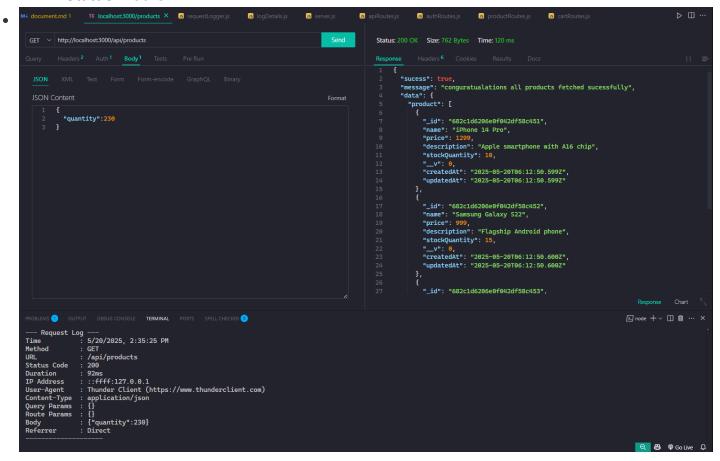# ✅ Test Results of Backend API
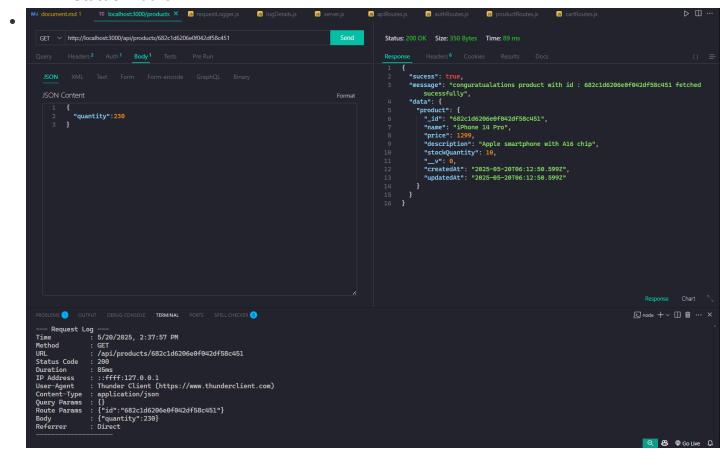
📦 1. GET Requests on Products

➤ All Products

- **Scenario:** API URL is `http://localhost:portNumber/api/products` .
- **Expected:** Should fetch all products without requiring a token.
- **Actual:** Products fetched successfully.
- **HTTP Status:** 200 OK

➤ Single Product by ID

- **Scenario:** API URL is `http://localhost:portNumber/api/products/{id}` .
- **Expected:** Should fetch the product with the given ID.
- **Actual:** Product details returned.

- **HTTP Status:** 200 OK

👤 2. User Registration and Login
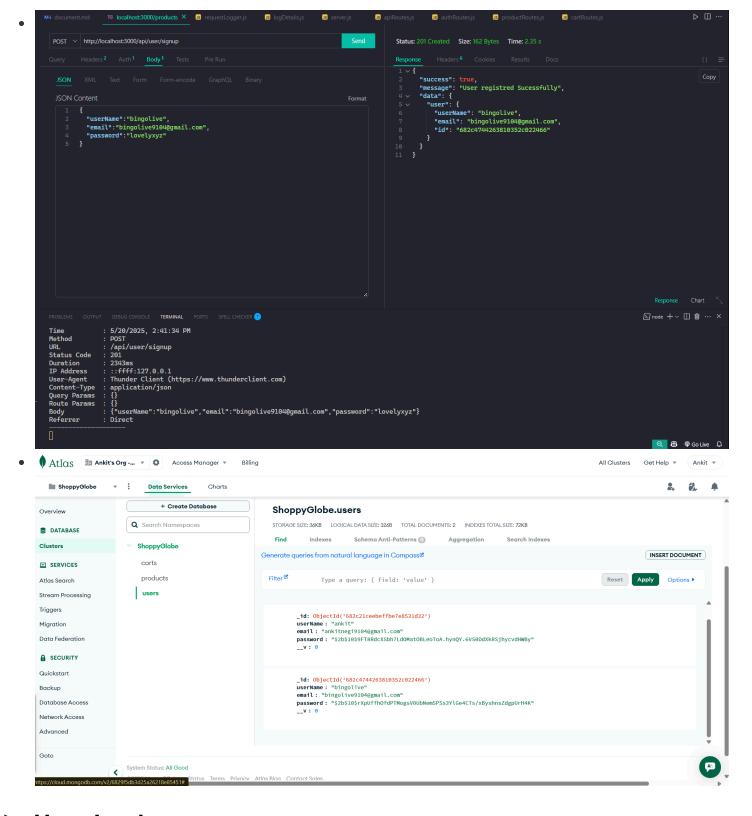
➤ User Signup

