# **ShoppyGlobe Backend: CRUD Operations with Screenshots**

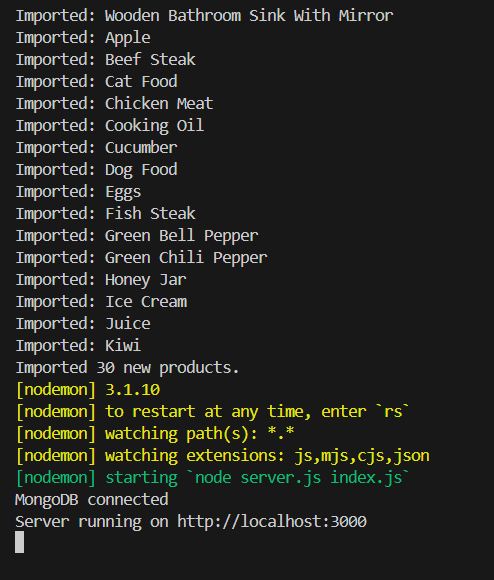
## **1. Import Products (via npm run import or npm run dev)**

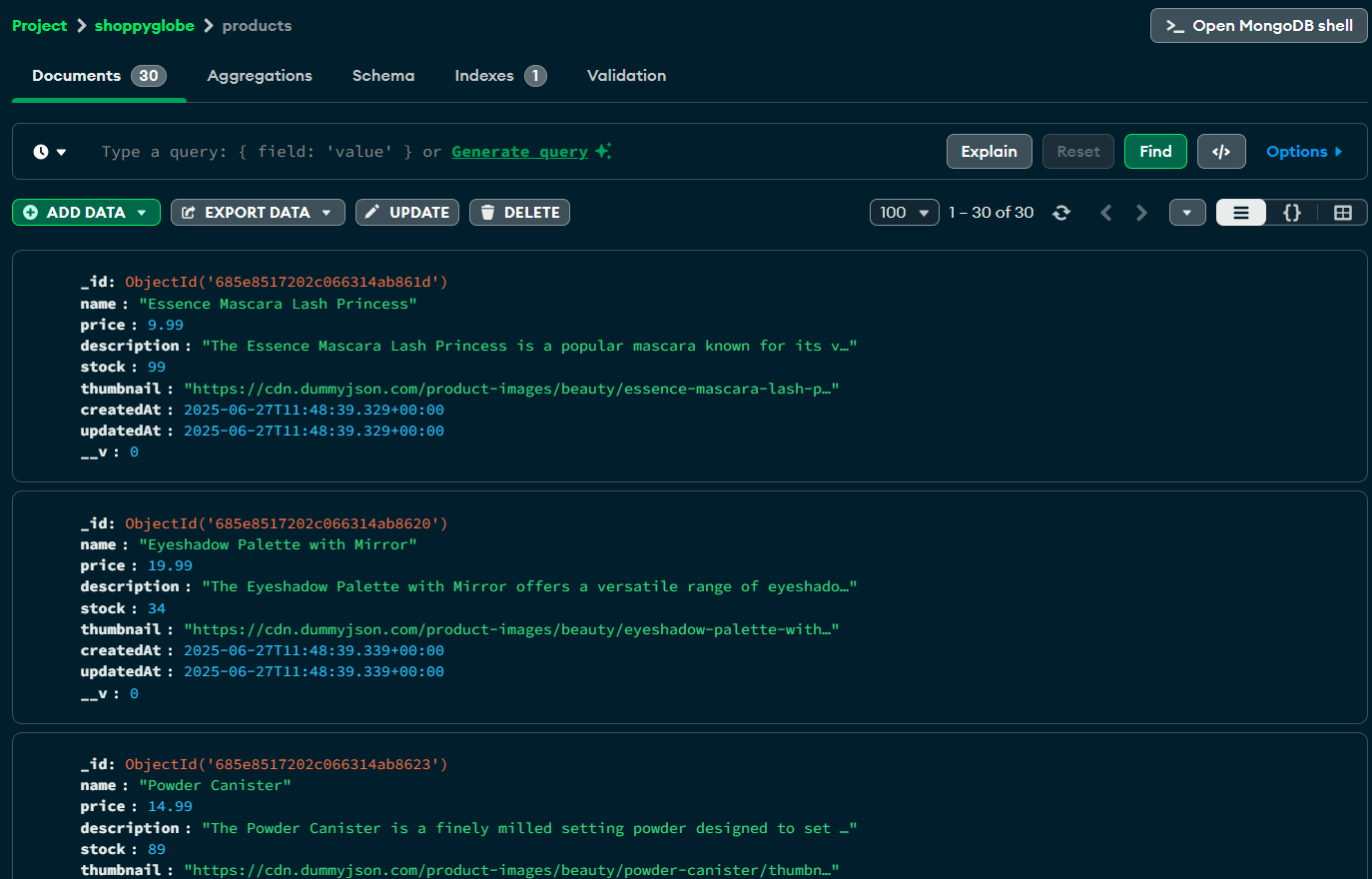
**Description:** Running the import script before the index.js to seed DummyJSON products into MongoDB.

npm run dev # or node scripts/importProduct.js(seprately)

**Success Example:**

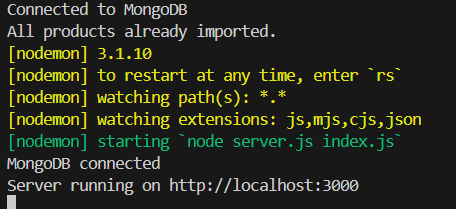
* Imported 30 new products.





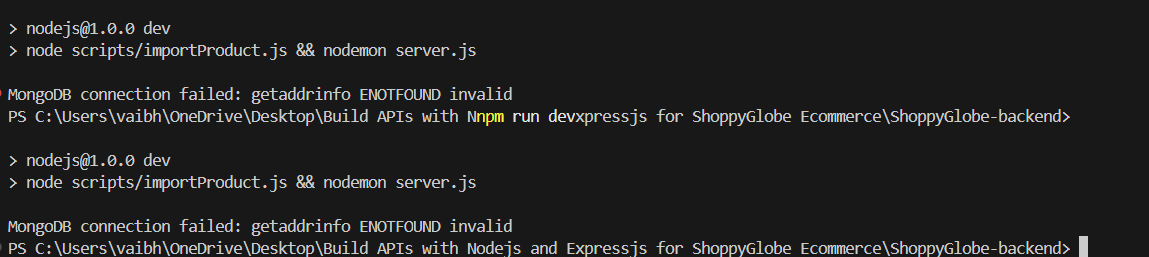
Or:

* All products already imported.



