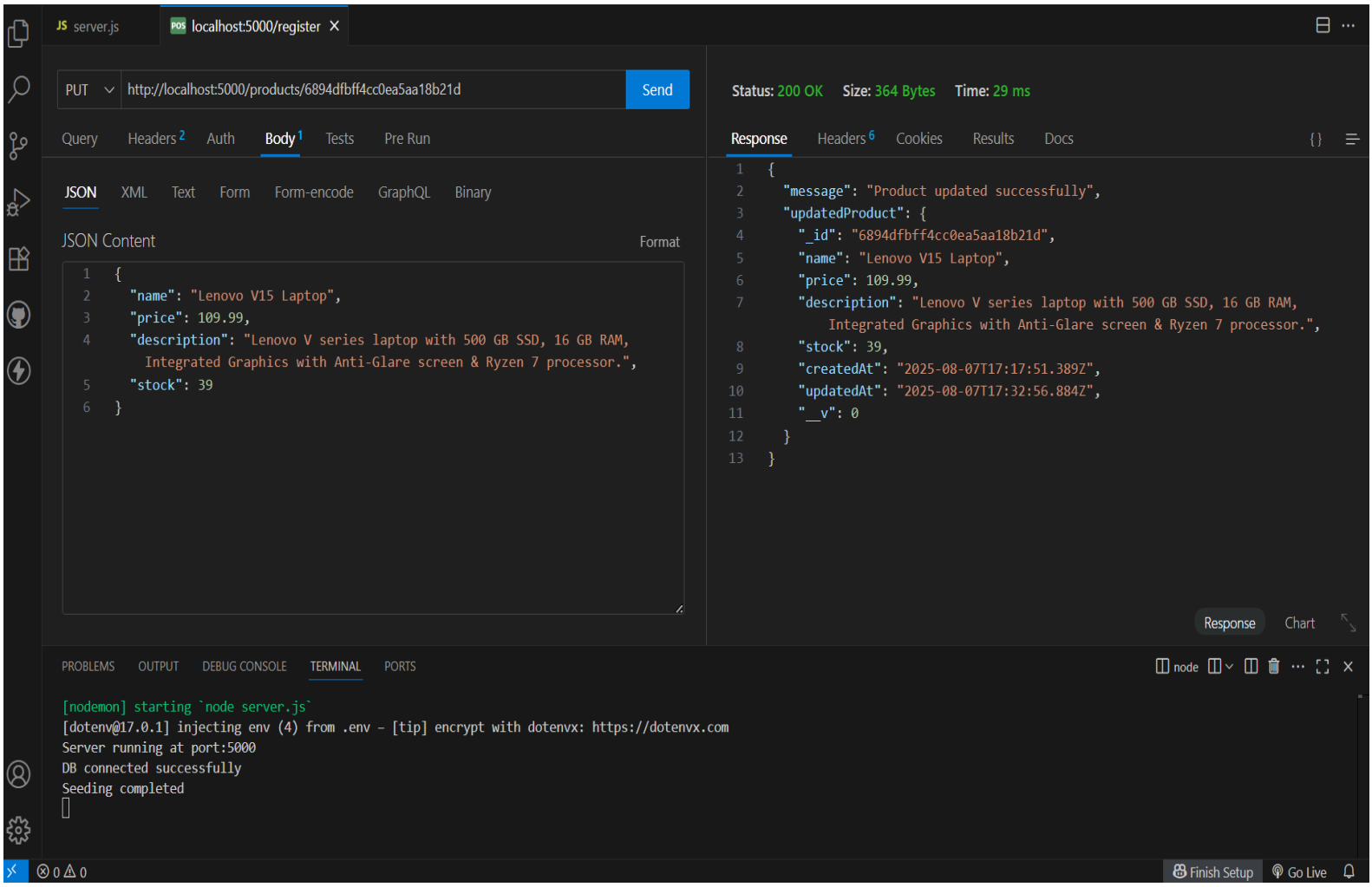
## ➢ POST /products/

- Add a new product in the list.