- **Scenario:** API URL is `http://localhost:portNumber/api/user/signup` .
- **Expected:** Should register a new user.
- **Actual:** User registered and saved in DB.
- **HTTP Status:** 201 Created
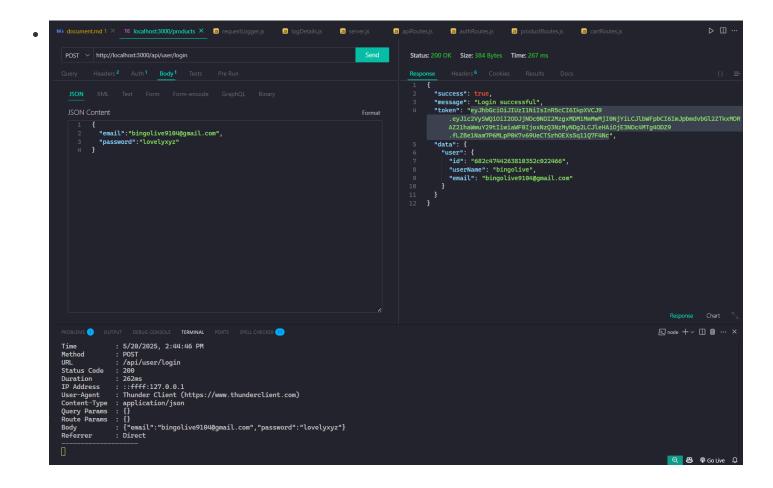
➤ User Login

- **Scenario:** API URL is `http://localhost:portNumber/api/user/login` .
- **Expected:** Should log in and return a JWT token.
- **Actual:** Logged in and token received.
- **HTTP Status:** 200 OK
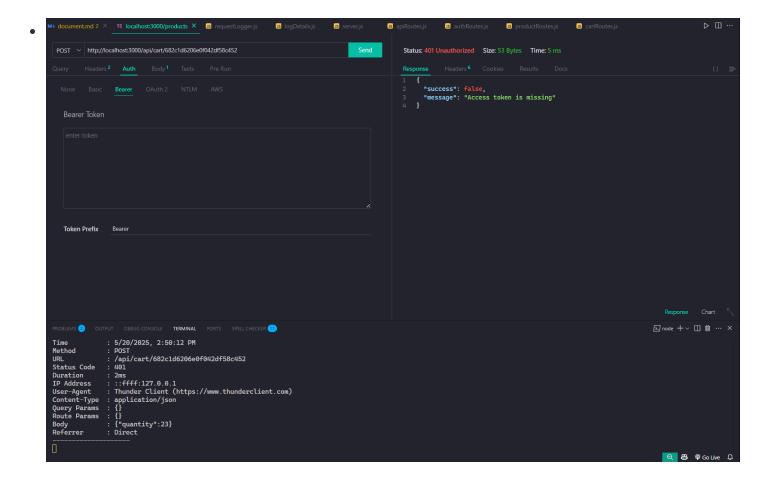
- `token : eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9...`