**Error Example:**

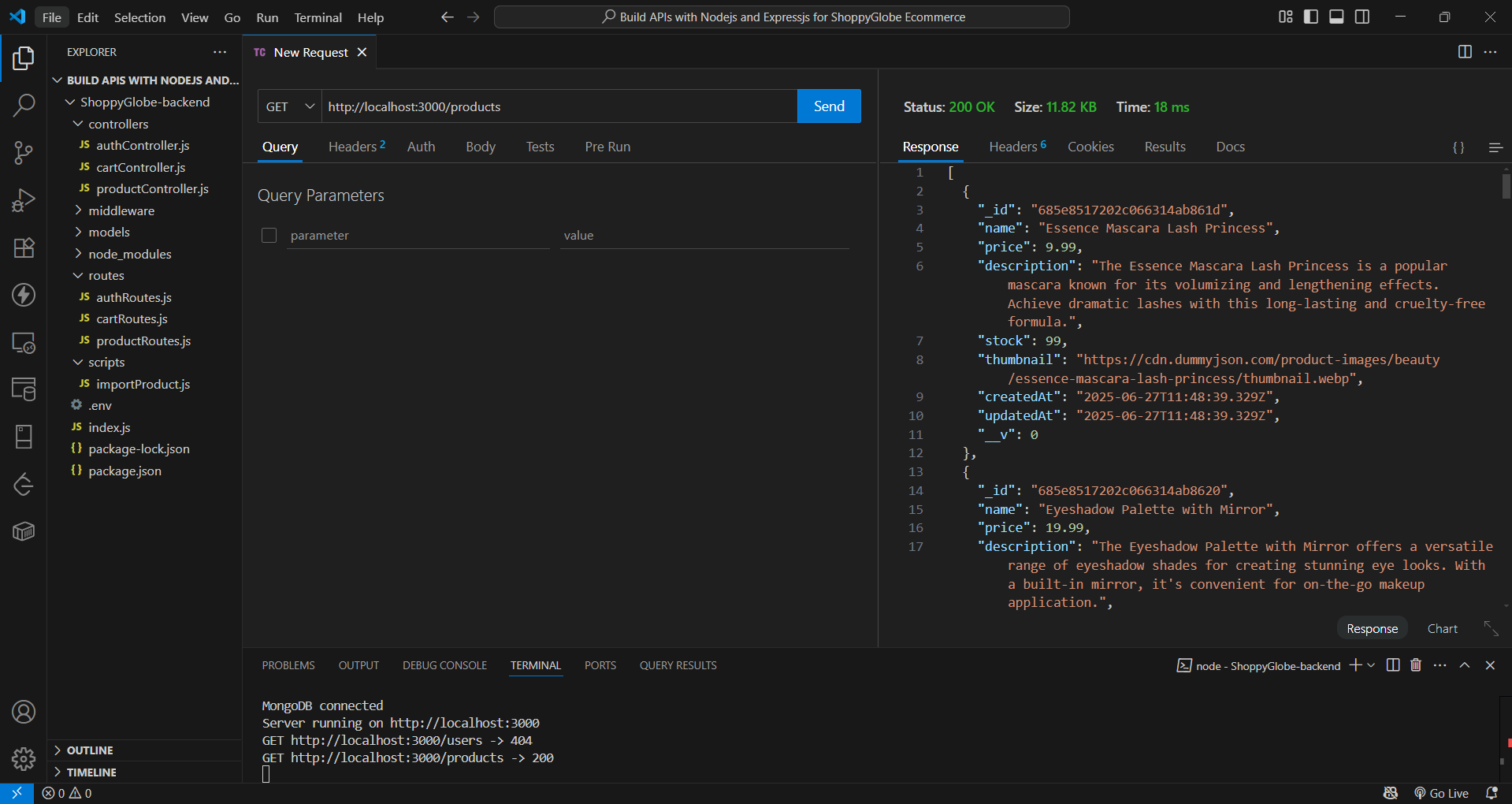
MongoDB connection failed:



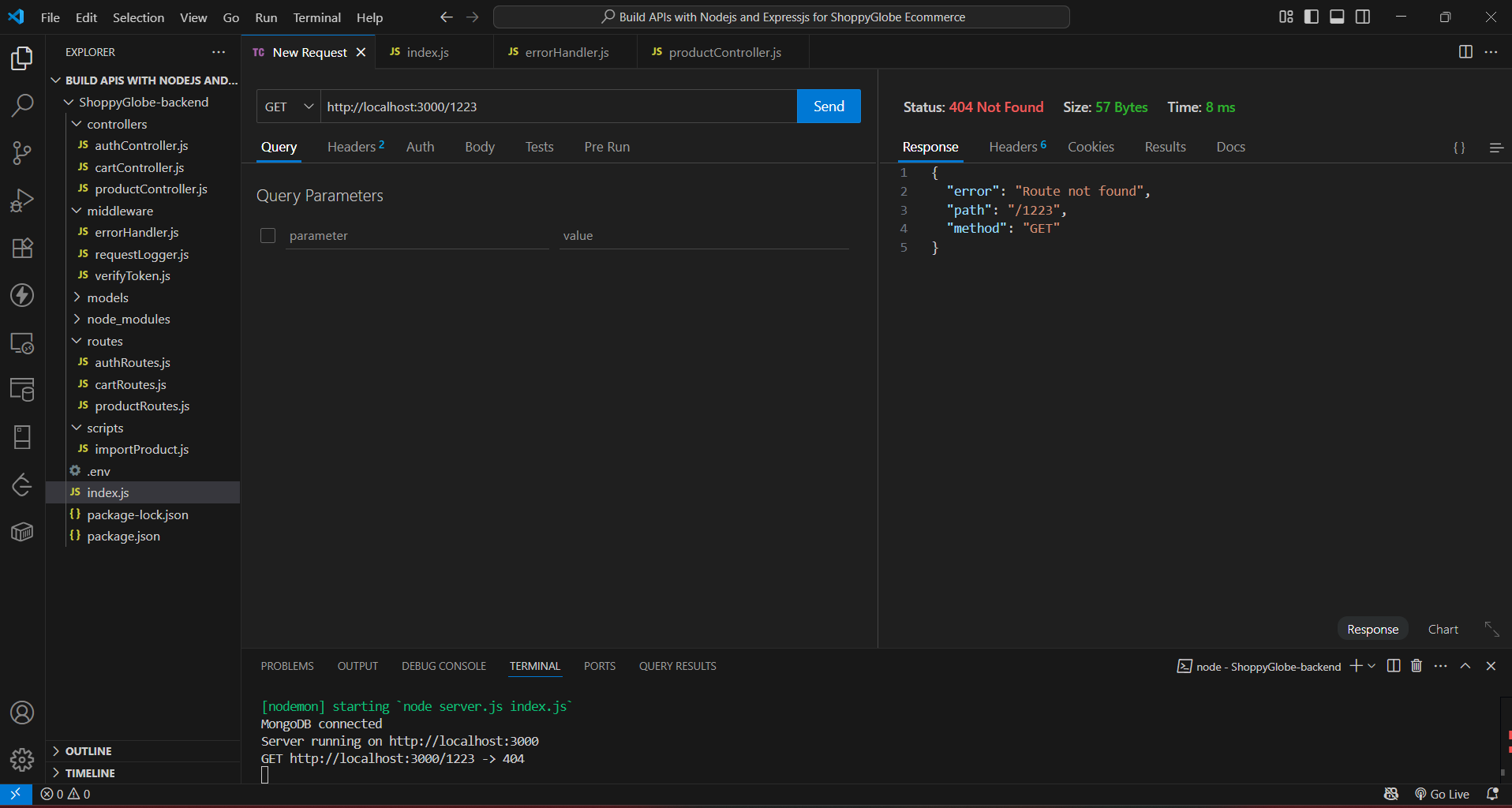
## **2. GET - All Products**

**Route:** GET /products

**Success Response (200):**



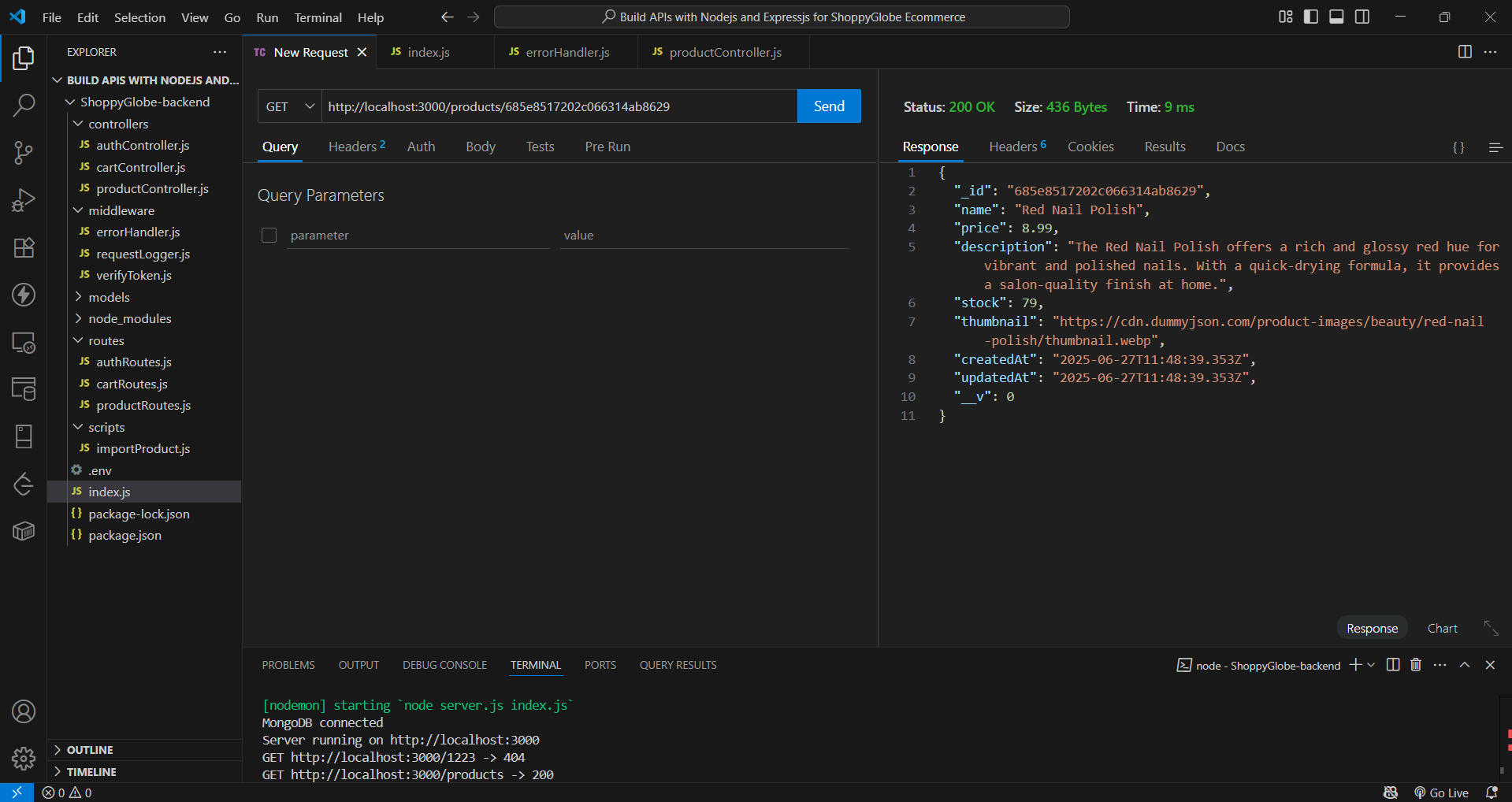
**Error Response(Route not found:**

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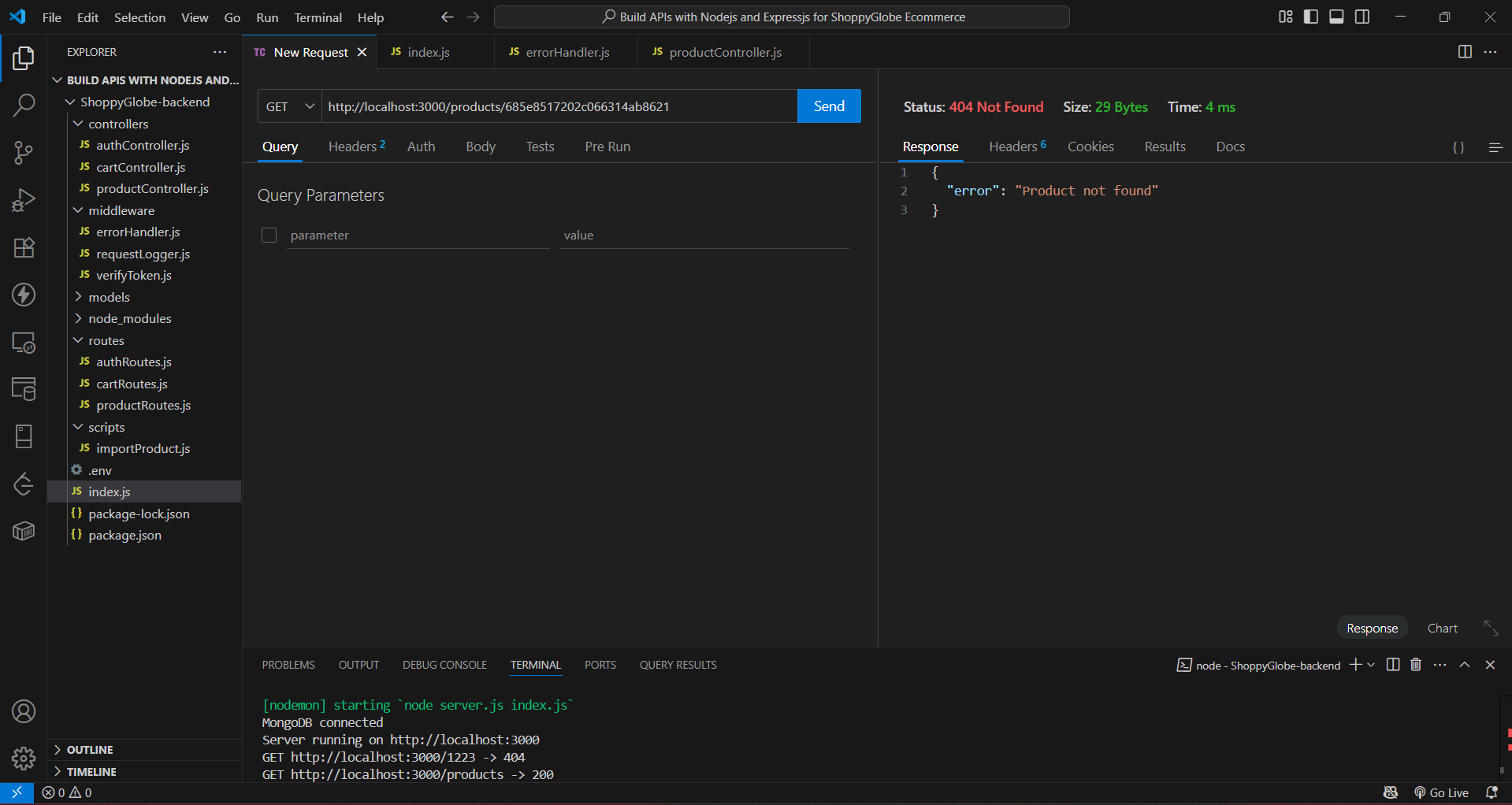
## **3. GET - Single Product by ID**

