RESTful API Assignment Submission

Project: ShoppyGlobe - RESTful API using Node.js, Express, MongoDB

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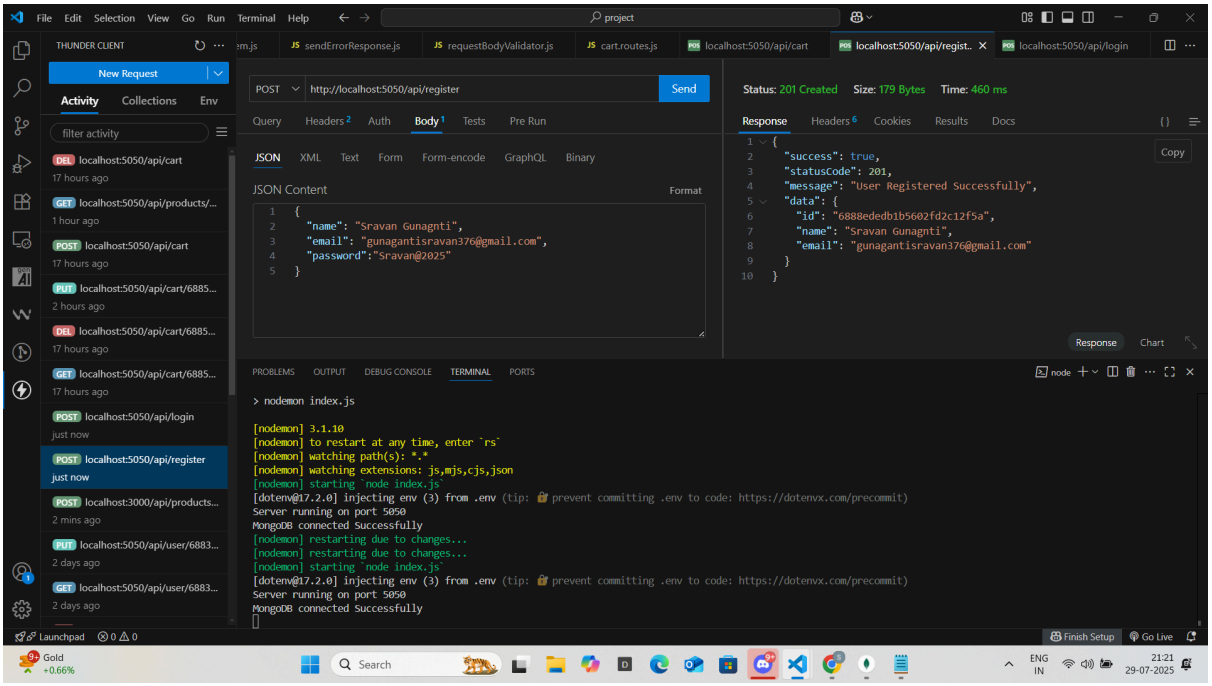
1. POST /api/register

- **Endpoint**: `POST http://localhost:5050/api/register`
- **Description**: Registers a new user.
- **Request Body**:

```
{
  "name": "Sravan Gunaganti",
  "email": "gunagantisravan376@gmail.com",
  "password": "Sravan@2025"
}
```

- **ThunderClient Screenshot**:



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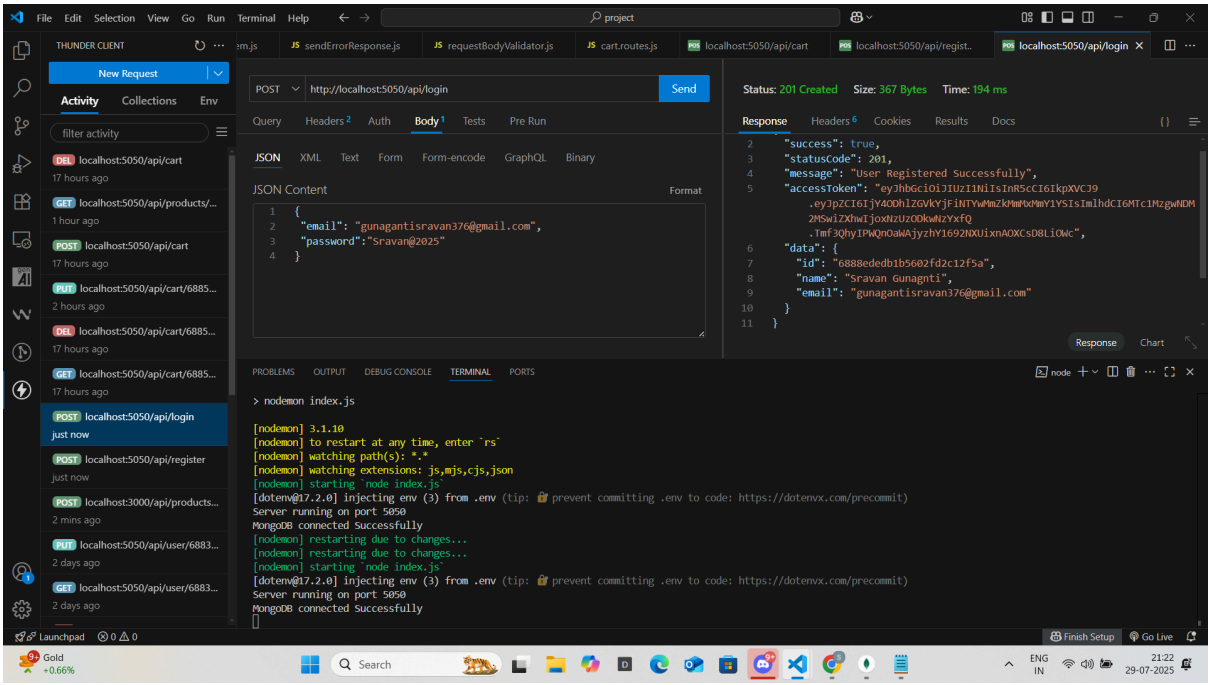
2. POST /api/login

- **Endpoint**: `POST http://localhost:5050/api/login`
- **Description**: Authenticates user and returns token.
- **Request Body**:

```
{
  "email": "gunagantisravan376@gmail.com",
  "password": "Sravan@2025"
}
```

- **ThunderClient Screenshot**:



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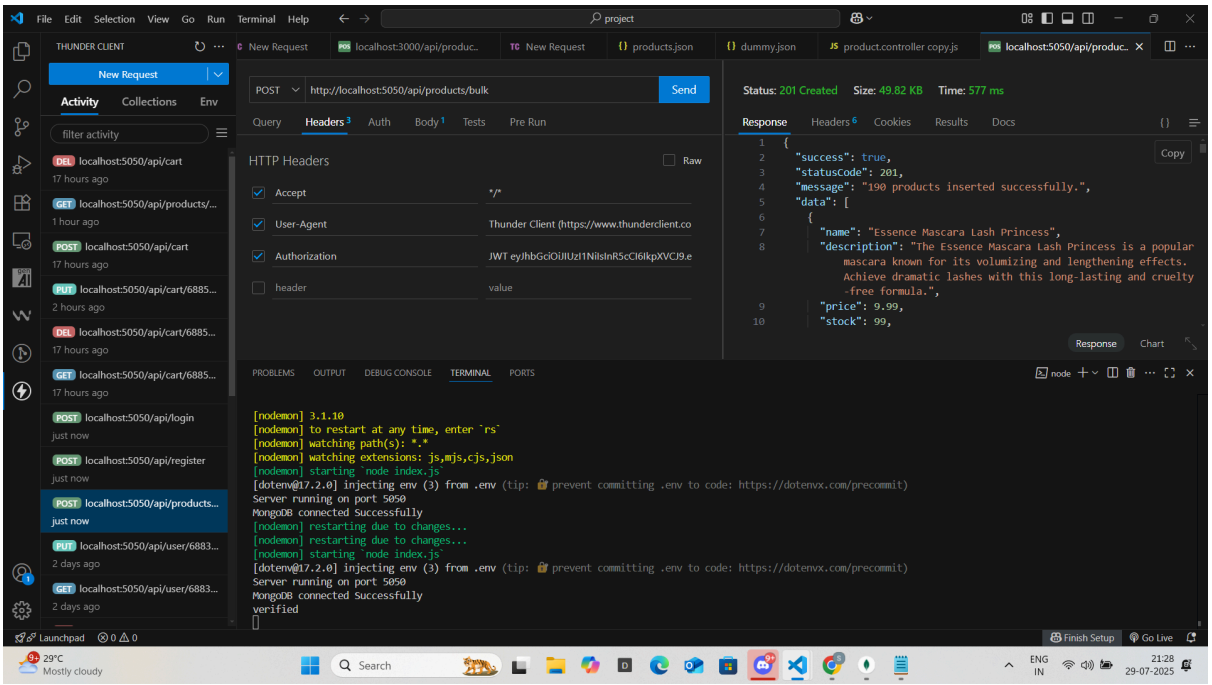
3. POST /api/products/bulk