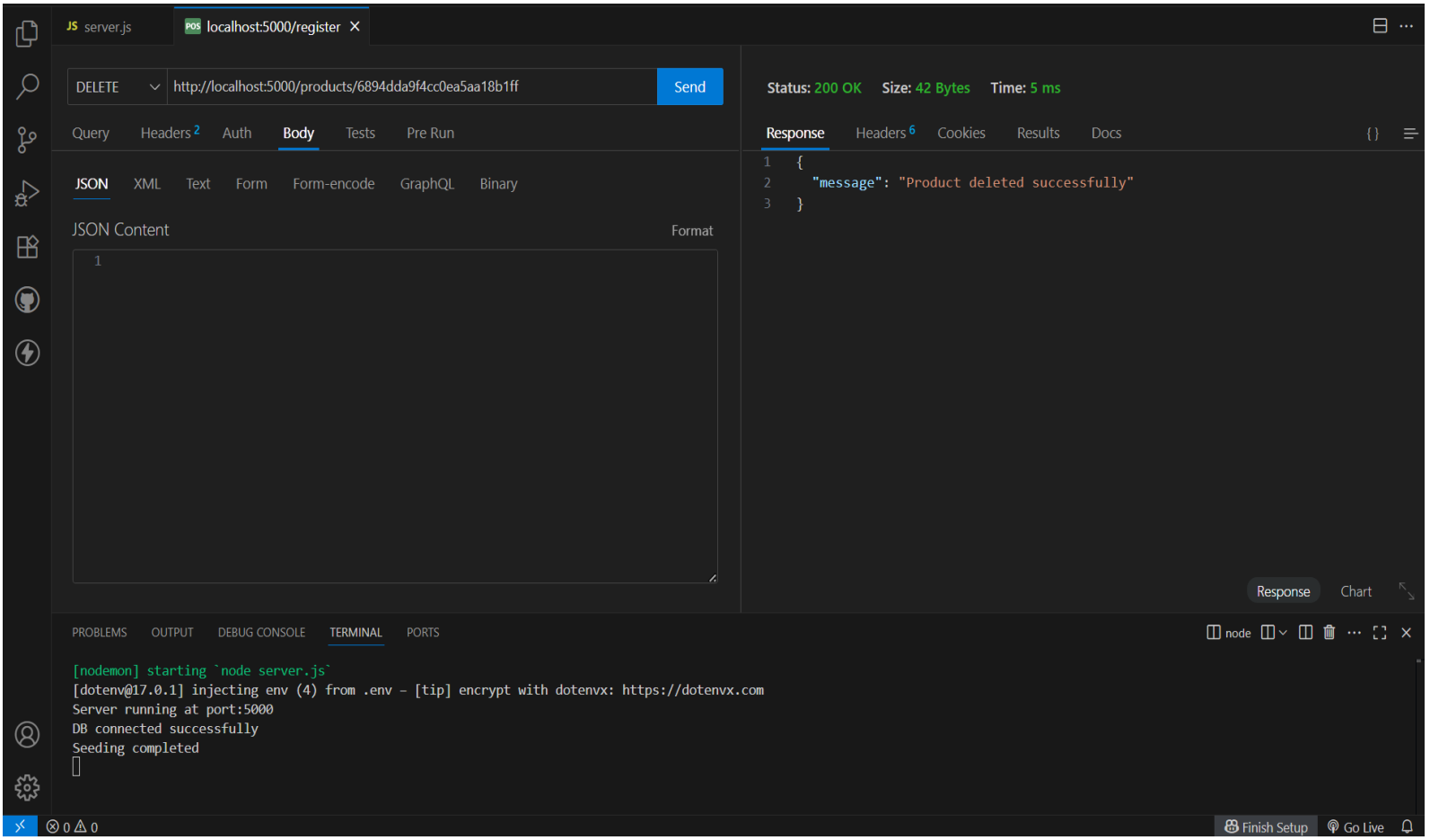



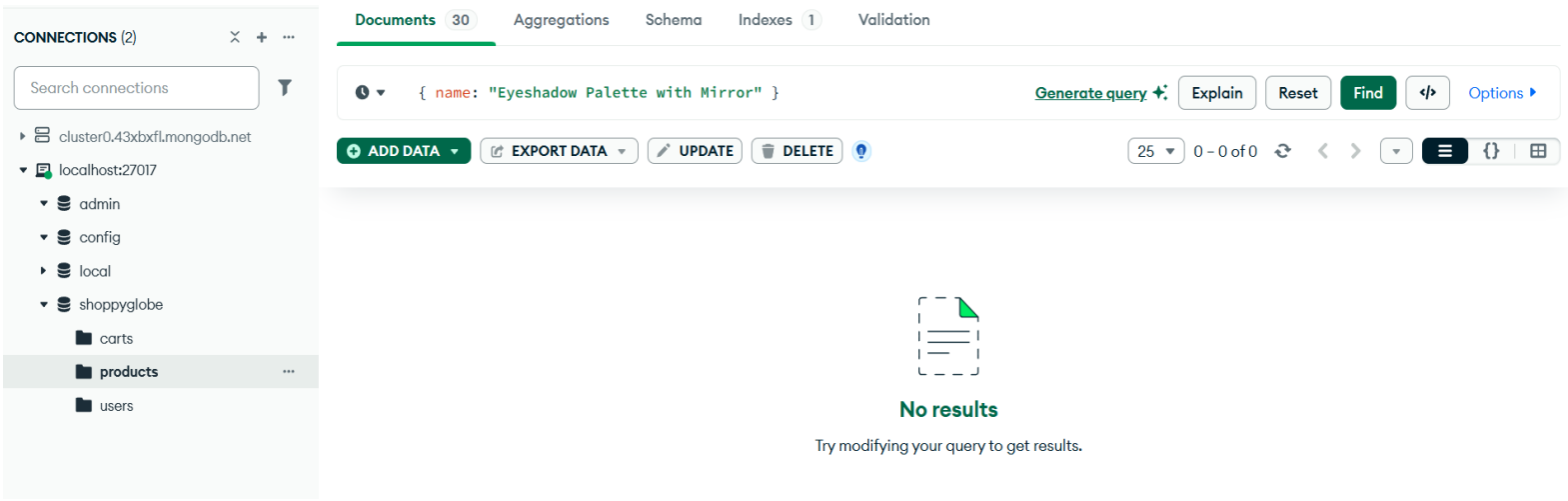
- **PUT /products/:id**
  - Update a product by MongoDB ObjectId




```
_id: ObjectId('6894dfbff4cc0ea5aa18b21d')
name : "Lenovo V15 Laptop"
price : 109.99
description : "Lenovo V series laptop with 500 GB SSD, 16 GB RAM, Integrated Graphics…"
stock : 39
createdAt : 2025-08-07T17:17:51.389+00:00
updatedAt : 2025-08-07T17:32:56.884+00:00
__v : 0
```