**Route:** GET /products/:id

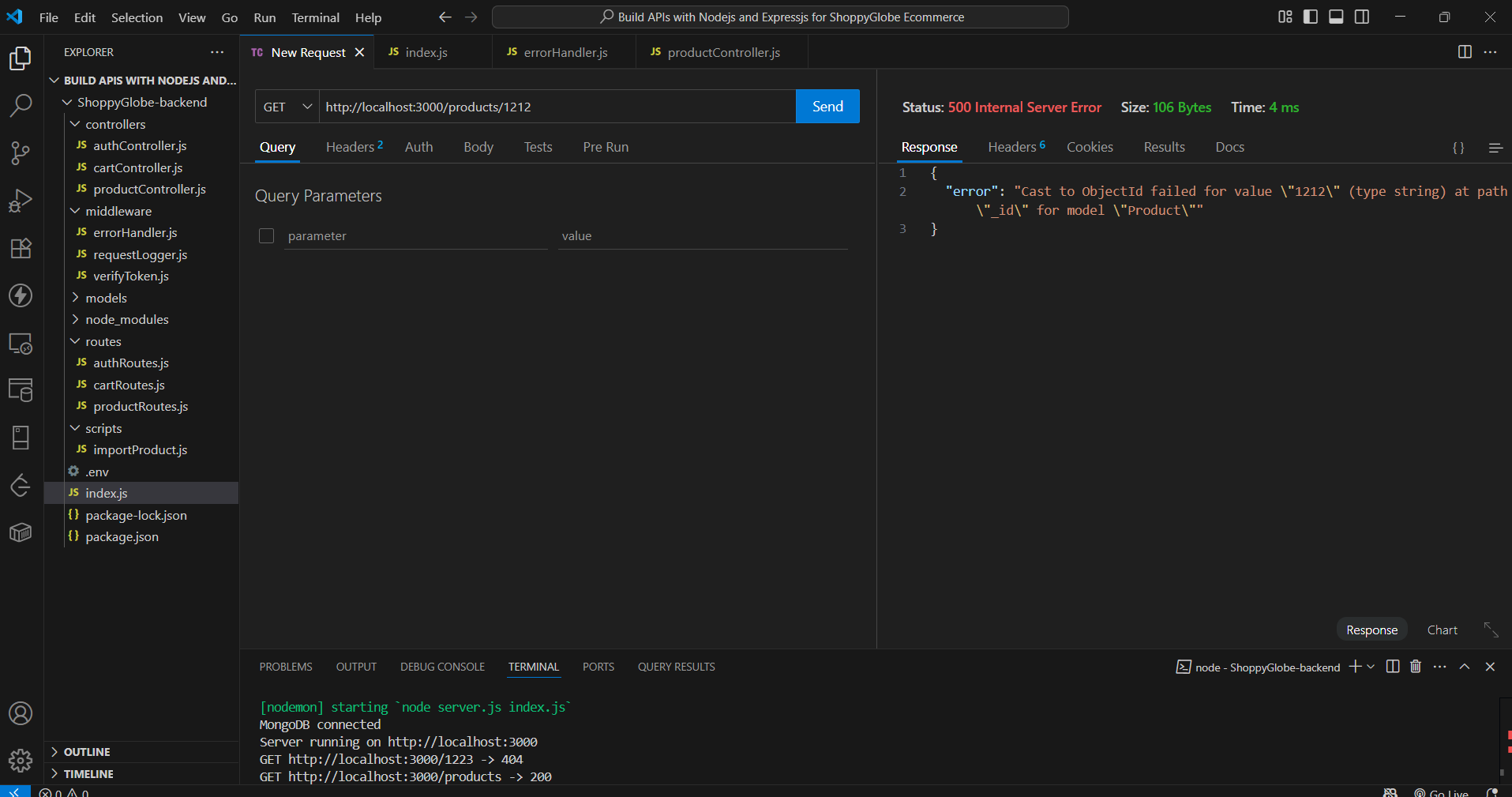
**Success Response (200):**



**Error Response (404 - Not Found):**



**Error Response (500 - Invalid ID):**



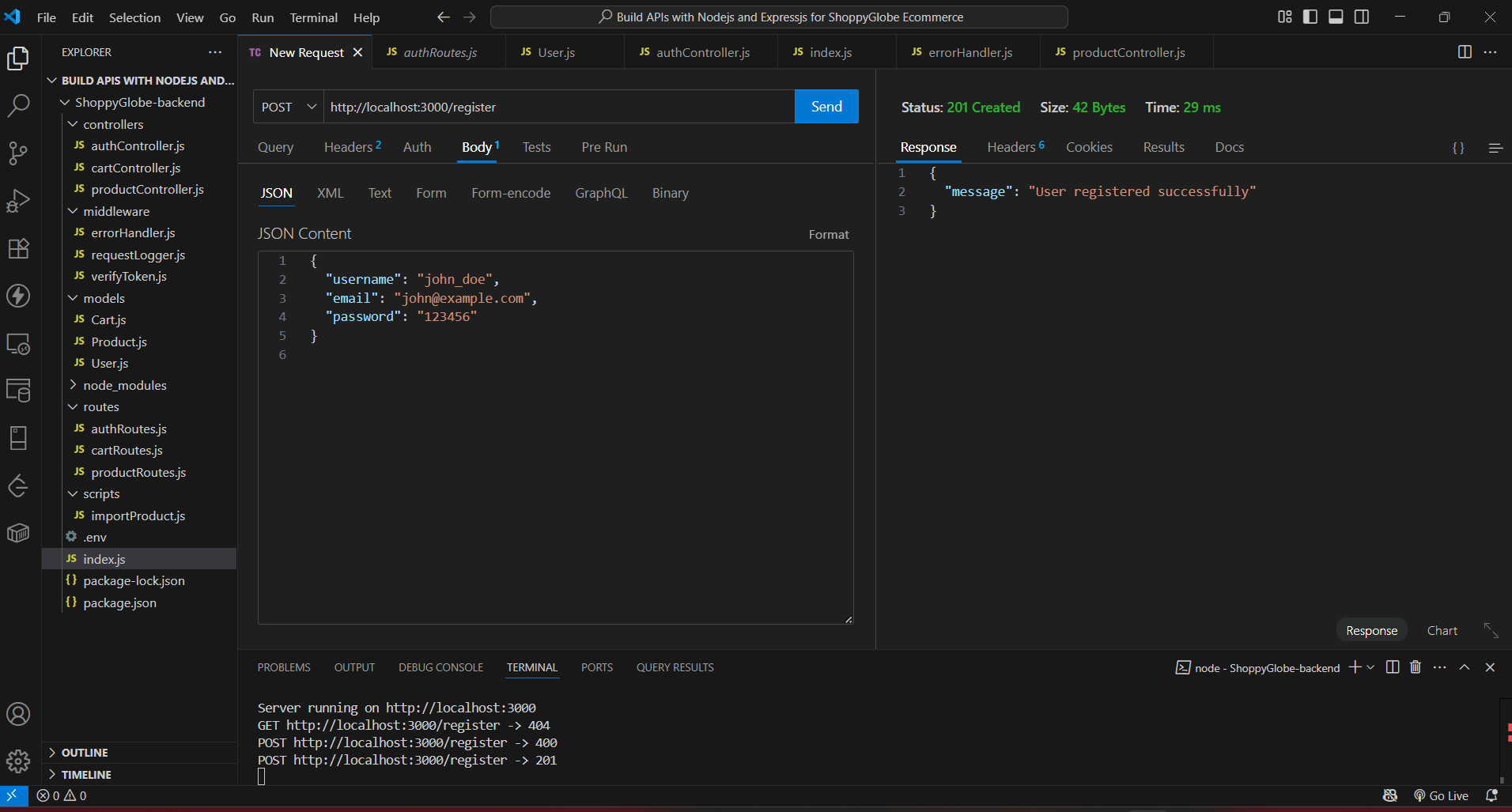
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## **4. User Authentication**