🛒 3. POST Request on Cart
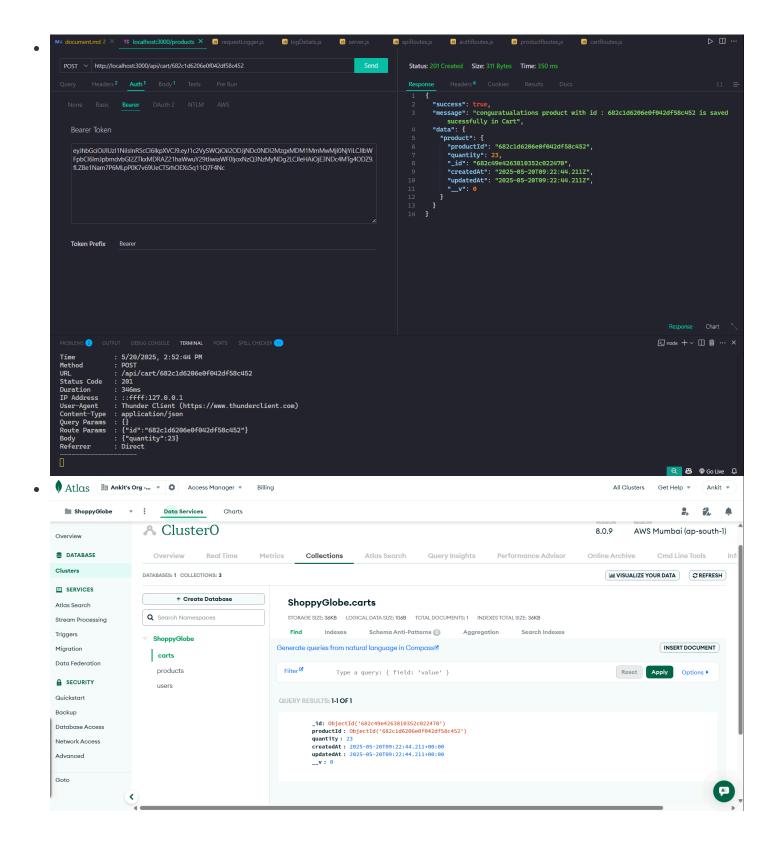
➤ Without Token

- **Scenario:** API URL is `http://localhost:portNumber/api/cart/{productId}` without access token.
- **Expected:** Should return unauthorized error.
- **Actual:** Access denied.
- **HTTP Status:** 401 Unauthorized

➤ With Token

- **Scenario:** API URL is `http://localhost:portNumber/api/cart/{productId}` with access token.
- **Expected:** Product should be added to cart.
- **Actual:** Product added successfully.
- **HTTP Status:** 200 OK

POST | http://localhost:3000/api/cart/682c1d6206e0f042df58c452 | Send

Query   Headers² Auth¹ Body¹ Tests   Pre Run

None   Basic   Bearer   OAuth 2   NTLM   AWS

Bearer Token

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ1c2VySWQiOiI2ODJjNDc0NDI2MzgxMDM1MmMwMjI0NjYiLCJIbW
FpbCI6ImJpbmdmdbGI2ZTkxMDRAZ21haWwuY29tIiwiaWF0IjoxNzQ3NzMyNDg2LCJIeHAiOjE3NDc4MTg4ODZ9.
fLZBe1Nam7P6MLpP0K7v69UeCTSrhOEXs5q11Q7F4Nc