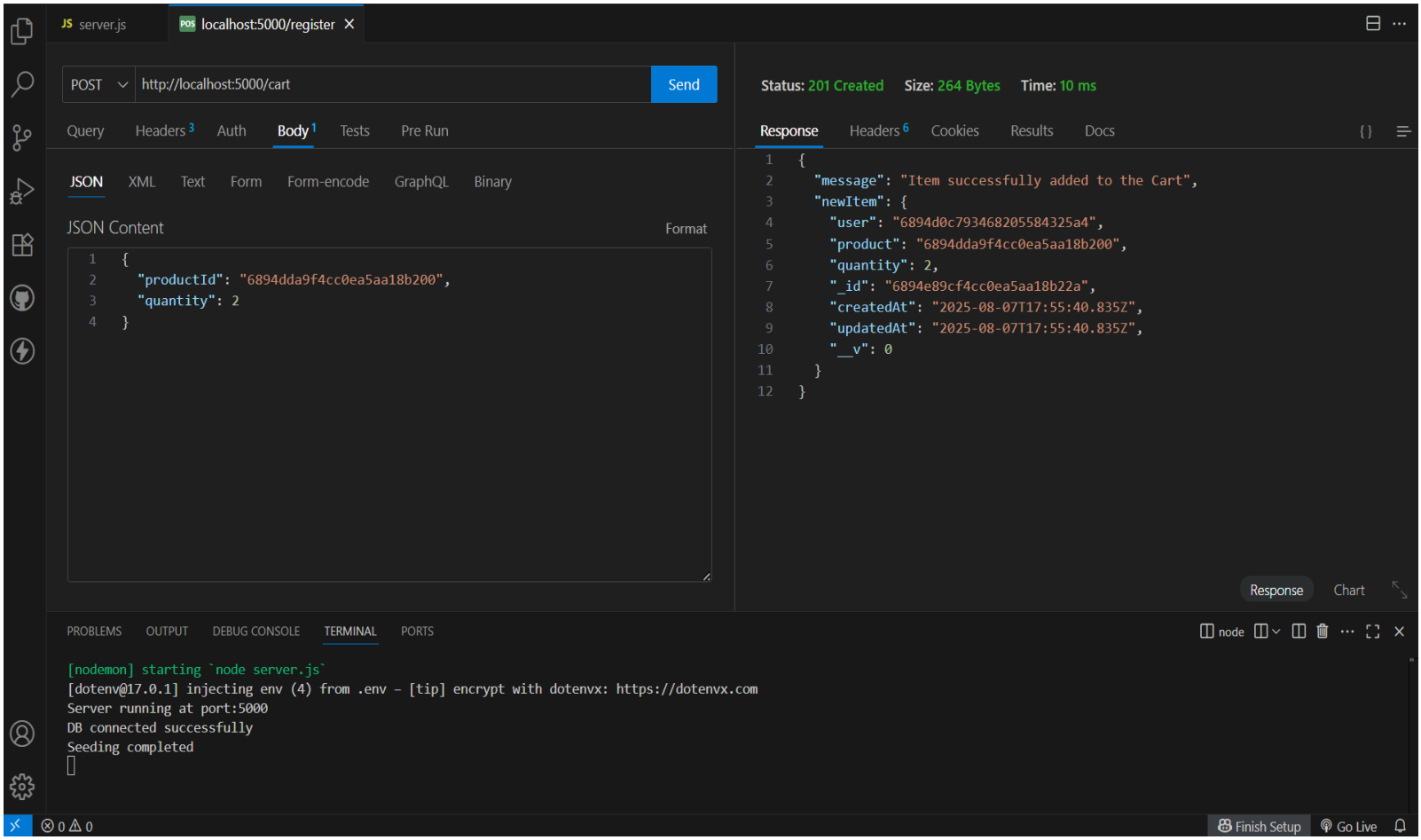
- **DELETE /products/:id**
  - Delete an individual product by its objectId.