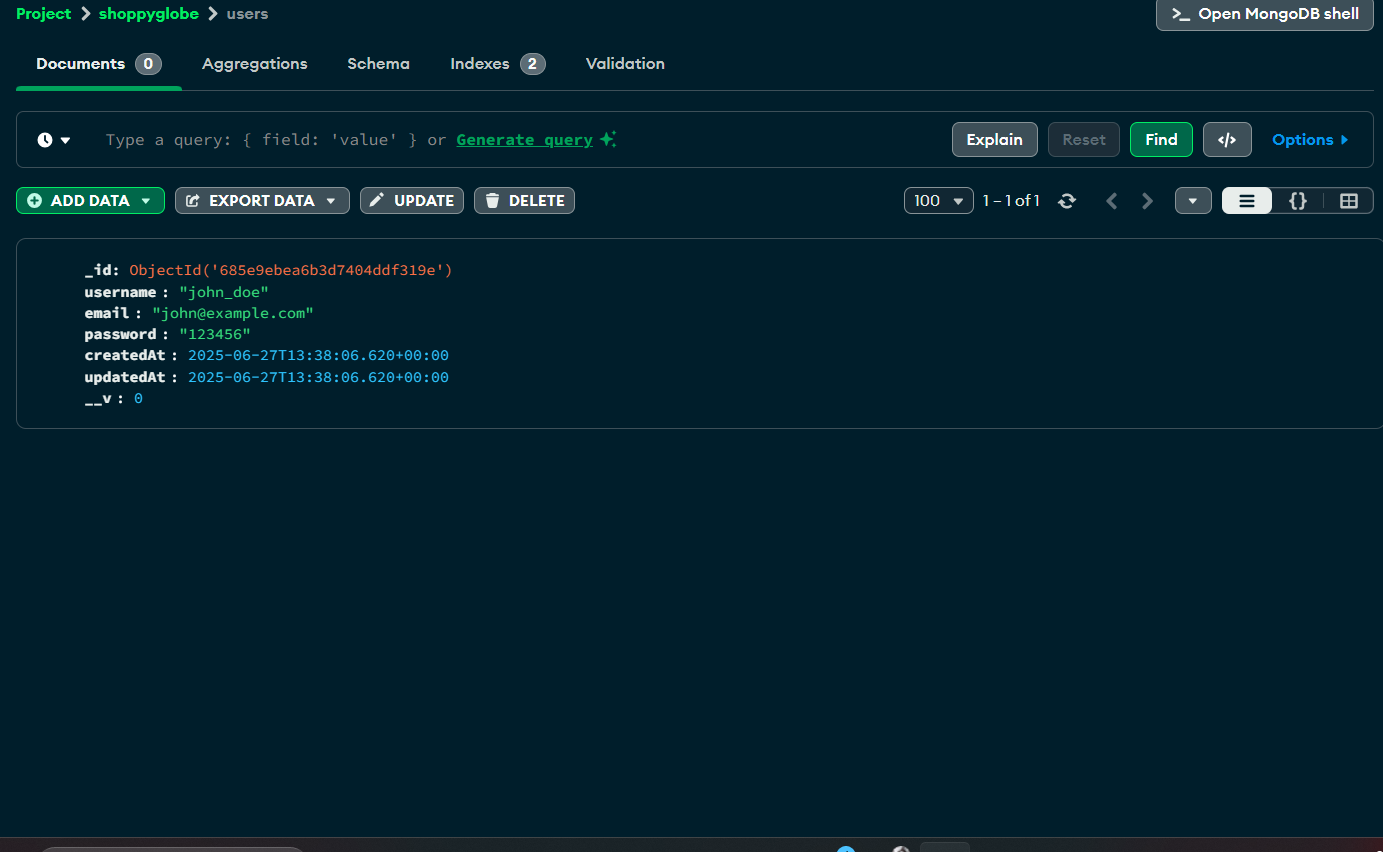
#### **A. Register New User**

**Route:** POST /register

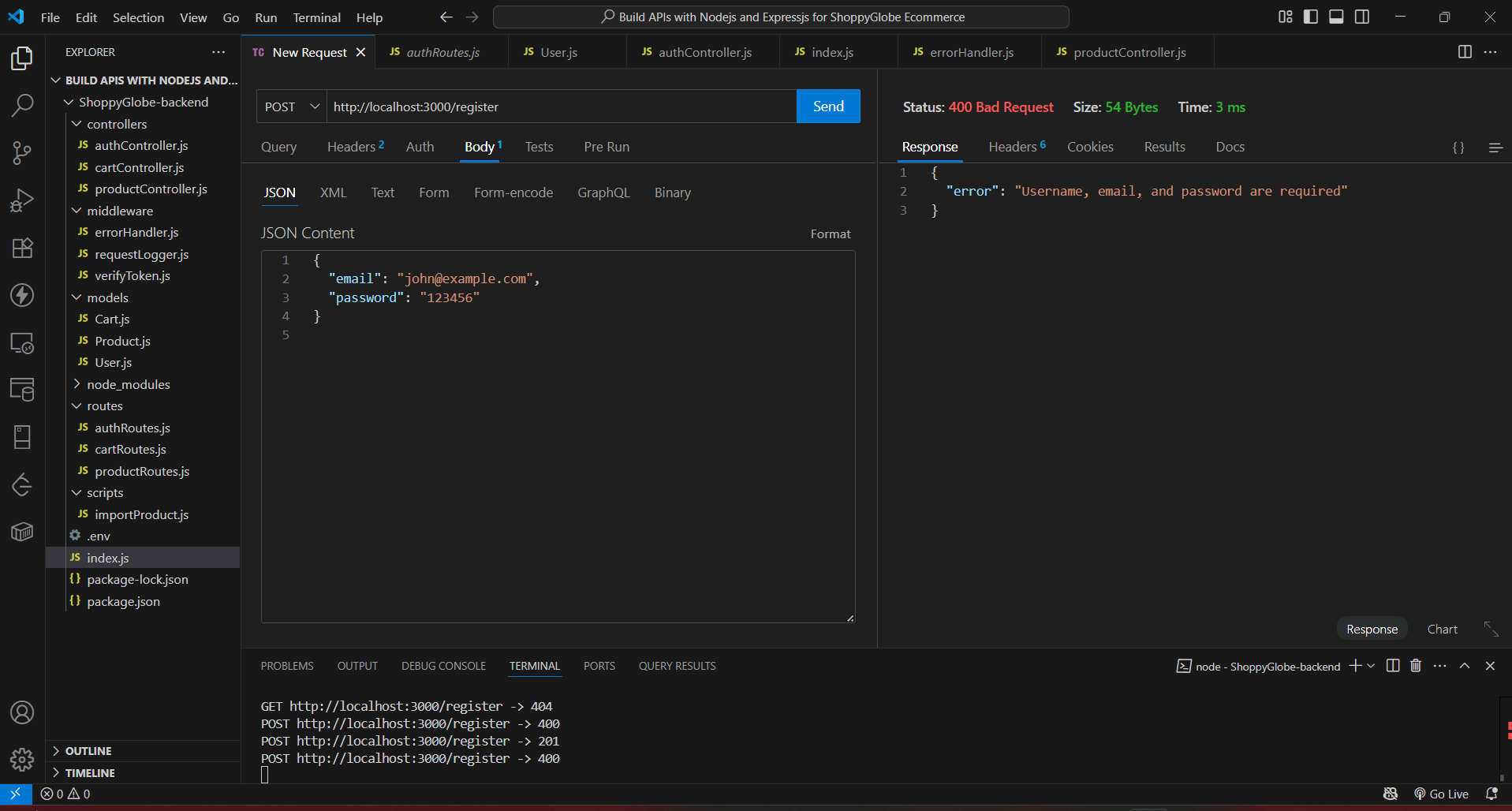
**Success Response (201):**



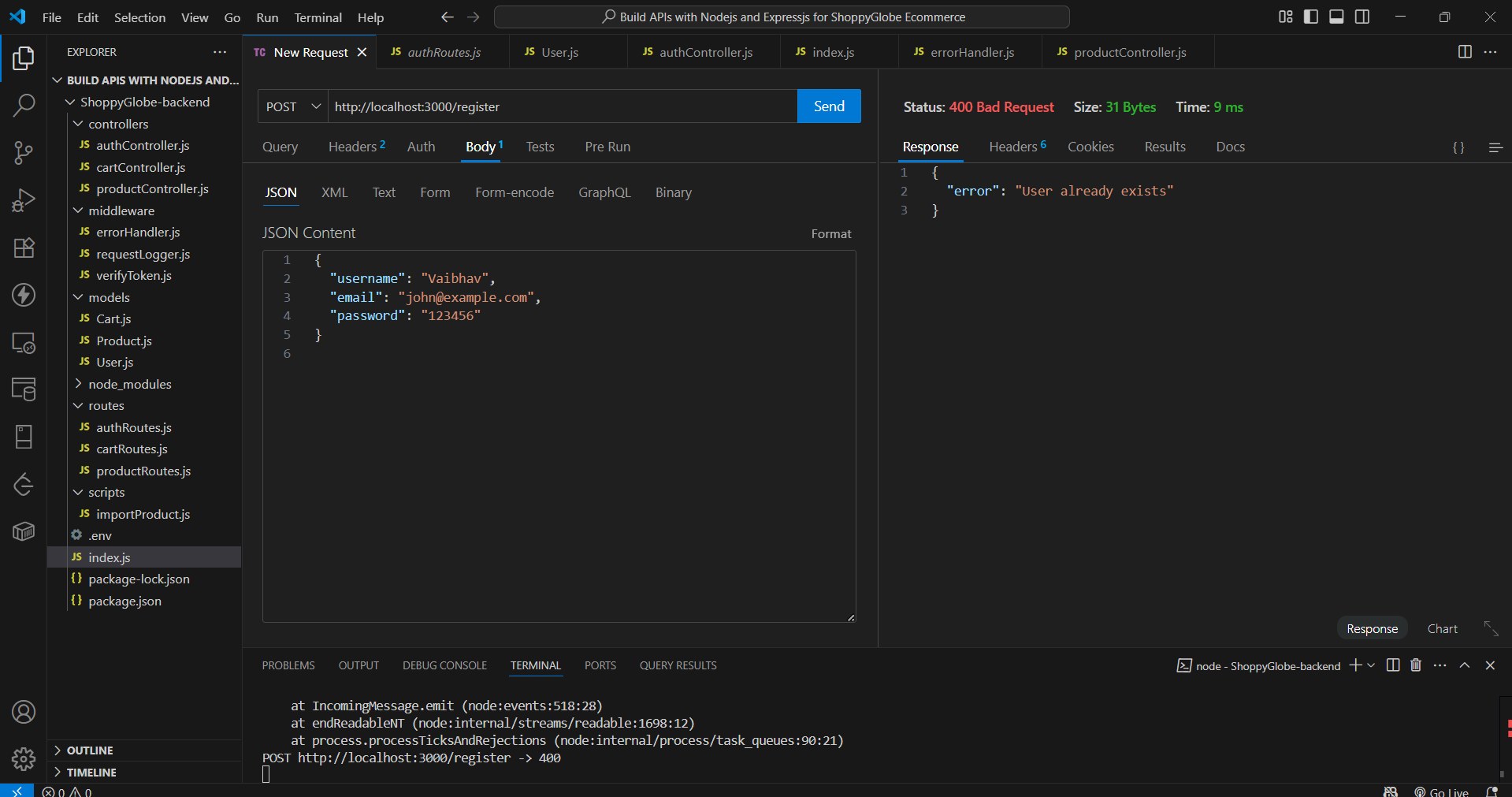
**MongoDB Compass showing added user.**

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**Error Response (400 - Missing Fields):**