- **Endpoint**: `POST http://localhost:5050/api/products/bulk`
- **Description**: Inserts multiple products.
- **Headers**: JWT token required.
- **Request Body**: Array of products provided in project folder also
- **ThunderClient Screenshot**:



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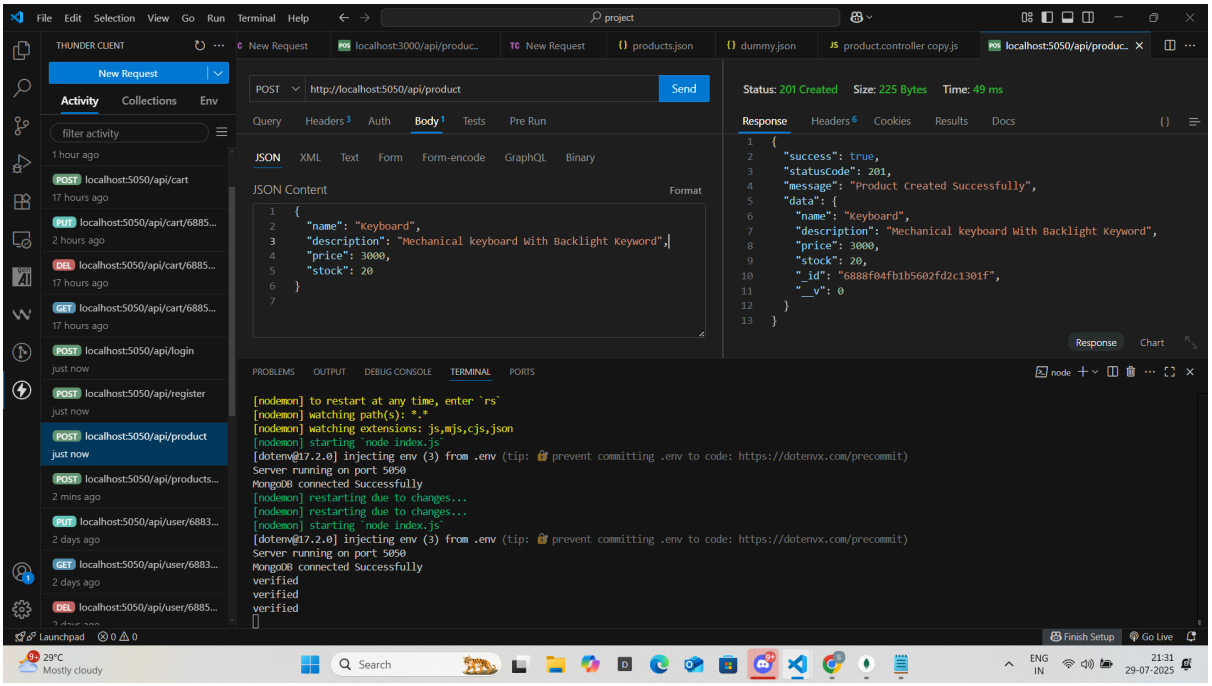
4. POST /api/product

- **Endpoint**: `POST http://localhost:5050/api/product`
- **Description**: Adds a single product.
- **Headers**: JWT token required.
- **ThunderClient Screenshot**:



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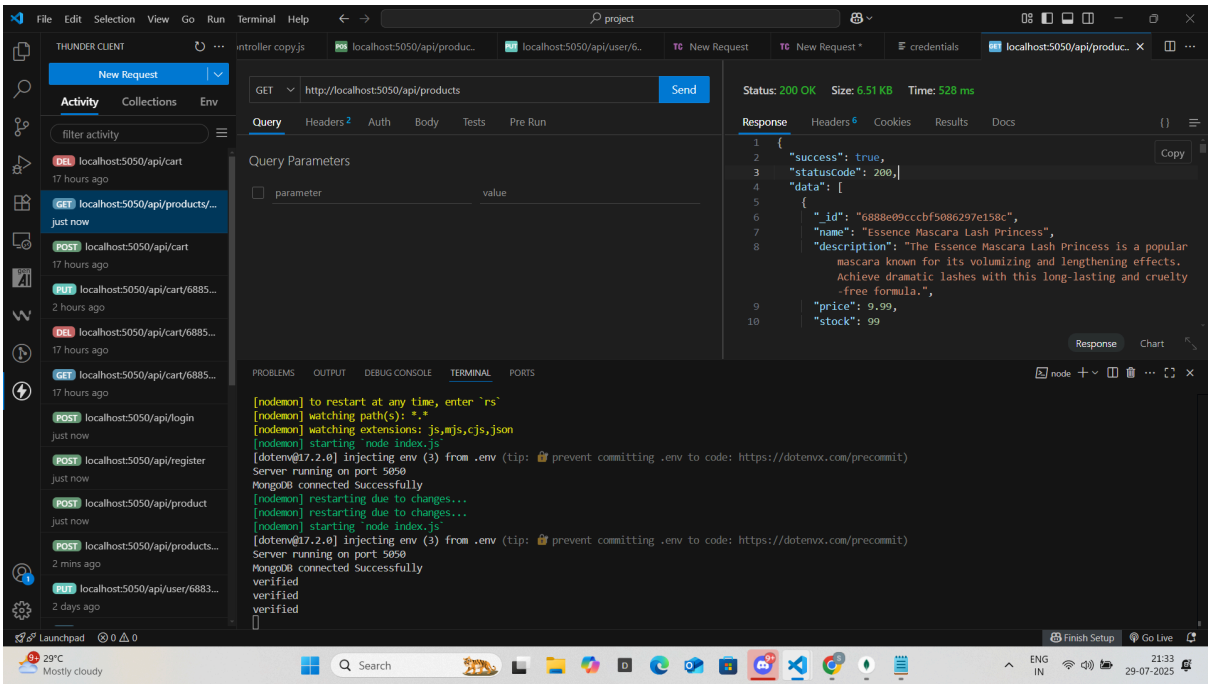
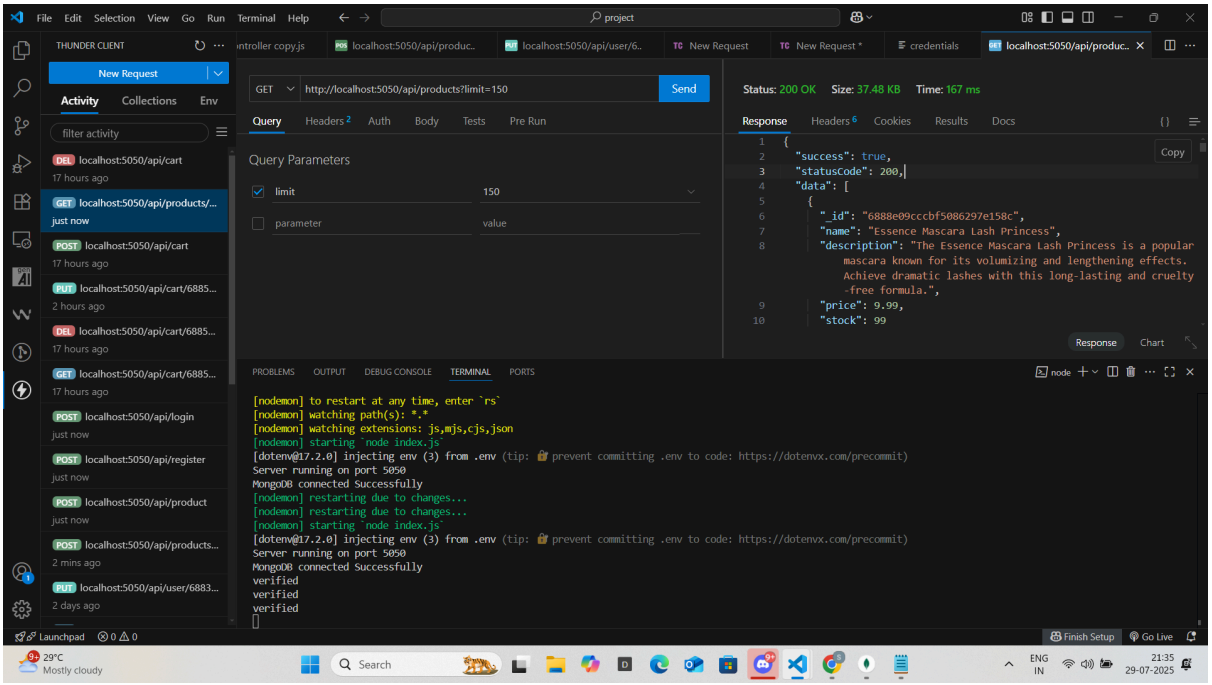
5. GET /api/products