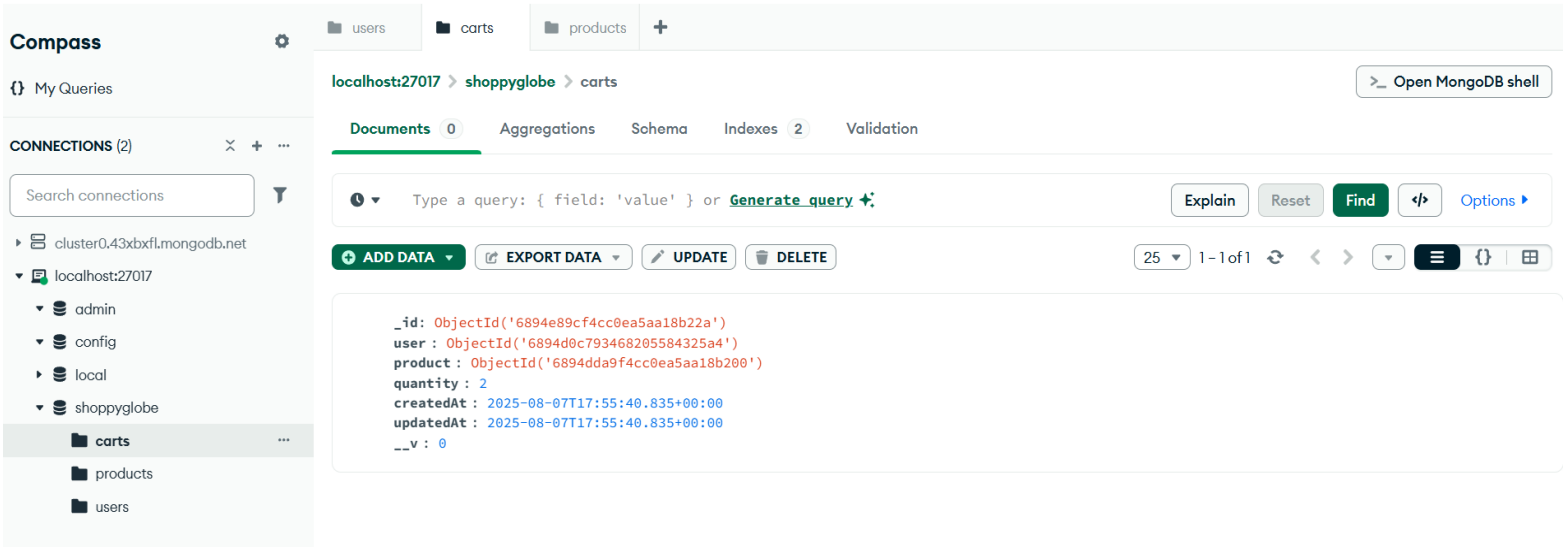


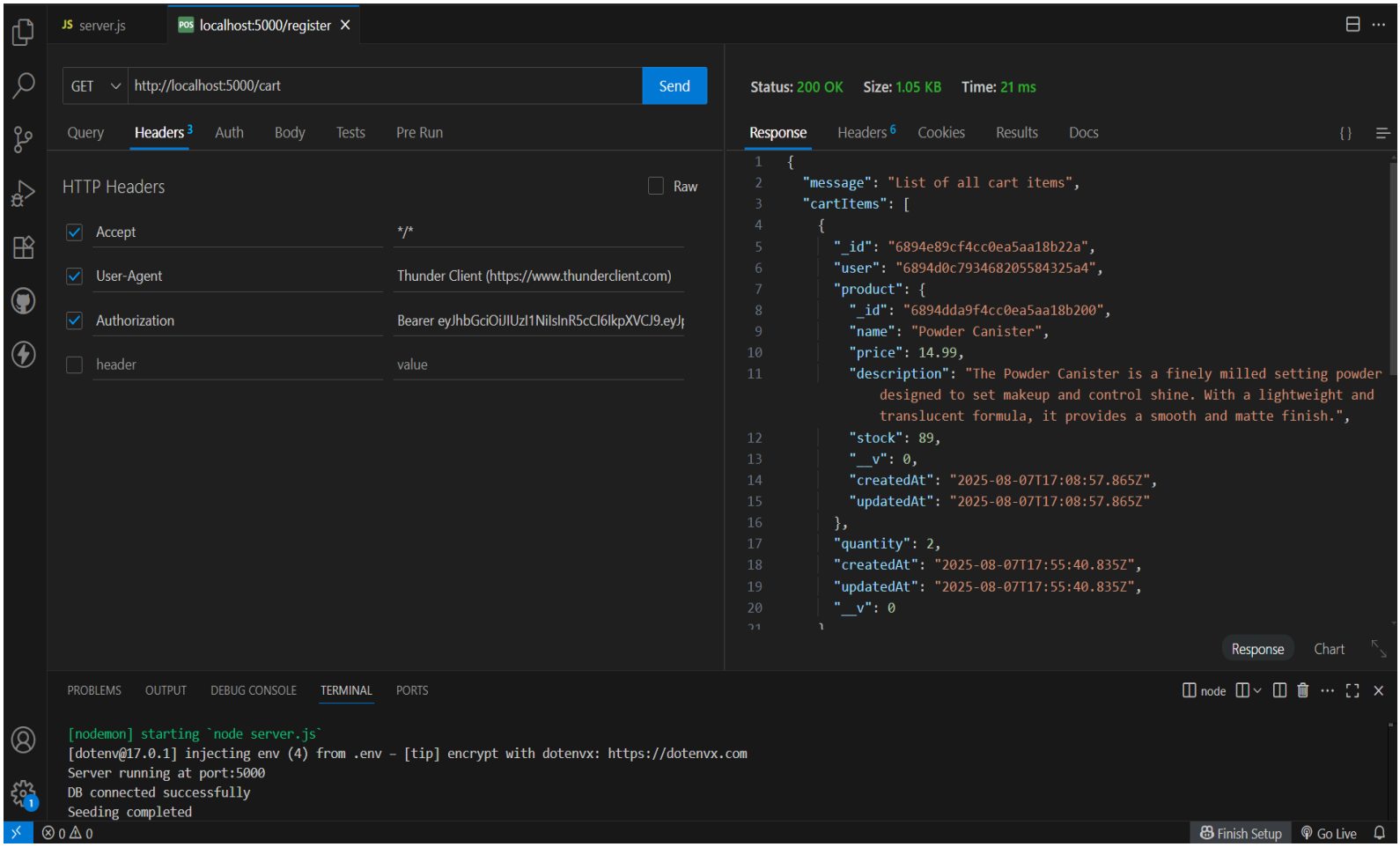
## ➢ POST /cart

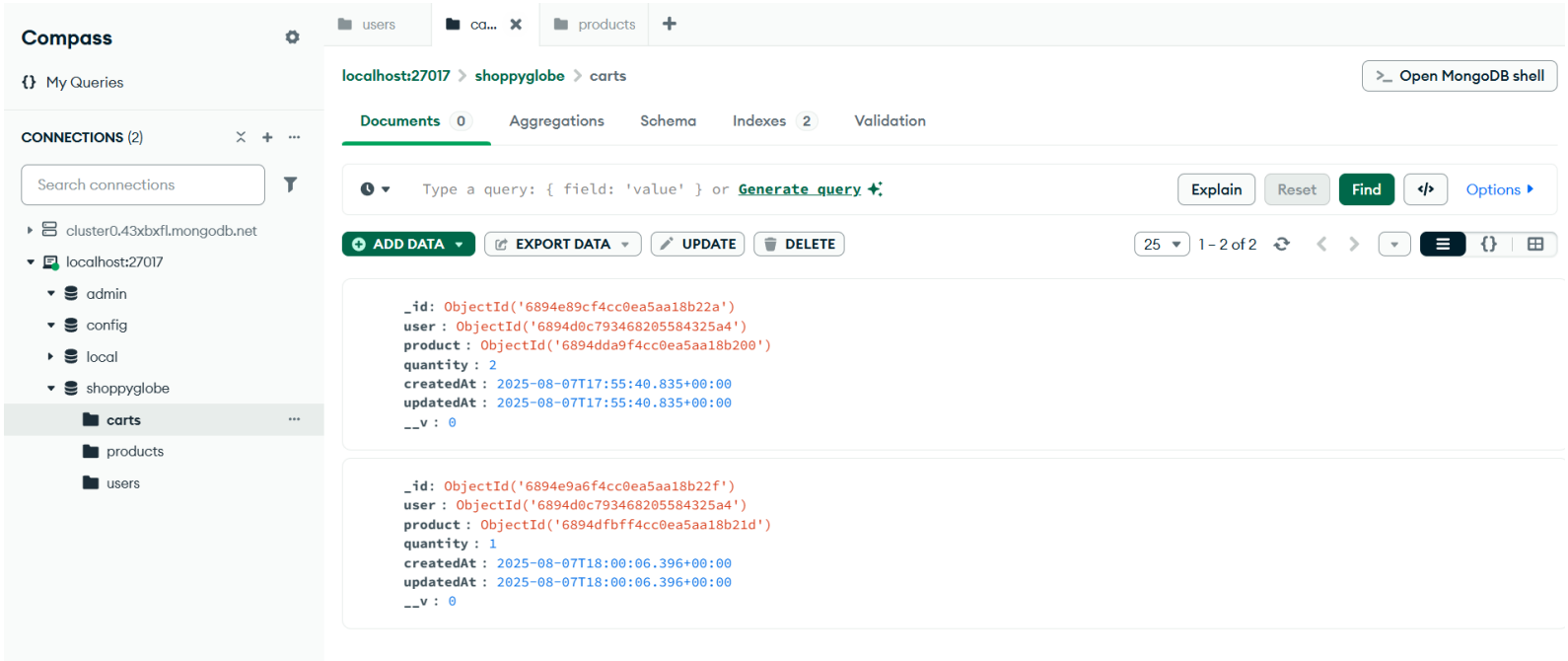
- Add a new product to the shopping cart.