**Error Response (409 - Duplicate Email):**

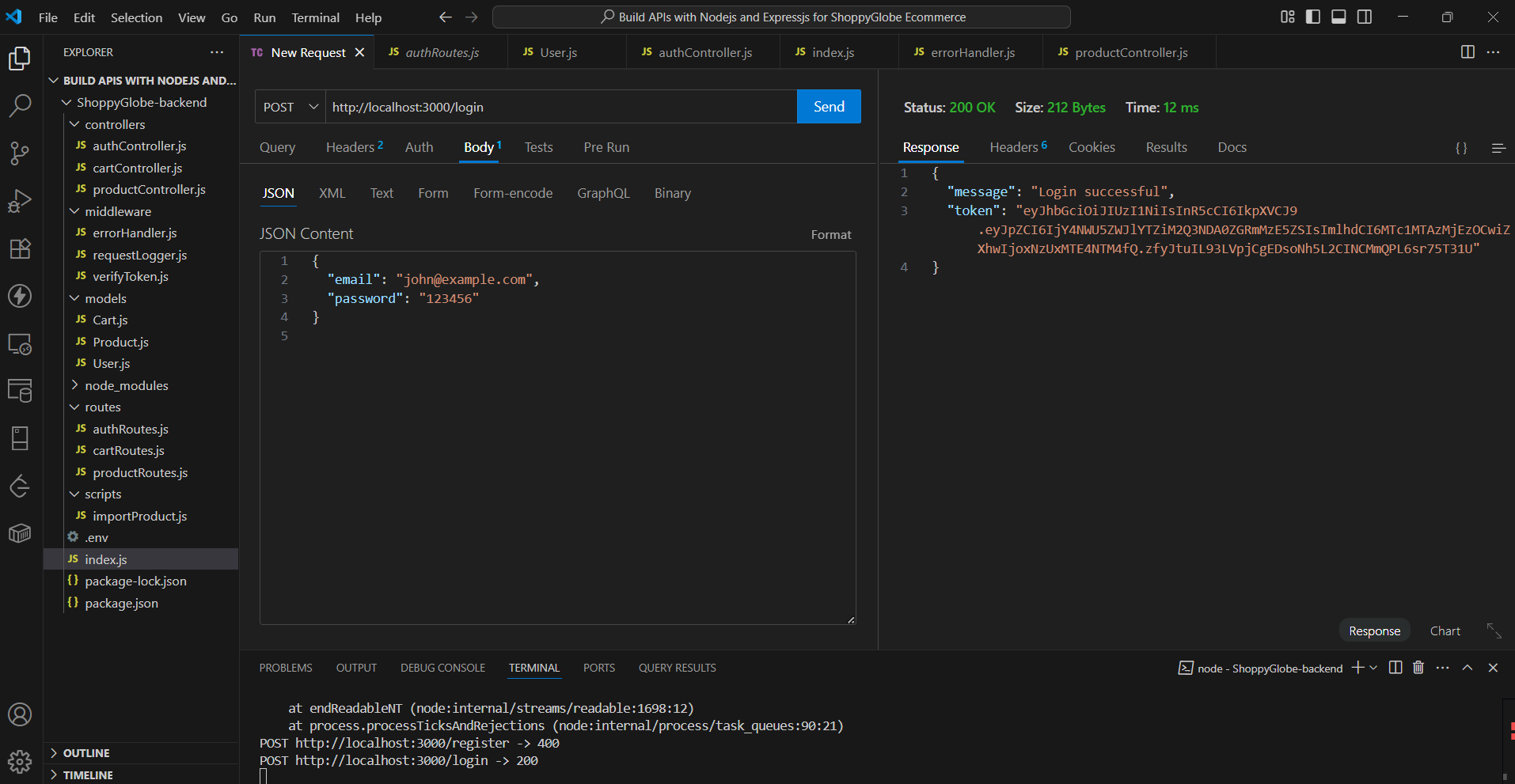


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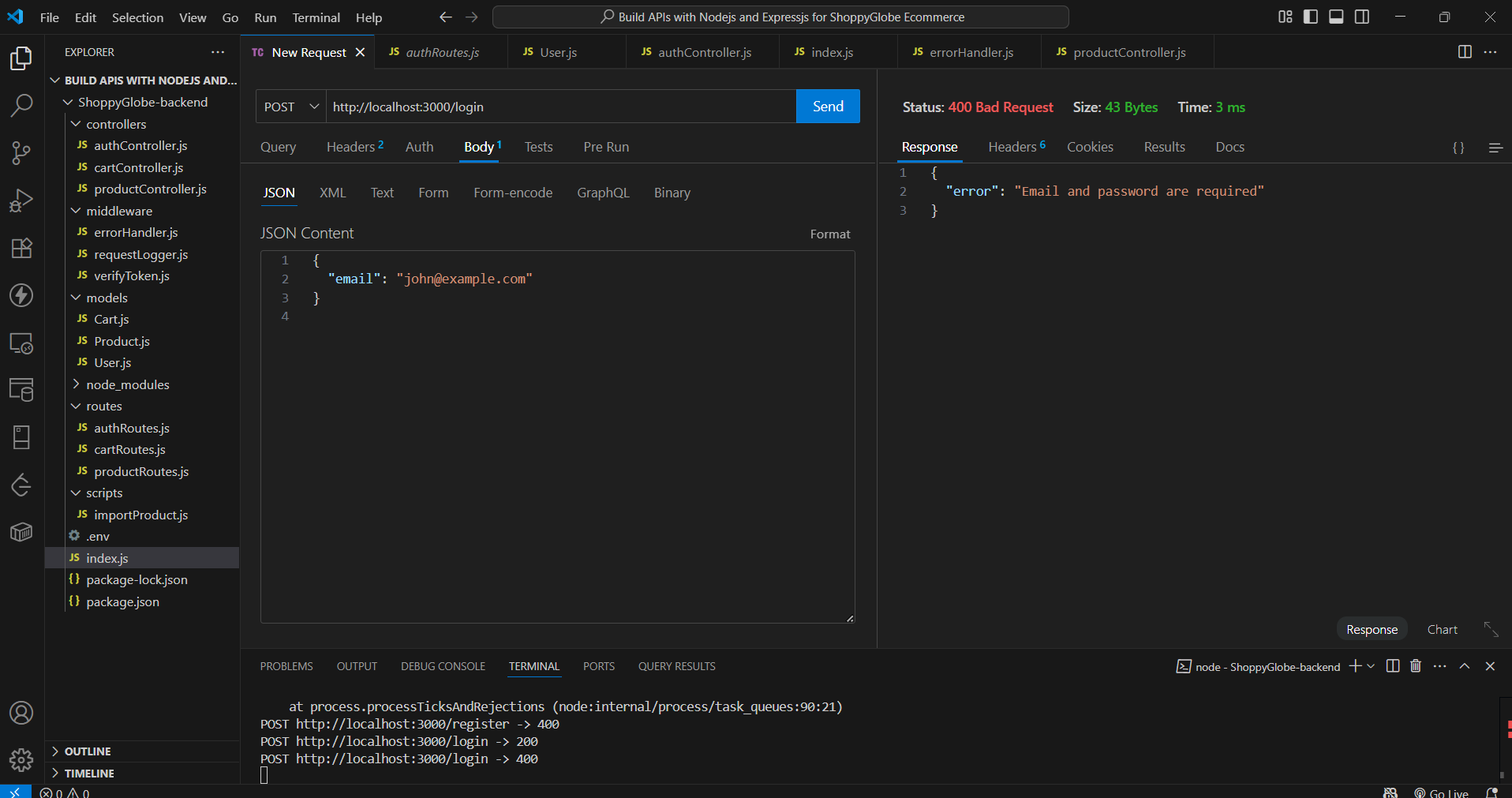
#### **B. Login User**