- **Endpoint 1**: `GET http://localhost:5050/api/products`
- **Endpoint 1**: `GET http://localhost:5050/api/products?limit=number`
- **Description**: Fetches all products with limit query parameter .by default limit is 30
- **ThunderClient Screenshot**:





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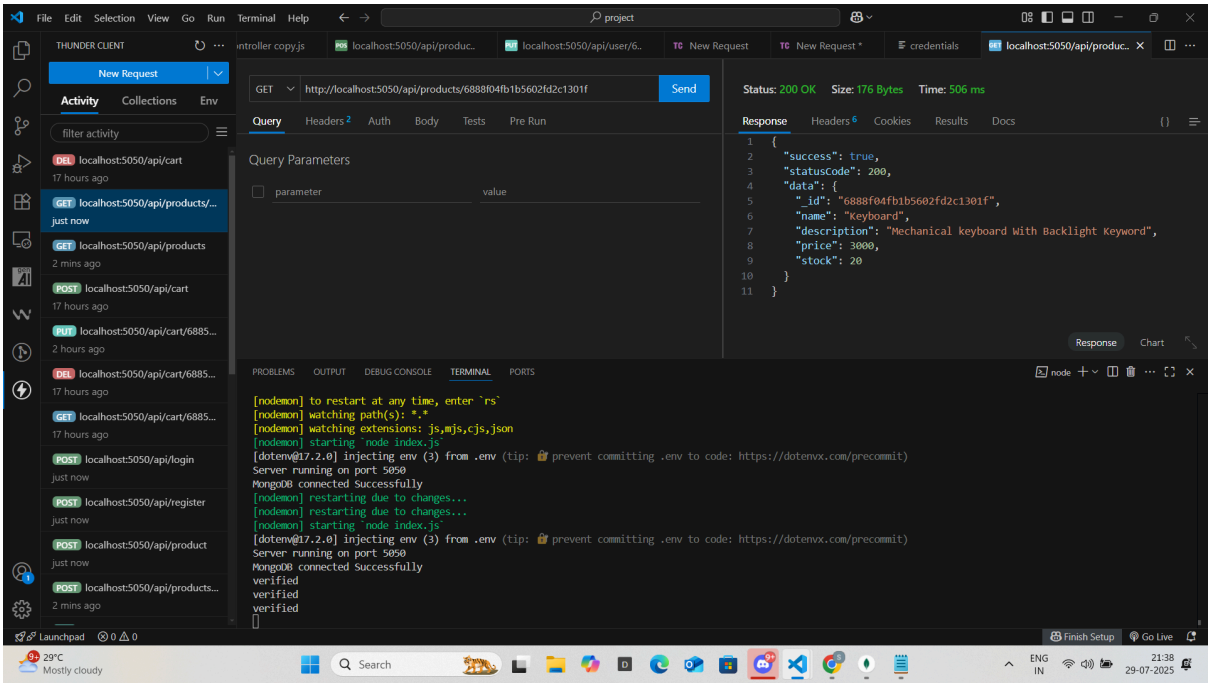
6. GET /api/products/:id

- **Endpoint**: `GET http://localhost:5050/api/products/<productId>`
- **Description**: Fetch product by ID.
- **ThunderClient Screenshot**:



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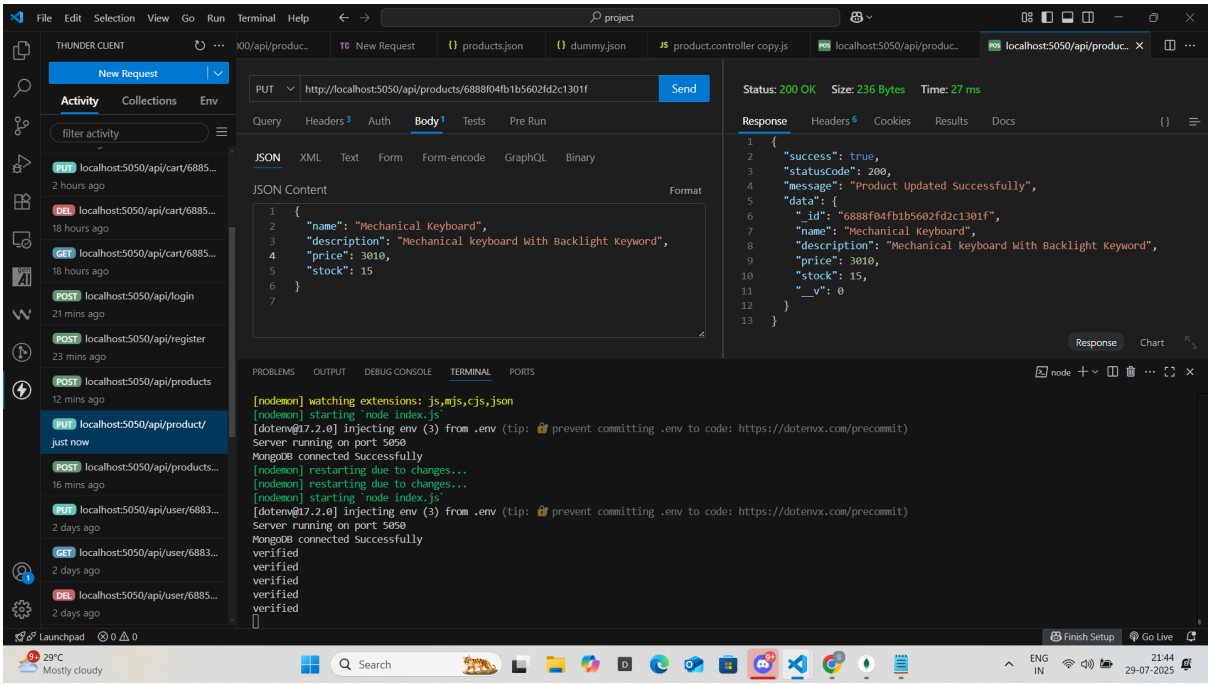
7. PUT /api/products/:id

- **Endpoint**: `PUT http://localhost:5050/api/products/6888f04fb1b5602fd2c1301f`
- **Headers**: JWT token required.
- **Request Body**:
- **ThunderClient Screenshot**:



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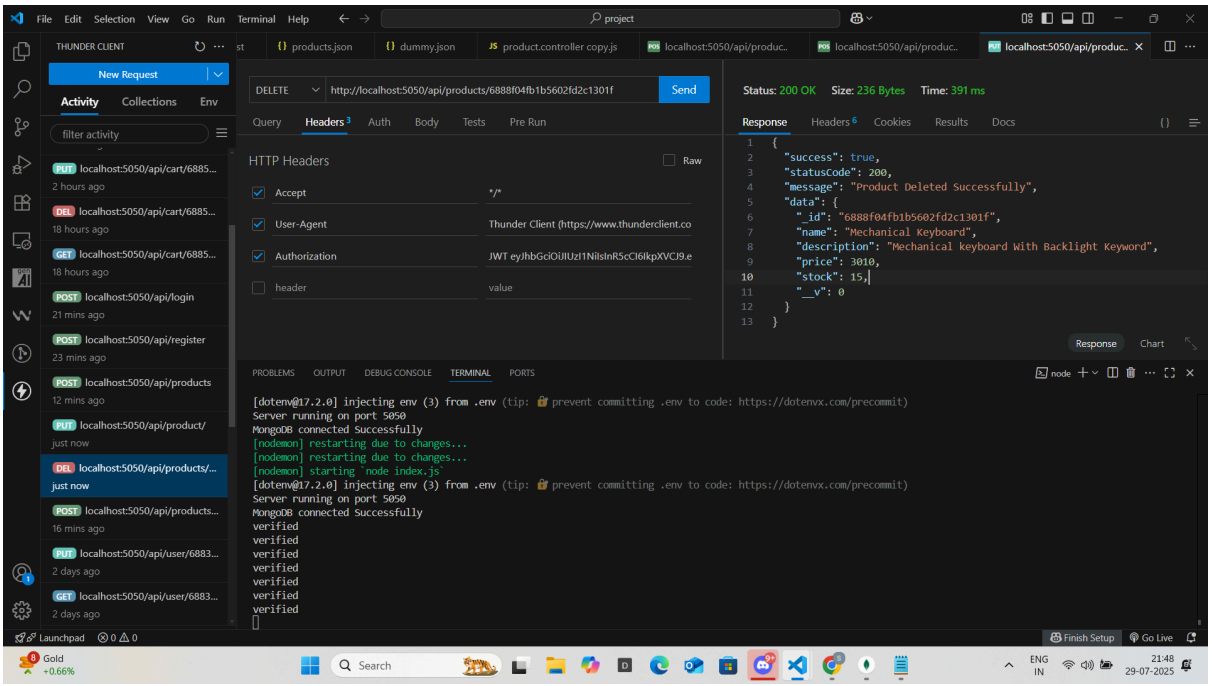
8. DELETE /api/products/:id