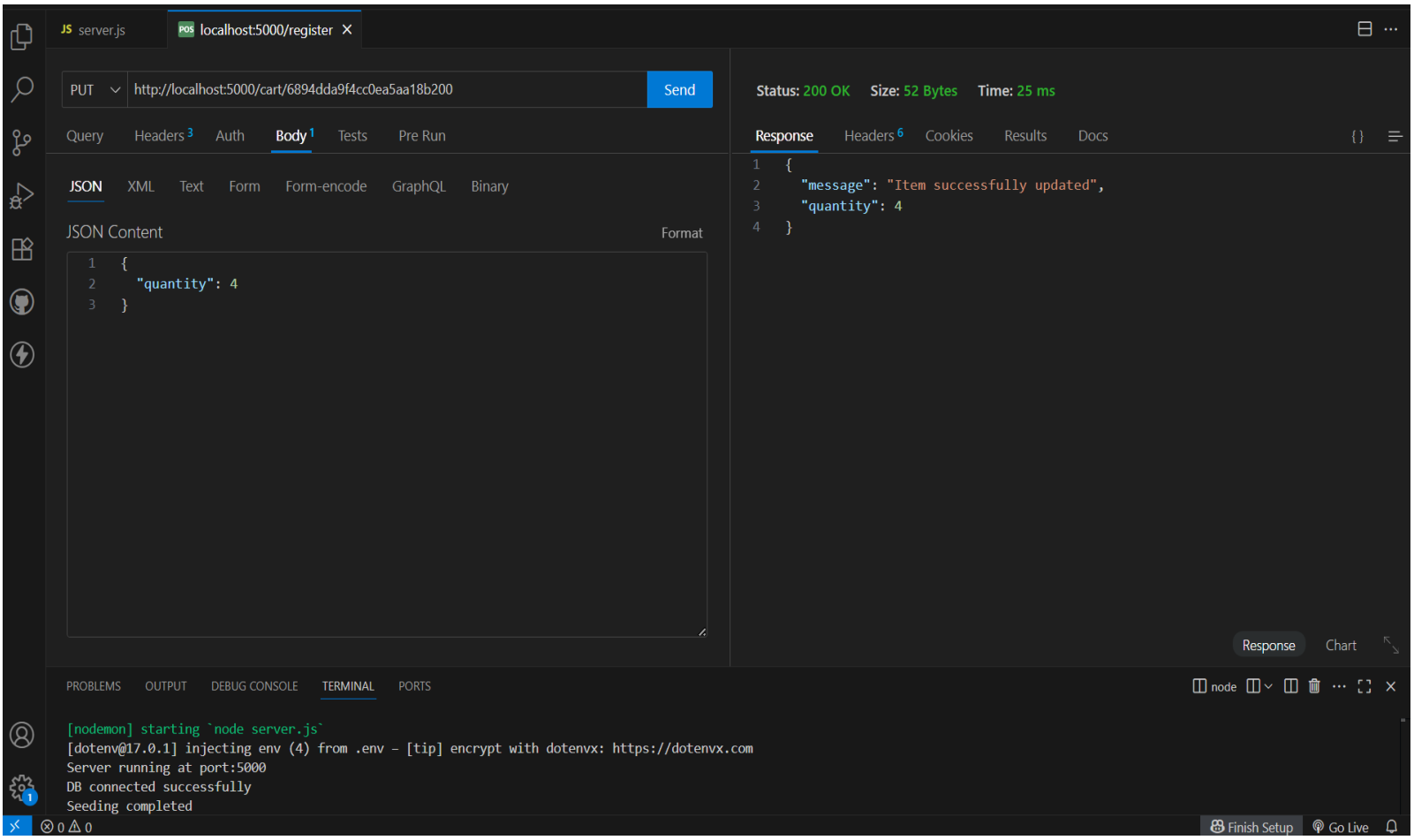



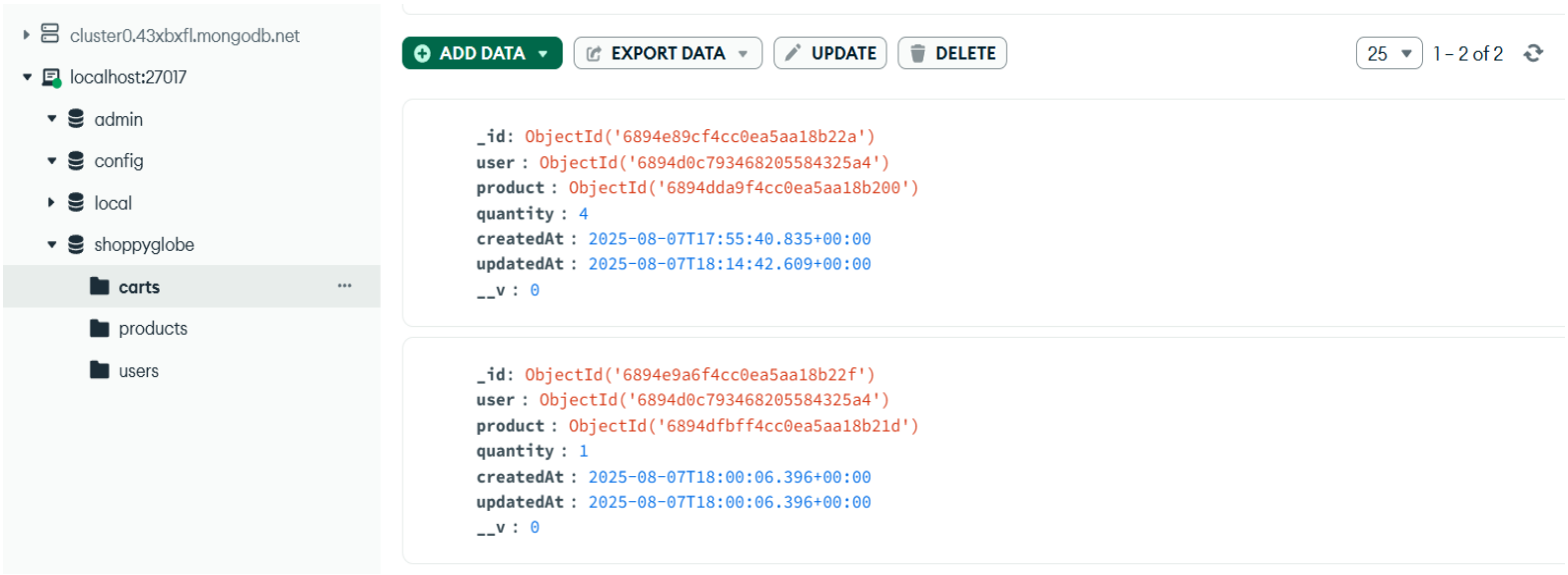
- **GET /cart**
  - Fetch the list of all cart items.