**Route:** POST /login

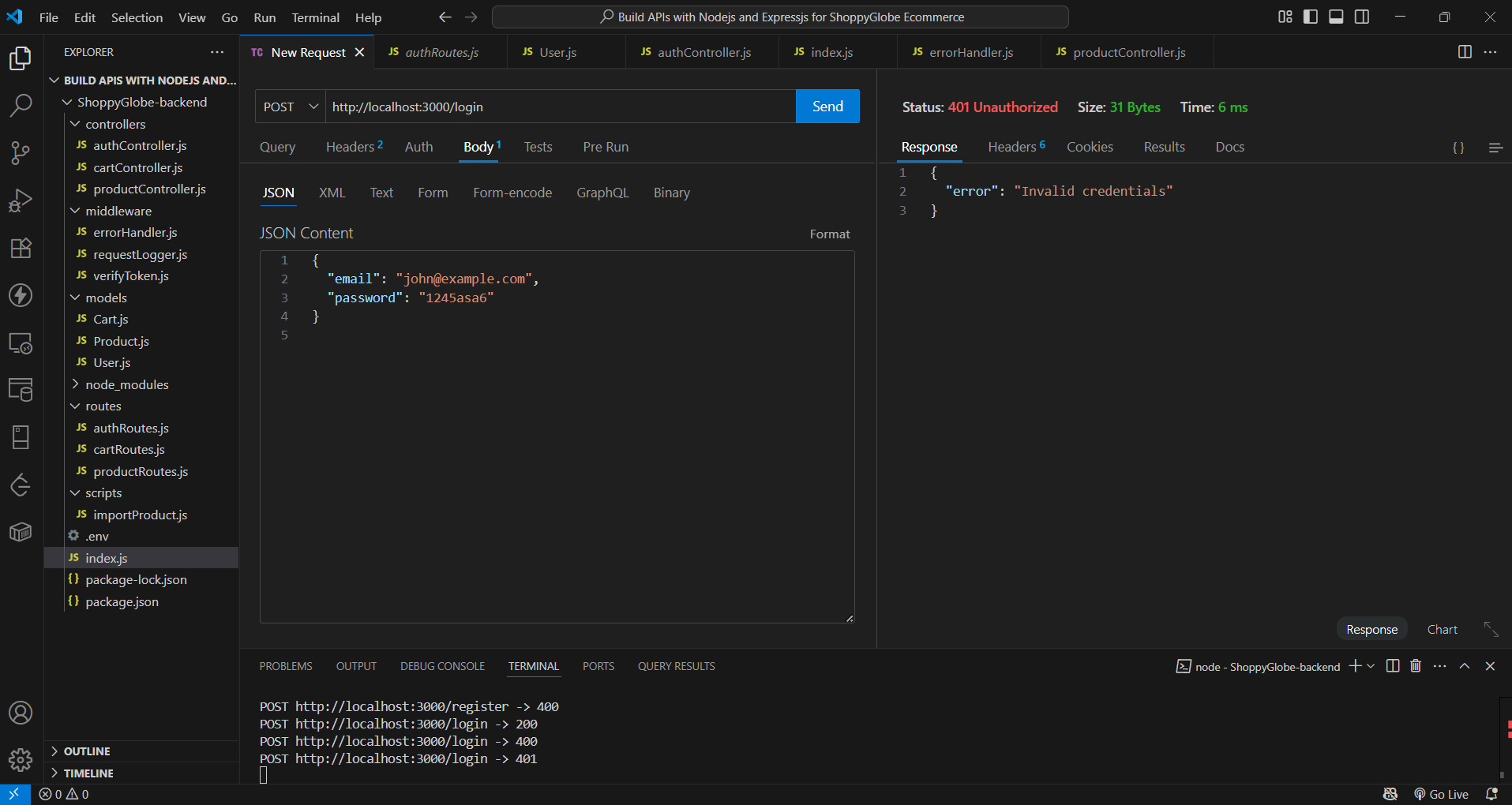
**Success Response (200):**



**Error Response (400 - Missing Fields):**



**Error Response (401 - Invalid Credentials):**

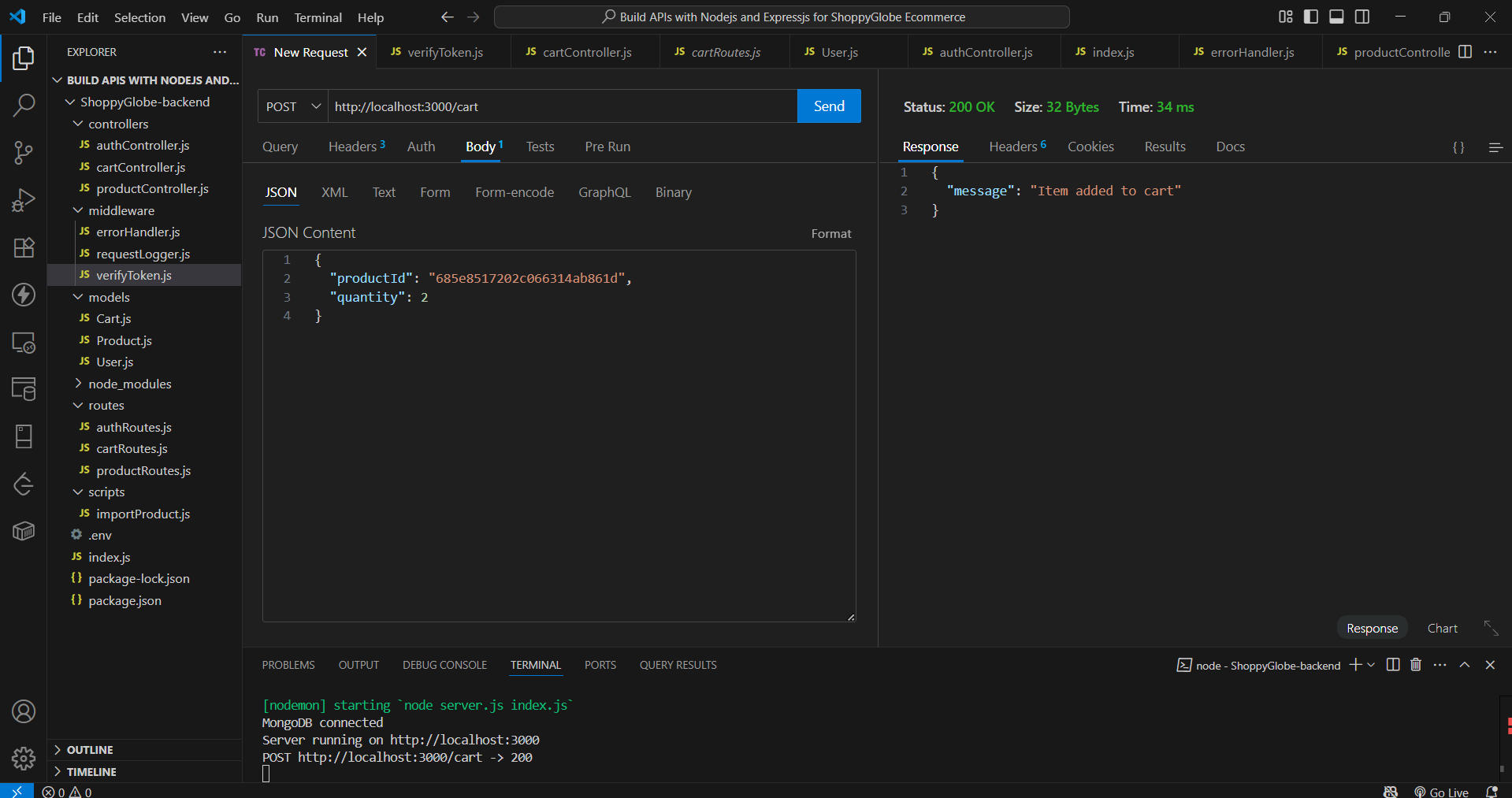