- **Endpoint**: `DELETE http://localhost:5050/api/products/6888f04fb1b5602fd2c1301f`
- **Headers**: JWT token required.
- **ThunderClient Screenshot**:



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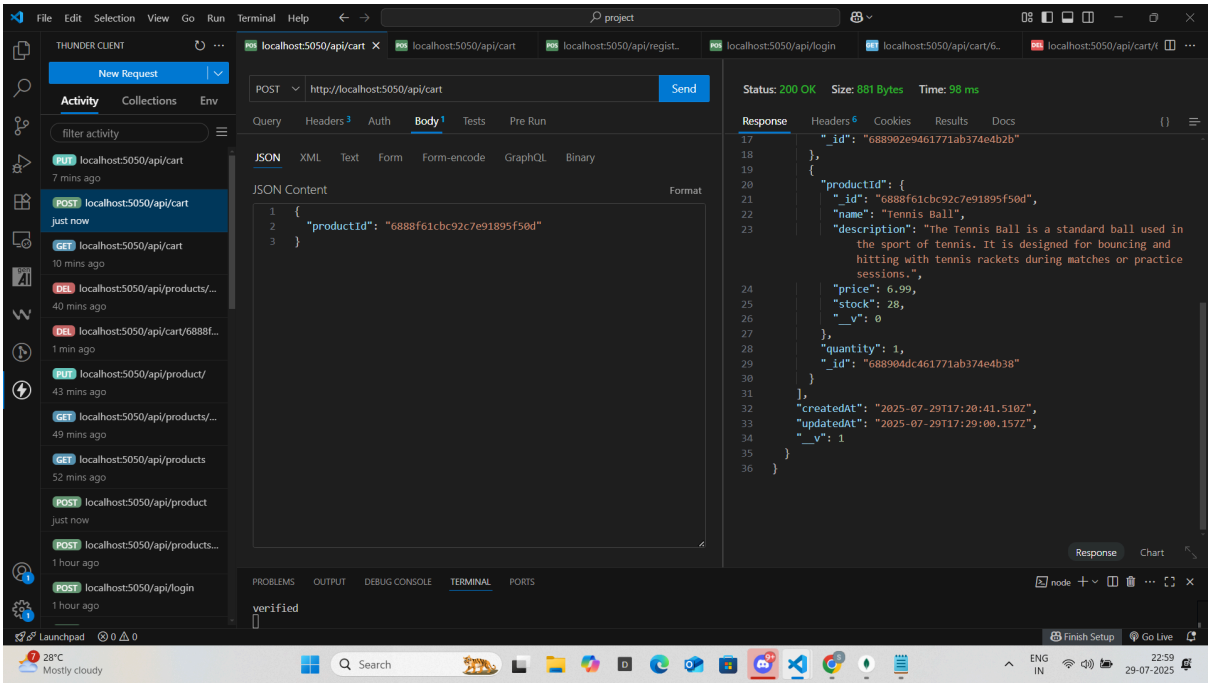
9. POST /api/cart

- **Endpoint**: `POST http://localhost:5050/api/cart`
- **Headers**: JWT token required
- **Description**: Adds product to cart or increments quantity for existing and returns populated cart
- **ThunderClient Screenshot:**



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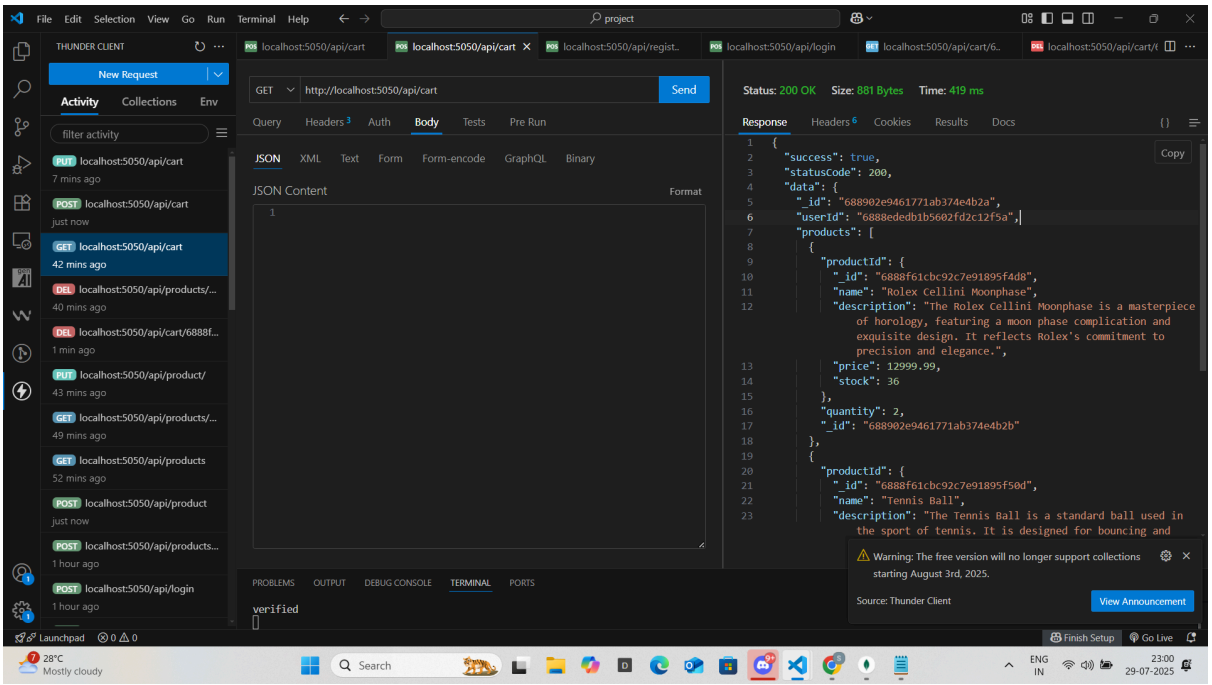
10. GET /api/cart

- **Endpoint**: `GET http://localhost:5050/api/cart`
- **Headers**: JWT token required.
- **Description**: Fetch user's cart by userId which get by verifying token
- **ThunderClient Screenshot**:



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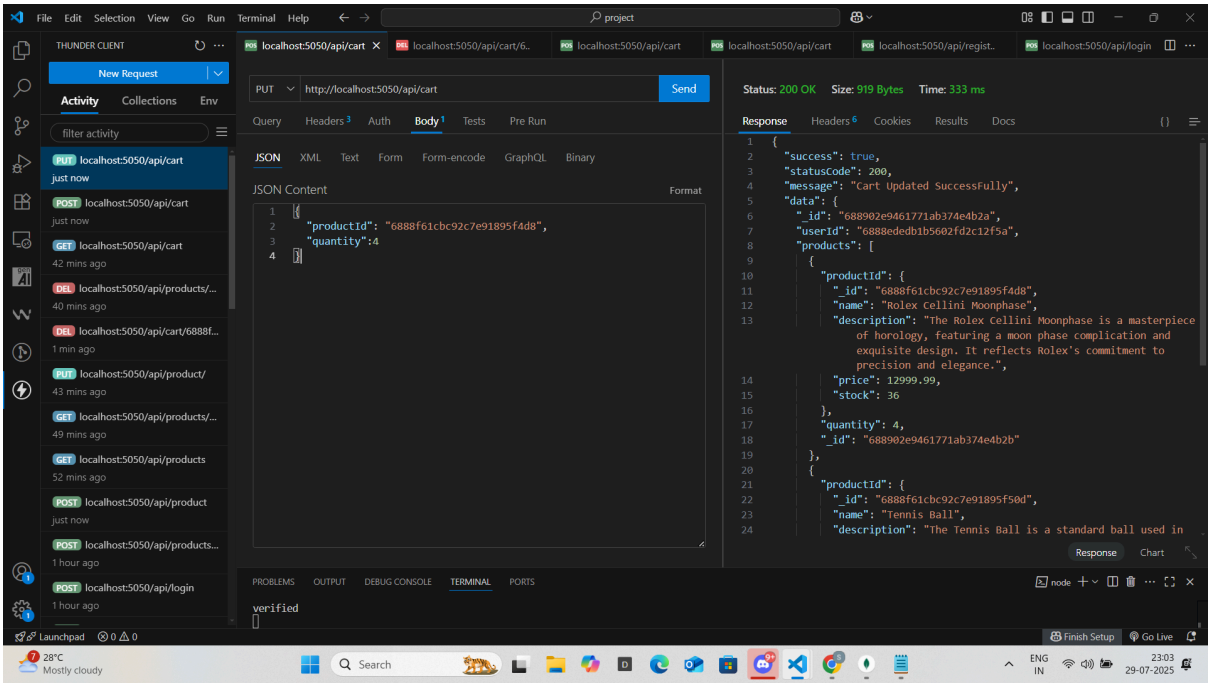
11. PUT /api/cart