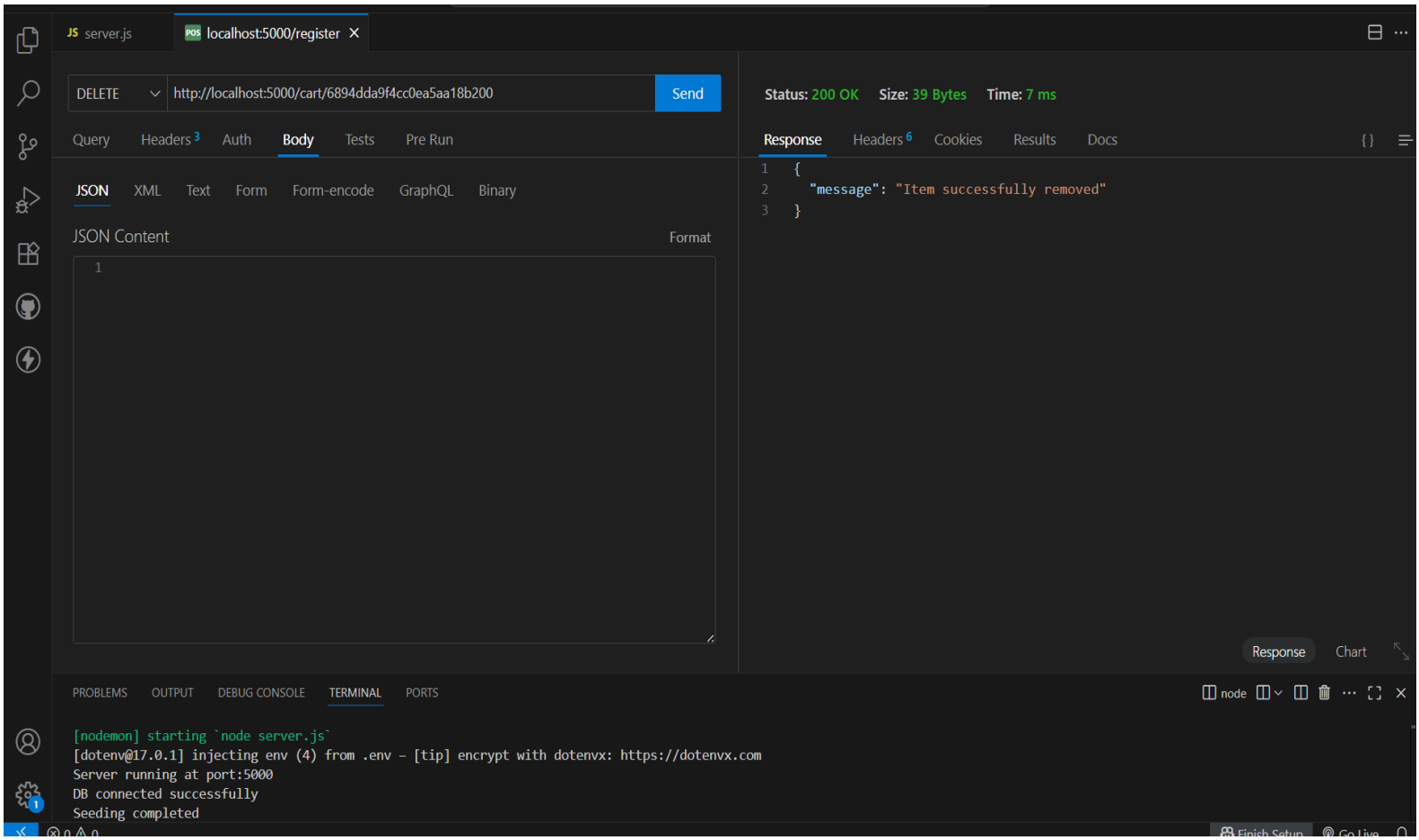



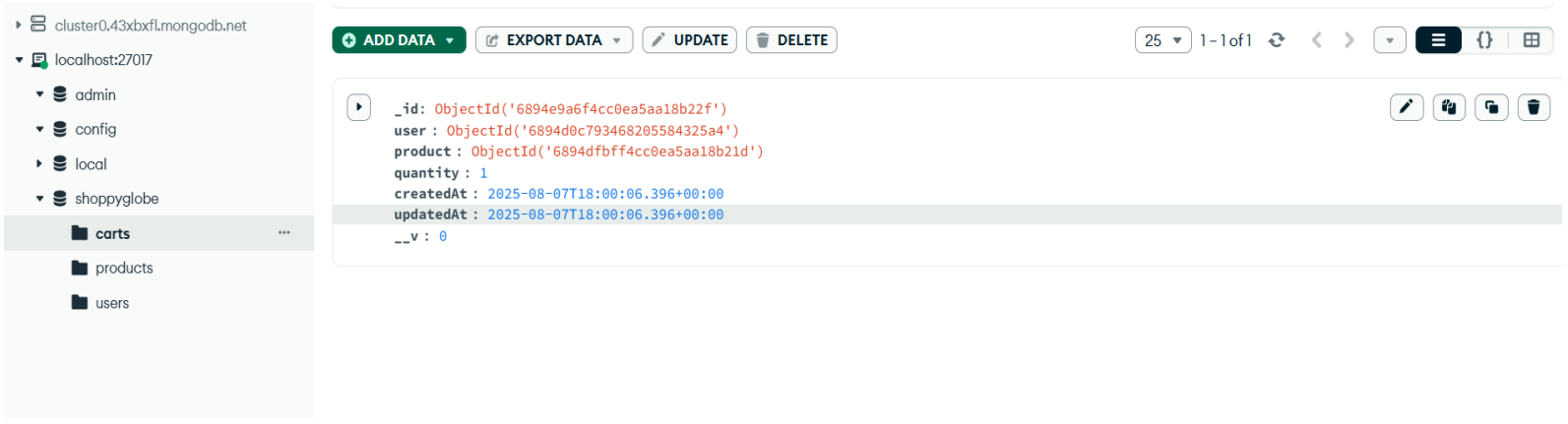
- **PUT /cart/:id**
  - Update cart item by ObjectId.