Token Prefix   Bearer

Status: 201 Created   Size: 311 Bytes   Time: 350 ms

Response   Headers⁶ Cookies   Results   Docs

```
 1  {
 2    "success": true,
 3    "message": "conguratualations product with id : 682c1d6206e0f042df58c452 is saved
           sucessfully in Cart",
 4    "data": {
 5      "product": {
 6        "productId": "682c1d6206e0f042df58c452",
 7        "quantity": 23,
 8        "_id": "682c49e4263810352c022470",
 9        "createdAt": "2025-05-20T09:22:44.211Z",
10        "updatedAt": "2025-05-20T09:22:44.211Z",
11        "__v": 0
12      }
13    }
14  }
```
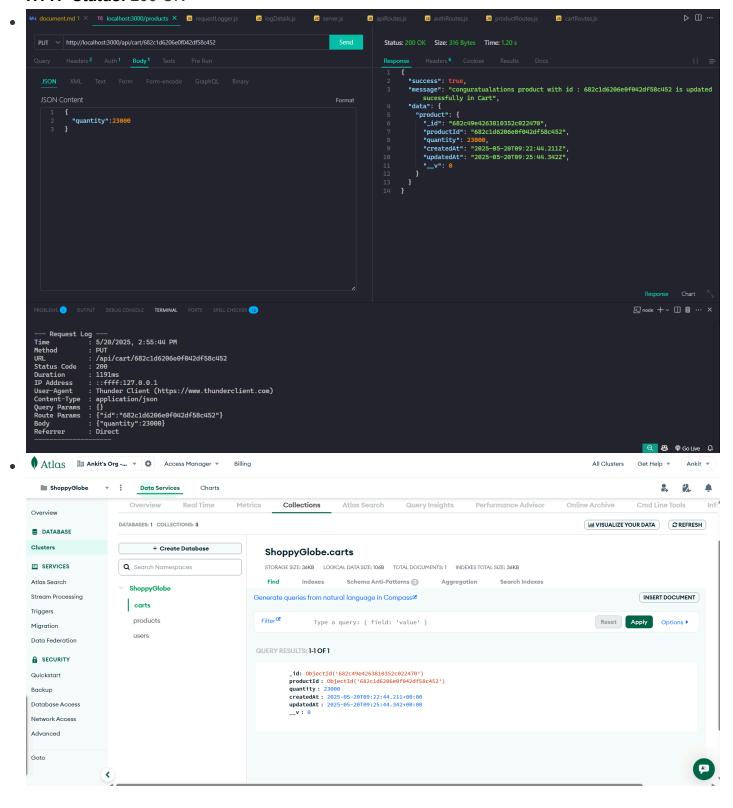
Response   Chart

PROBLEMS² OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS   SPELL CHECKER¹¹

Time   : 5/20/2025, 2:52:44 PM
Method   : POST
URL   : /api/cart/682c1d6206e0f042df58c452
Status Code : 201
Duration   : 346ms
IP Address   : ::ffff:127.0.0.1
User-Agent   : Thunder Client (https://www.thunderclient.com)
Content-Type : application/json
Query Params : {}
Route Params : {"id":"682c1d6206e0f042df58c452"}
Body   : {"quantity":23}
Referrer   : Direct
```

Atlas   Ankit's Org -...   Access Manager   Billing                    All Clusters   Get Help   Ankit

ShoppyGlobe       Data Services   Charts                                          VERSION  REGION
                                                                                  8.0.9    AWS Mumbai (ap-south-1)
ClusterO

Overview   Real Time   Metrics   Collections   Atlas Search   Query Insights   Performance Advisor   Online Archive   Cmd Line Tools   Inf

DATABASES: 1  COLLECTIONS: 3                                         VISUALIZE YOUR DATA   REFRESH

ShoppyGlobe.carts

STORAGE SIZE: 36KB   LOGICAL DATA SIZE: 106B   TOTAL DOCUMENTS: 1   INDEXES TOTAL SIZE: 36KB

Find   Indexes   Schema Anti-Patterns   Aggregation   Search Indexes

Generate queries from natural language in Compass                              INSERT DOCUMENT

Filter    Type a query: { field: 'value' }                    Reset   Apply   Options

QUERY RESULTS: 1-1 OF 1

    _id: ObjectId('682c49e4263810352c022470')
    productId : ObjectId('682c1d6206e0f042df58c452')
    quantity : 23
    createdAt : 2025-05-20T09:22:44.211+00:00
    updatedAt : 2025-05-20T09:22:44.211+00:00
    __v : 0

# 🔄 4. PUT Request on Cart

- **Scenario:** API URL is `http://localhost:portNumber/api/cart/{productId}` with token.
- **Expected:** Should update cart item.
- **Actual:** Cart updated successfully.

- **HTTP Status:** 200 OK





# ❌ 5. DELETE Request on Cart

- **Scenario:** API URL is `http://localhost:portNumber/api/cart/{productId}` with token.
- **Expected:** Should delete item from cart.

- **Actual:** Cart item deleted.
- **HTTP Status:** 200 OK