- **Endpoint**: `PUT http://localhost:5050/api/cart`
- **Headers**: JWT token required.
- **Description**: Updates cart item quantity.
- **ThunderClient Screenshot**:



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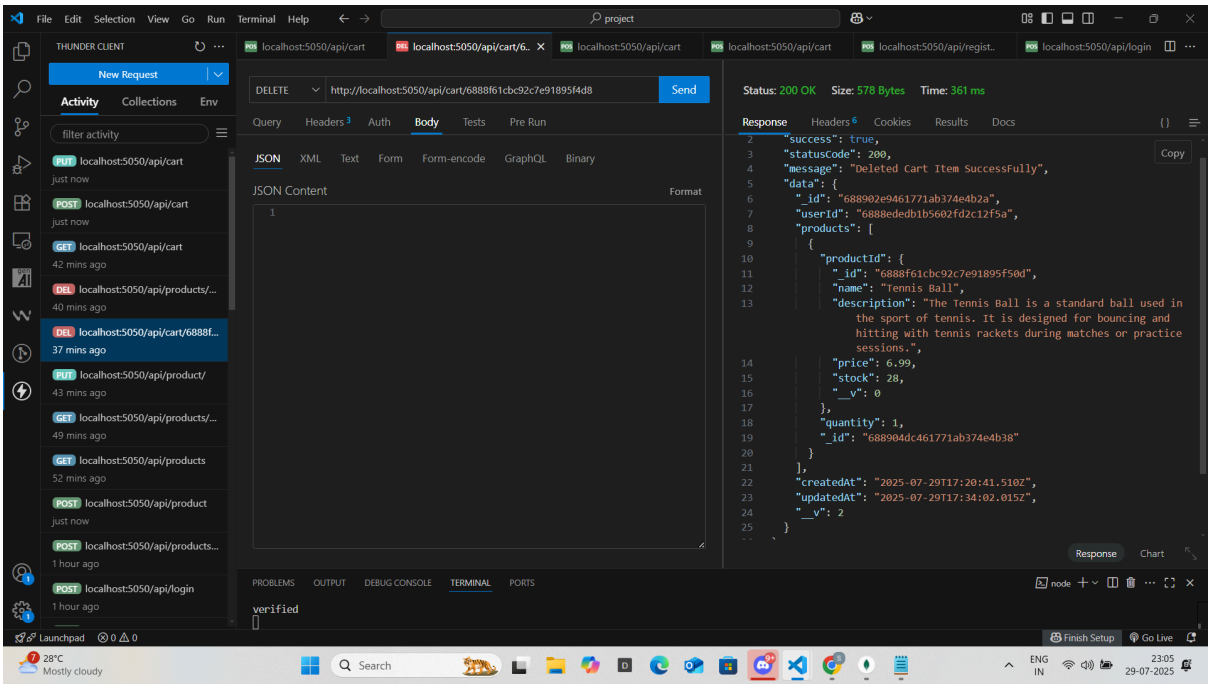
12. DELETE /api/cart/:productId

- **Endpoint**: `DELETE http://localhost:5050/api/cart/6888f61cbc92c7e91895f4d8`
- **Headers**: JWT token required.
- **Description**: Removes product from cart.
- **ThunderClient Screenshot**:



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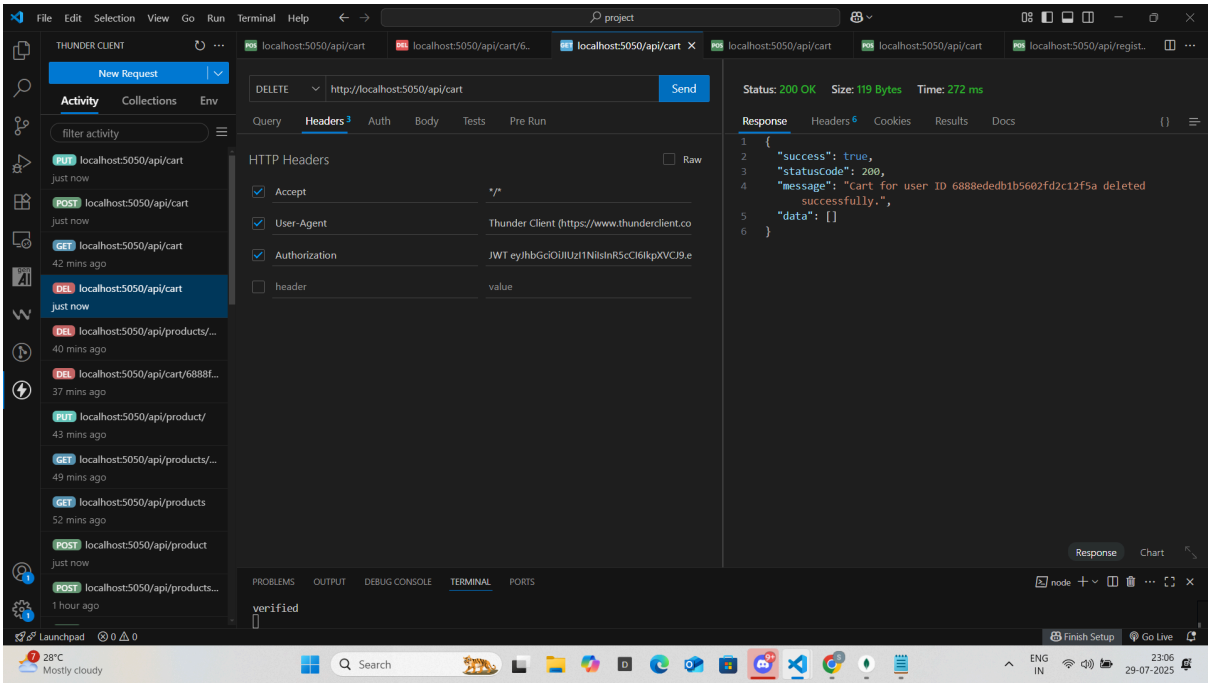
13. DELETE /api/cart

- **Endpoint**: `DELETE http://localhost:5050/api/cart`
- **Headers**: Bearer token required.
- **Description**: Clears entire cart.
- **ThunderClient Screenshot**:



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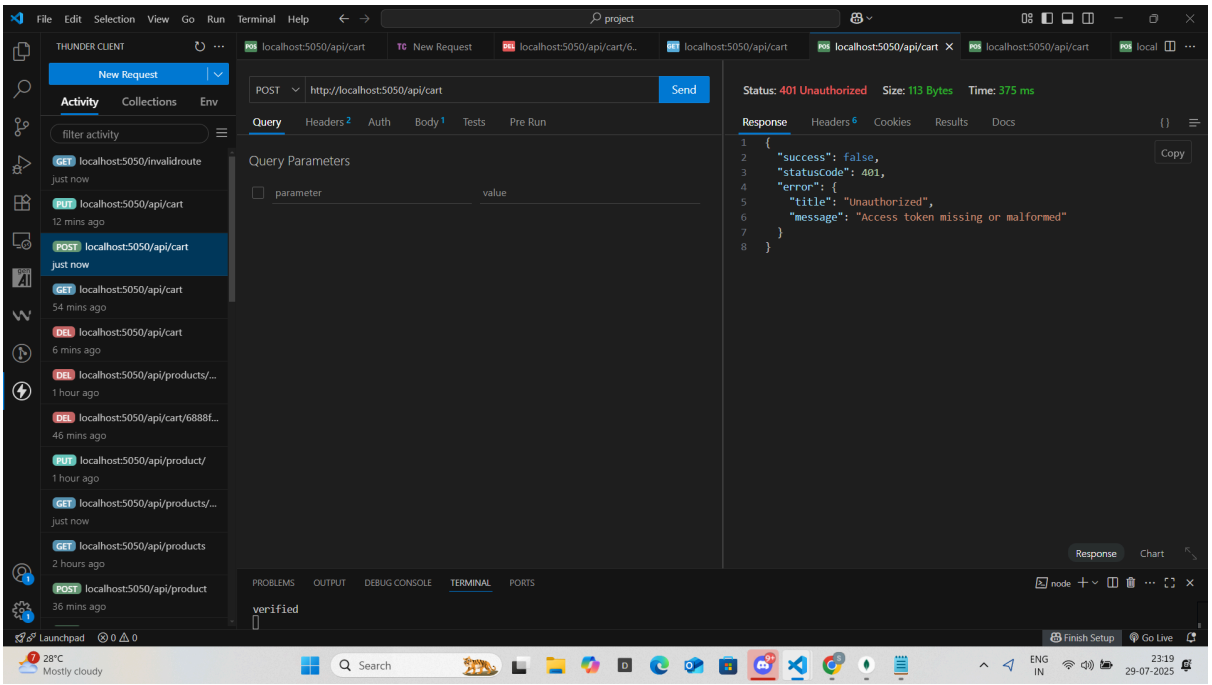
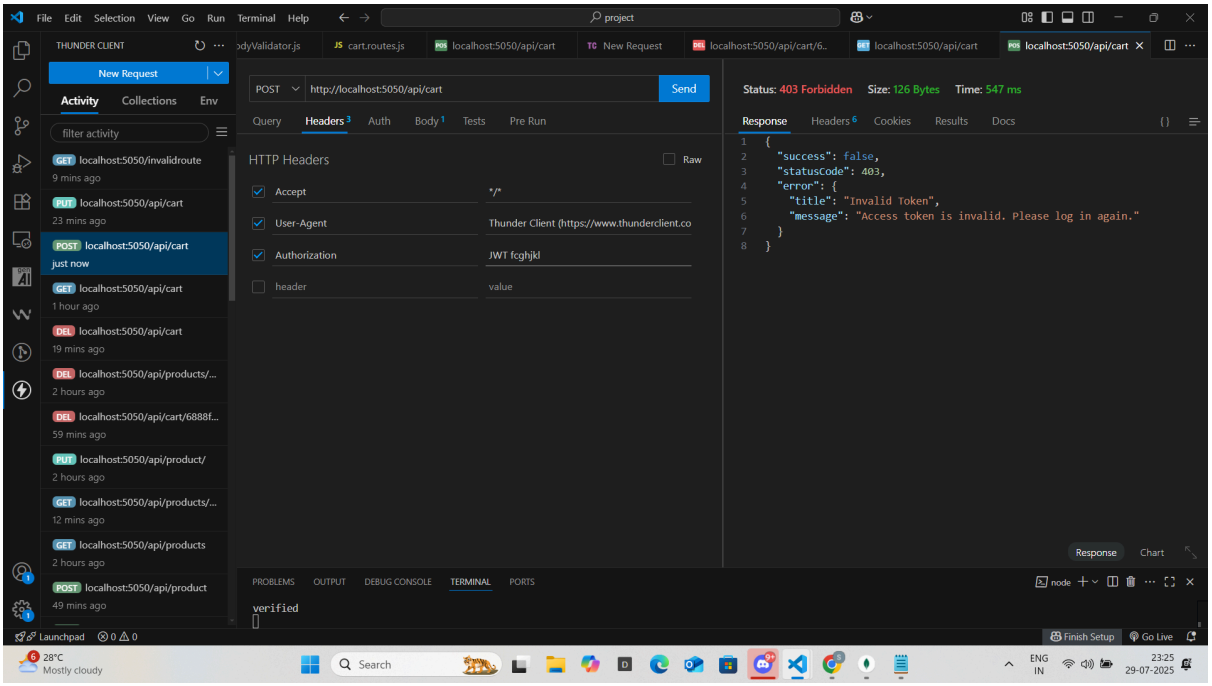
14. Access Protected Route without headers

- **Endpoint**: `POST http://localhost:5050/api/products/bulk`
- **Headers**: *None*
- **Expected**: 401 Unauthorized
- **Thunderclient screenshot:**



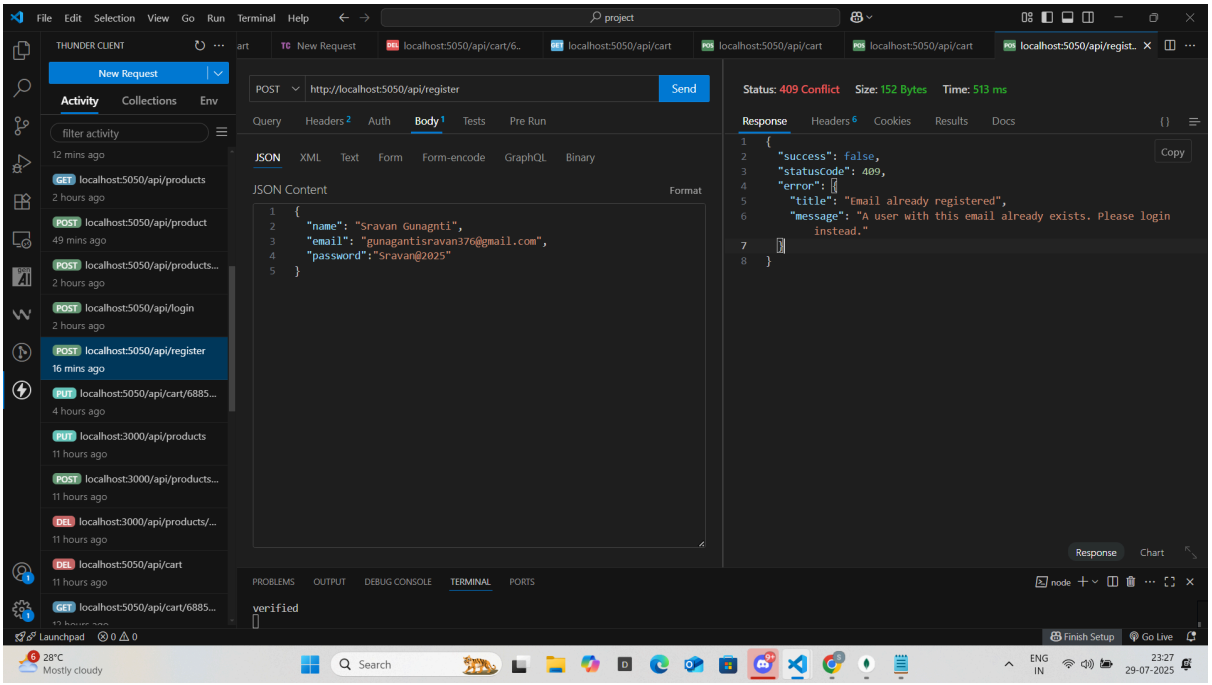
15. Access Protected Route with invalidToken

- **Endpoint**: `POST http://localhost:5050/api/products/bulk`
- **Headers**: *Authorization: JWT fcghjkl*
- **Expected**: 401 Unauthorized
- **Thunderclient screenshot:**



16. POST Register with existing email

- **Endpoint**: `POST http://localhost:5050/api/register`
- **Expected:**: 409 conflict -Email already registered