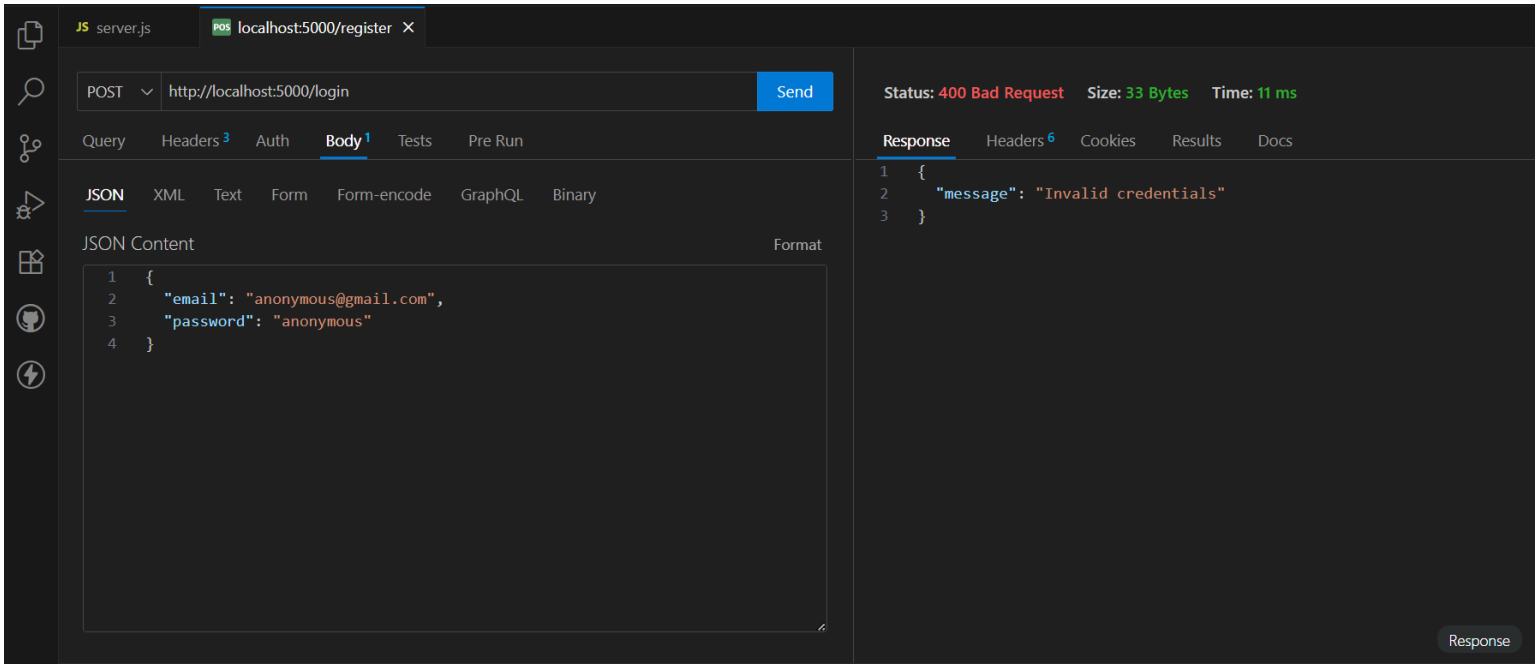
- **DELETE /cart/:id**
  - Remove cart item by ObjectId.



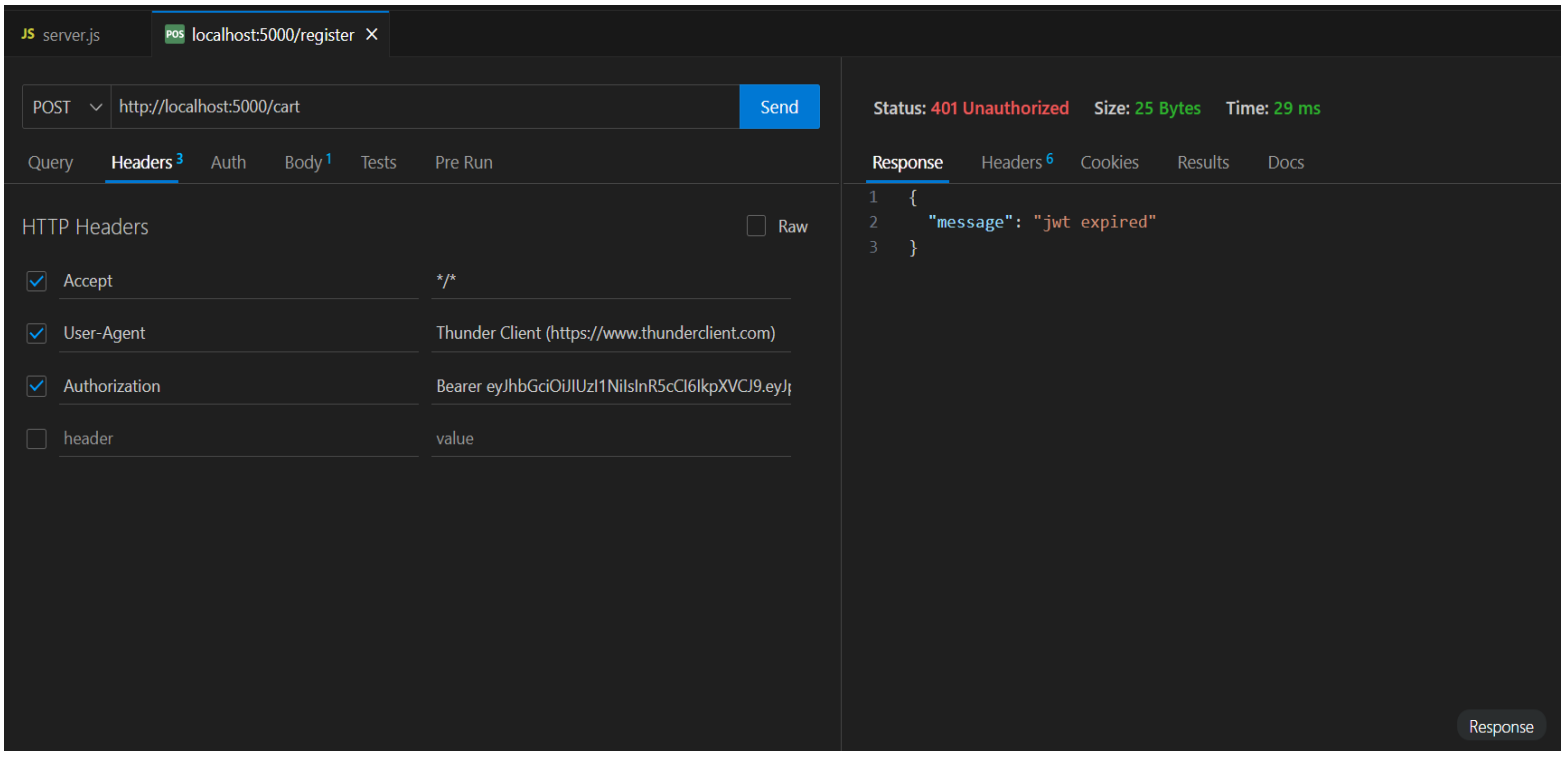



# Error Handling

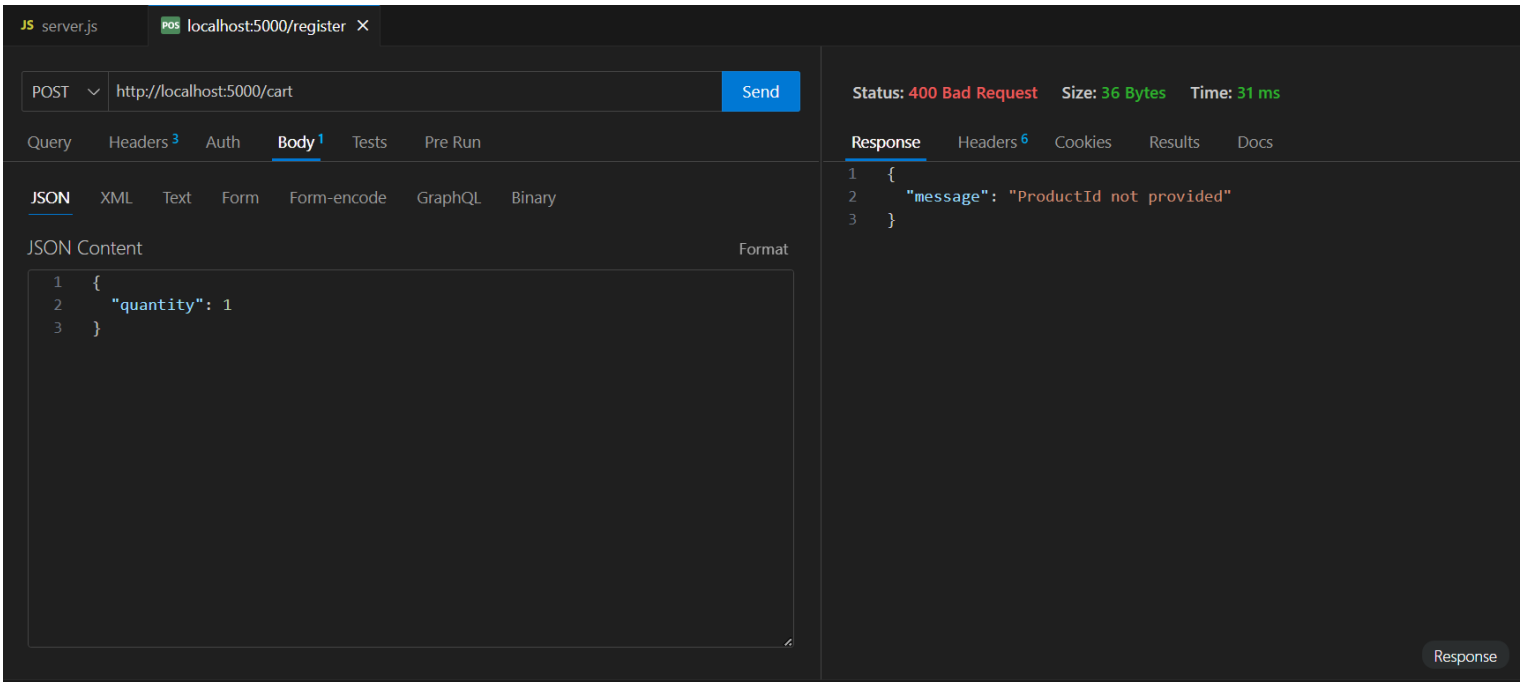
- **POST /login with invalid credentials**
  - 400 Bad Request & Response with “Invalid credentials”




- **GET, POST, PUT, DELETE /cart with invalid id**
  - 401 Unauthorized & Response with “jwt expired”.



- **POST /cart without required fields**
  - Validate inputs
  - 400 Bad Request with error message




- **GET, PUT, DELETE /invalid_routes**
  - 404 Not Found with error message