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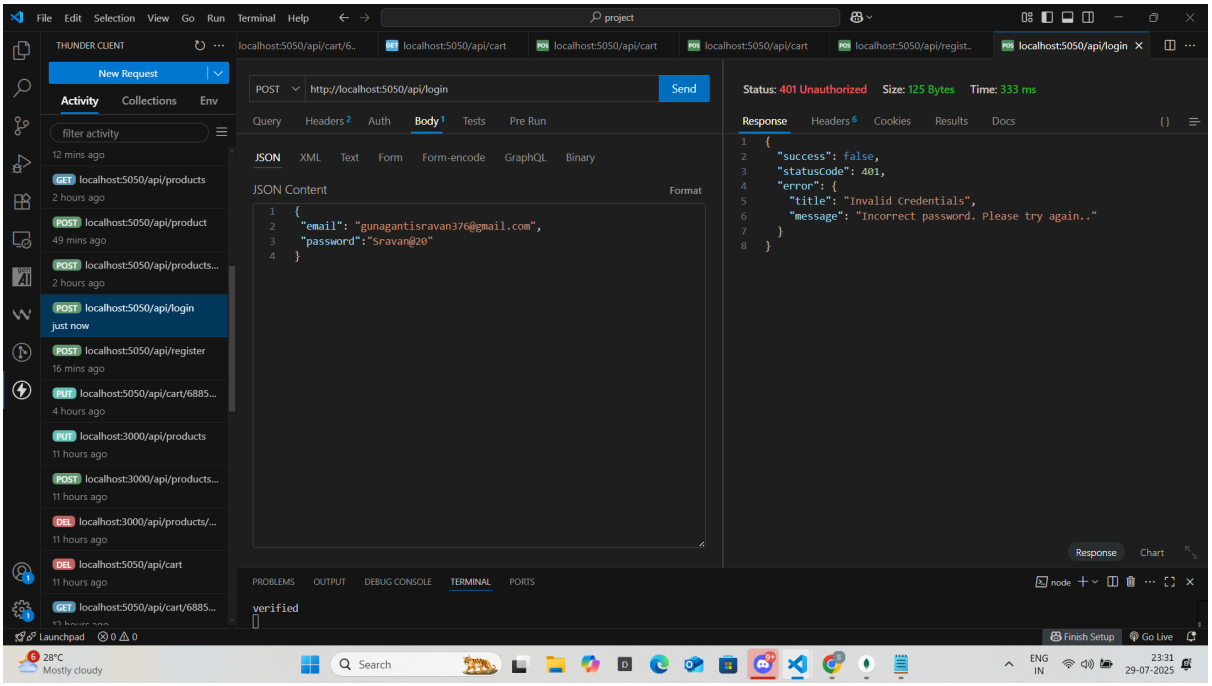
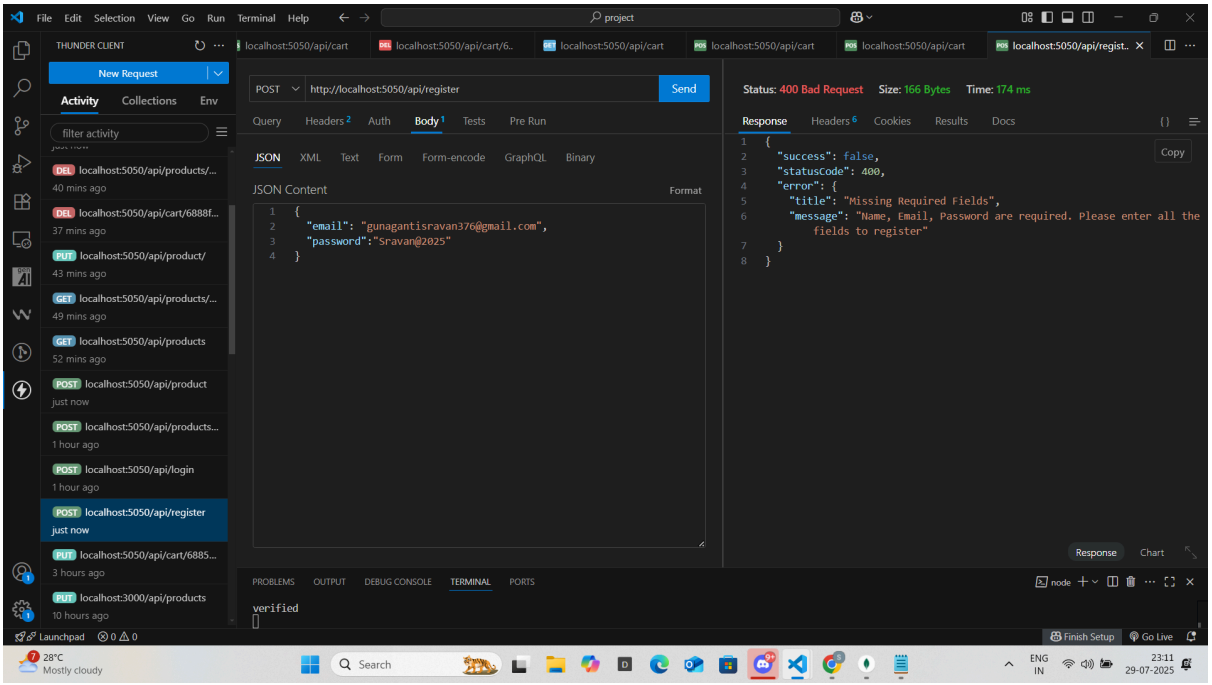
17. POST /api/login

- **Endpoint**: `POST http://localhost:5050/api/login`
- **Expected:** 401-Unauthorized with Invalid credentials
- **ThunderClient Screenshot**:

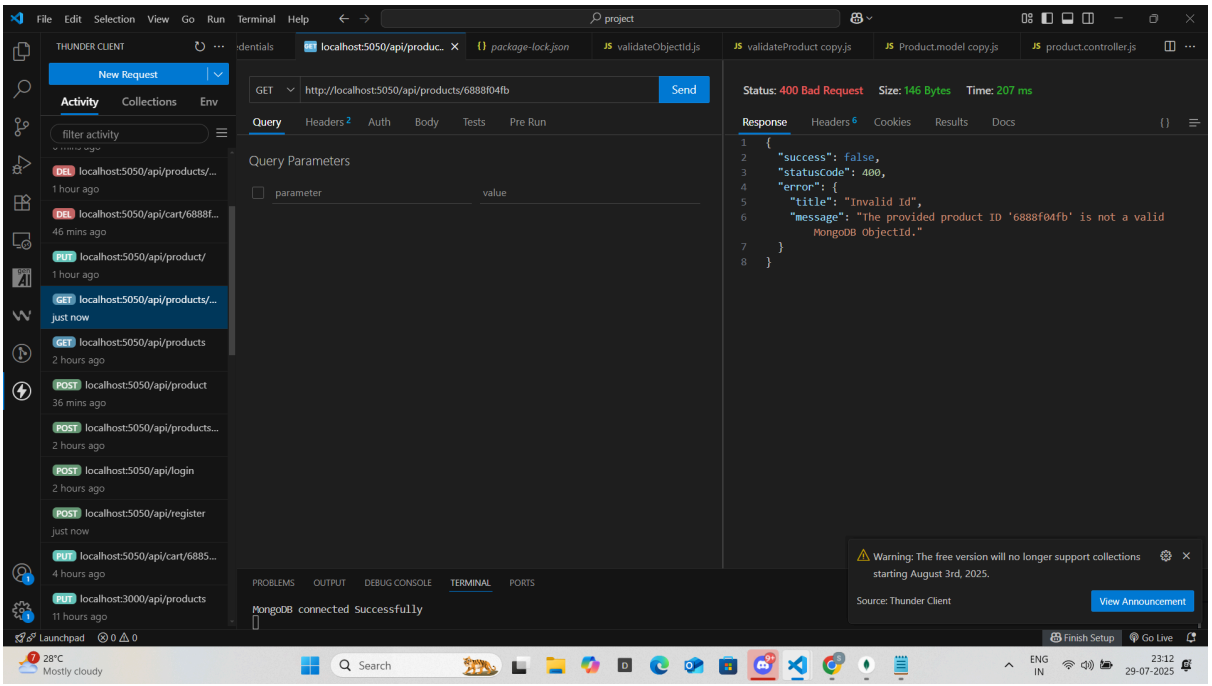


14. Remaining Error Testing

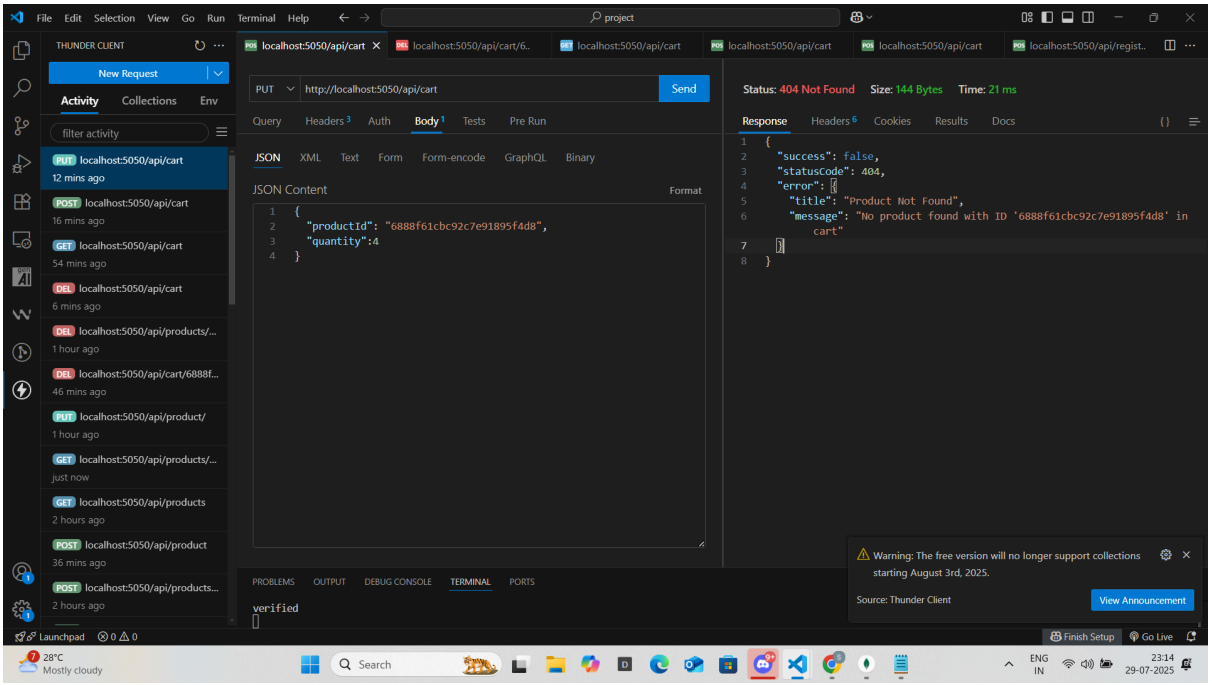
- **POST /api/register with missing field**
- **Expected**: 400 Bad Request with Missing Required Fields
- **ThunderClient Screenshot**:



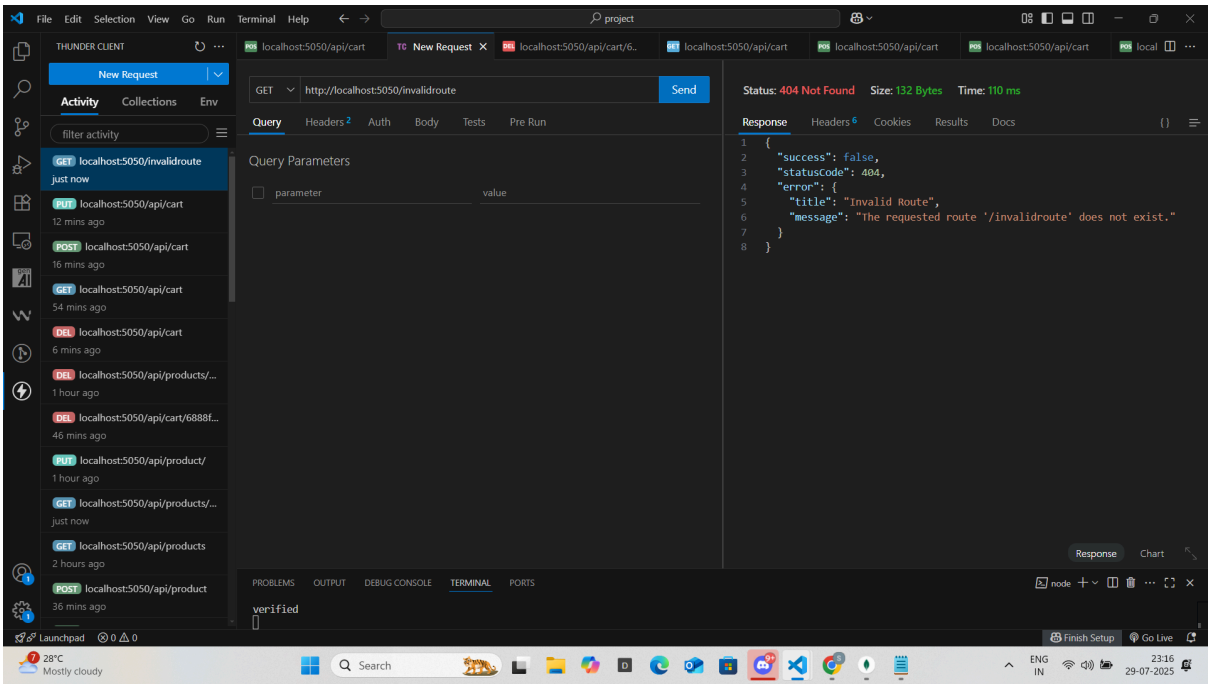
- **GET /api/products/:id with invalid ID**
- **Expected**: 400 Bad Request - Invalid Id
- **ThunderClient Screenshot**:



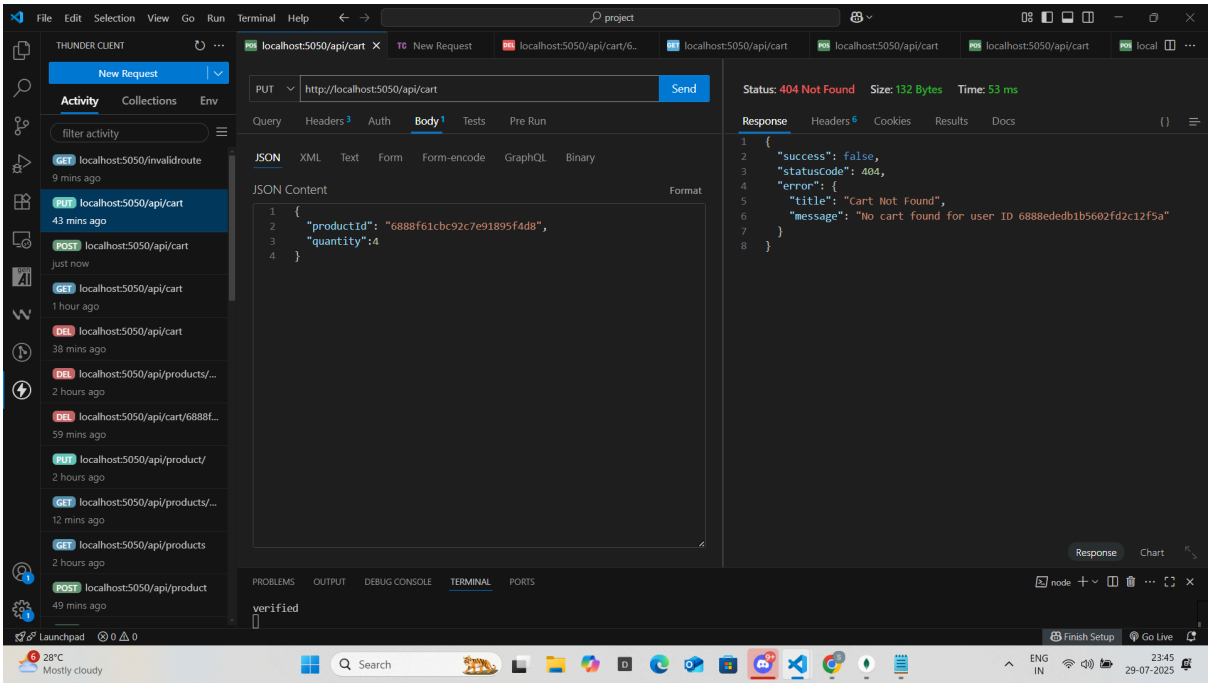
- **POST /api/cart with non-existent product ID**
- **Expected**: 404 Not Found - Product Not Found
- **ThunderClient Screenshot**:



- **GET /invalidroute**
- **Expected**: 404 Not Found - Route not found
- **ThunderClient Screenshot**:



- **PUT /api/cart without cart**
- **Expected**: 404 Not Found - Cartnot found
- **ThunderClient Screenshot**:


File Edit Selection View Go Run Terminal Help
project
THUNDER CLIENT
New Request
Activity Collections Env
filter activity
GET localhost:5050/invalidroute
9 mins ago
PUT localhost:5050/api/cart
43 mins ago
POST localhost:5050/api/cart
just now
GET localhost:5050/api/cart
1 hour ago
DEL localhost:5050/api/cart
38 mins ago
DEL localhost:5050/api/products/...
2 hours ago
DEL localhost:5050/api/cart/6888f...
59 mins ago
PUT localhost:5050/api/product/
2 hours ago
GET localhost:5050/api/products/...
12 mins ago
GET localhost:5050/api/products
2 hours ago
POST localhost:5050/api/product
49 mins ago
localhost:5050/api/cart
New Request
localhost:5050/api/cart/6..
localhost:5050/api/cart
localhost:5050/api/cart
localhost:5050/api/cart
local
PUT
http://localhost:5050/api/cart
Send
Query Headers 3 Auth Body 1 Tests Pre Run
JSON XML Text Form Form-encode GraphQL Binary
JSON Content
Format
{
"productId": "6888f61cbc92c7e91895f4d8",
"quantity":4
}
Status: 404 Not Found Size: 132 Bytes Time: 53 ms
Response Headers 6 Cookies Results Docs
{
"success": false,
"statusCode": 404,
"error": {
"title": "Cart Not Found",
"message": "No cart found for user ID 6888ededb1b5602fd2c12f5a"
}
}
Response Chart
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
node
verified
Launchpad
Finish Setup
Go Live
28°C
Mostly cloudy
Search
ENG
IN
23:45
29-07-2025