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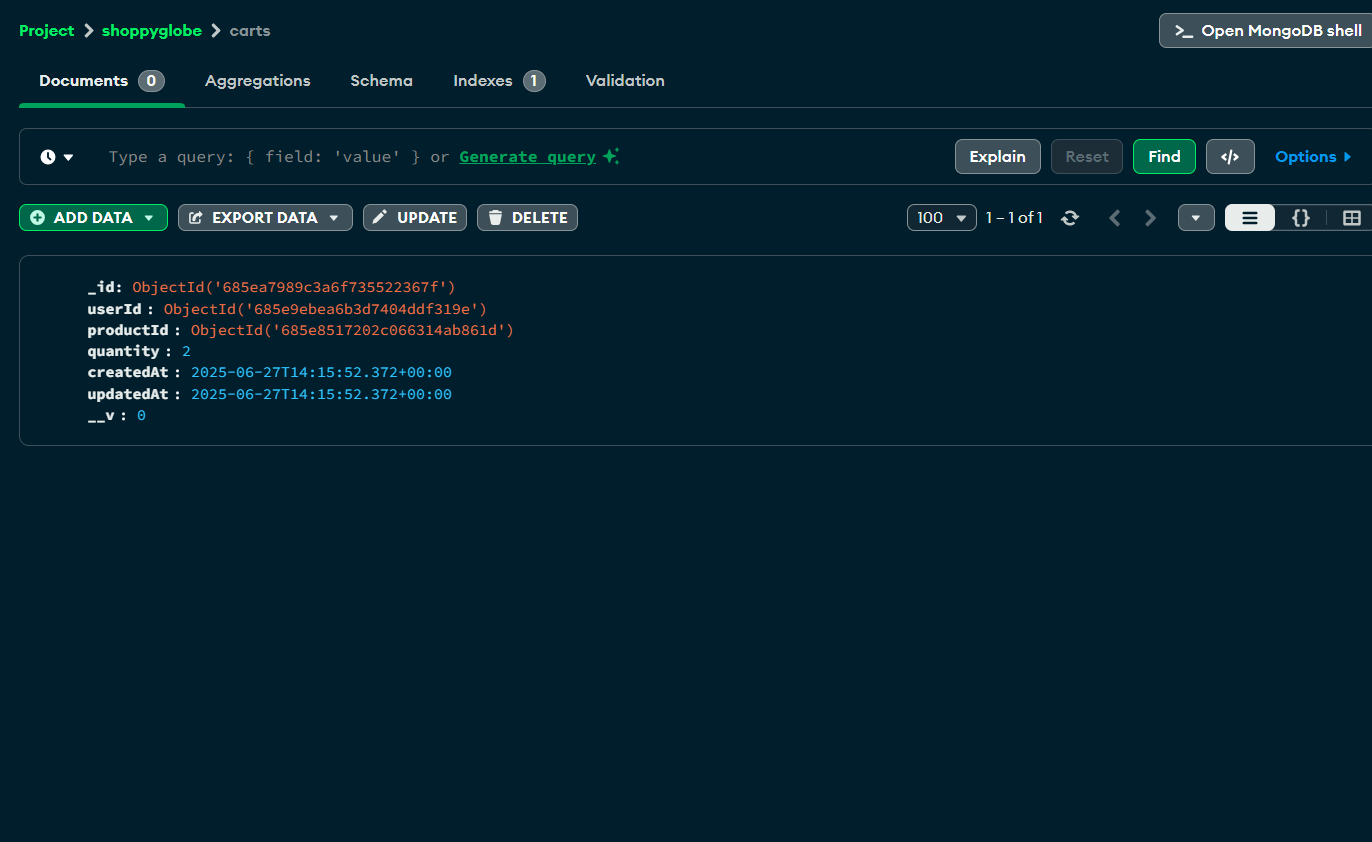
## **5. POST to Cart (Add Item)**

**Route:** POST /cart  
**Headers:** Authorization: JWT <token>

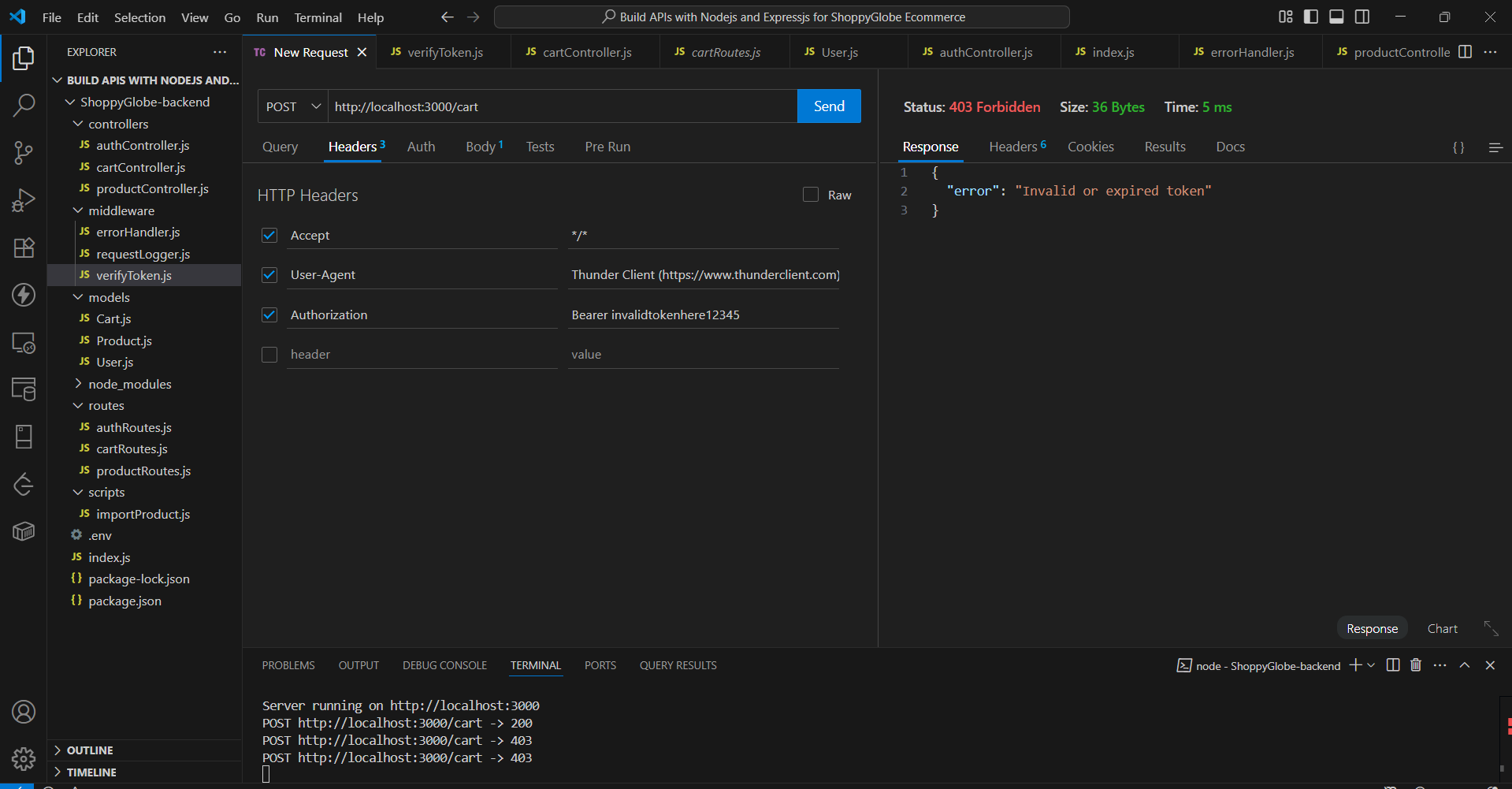
**Success Response (200):**



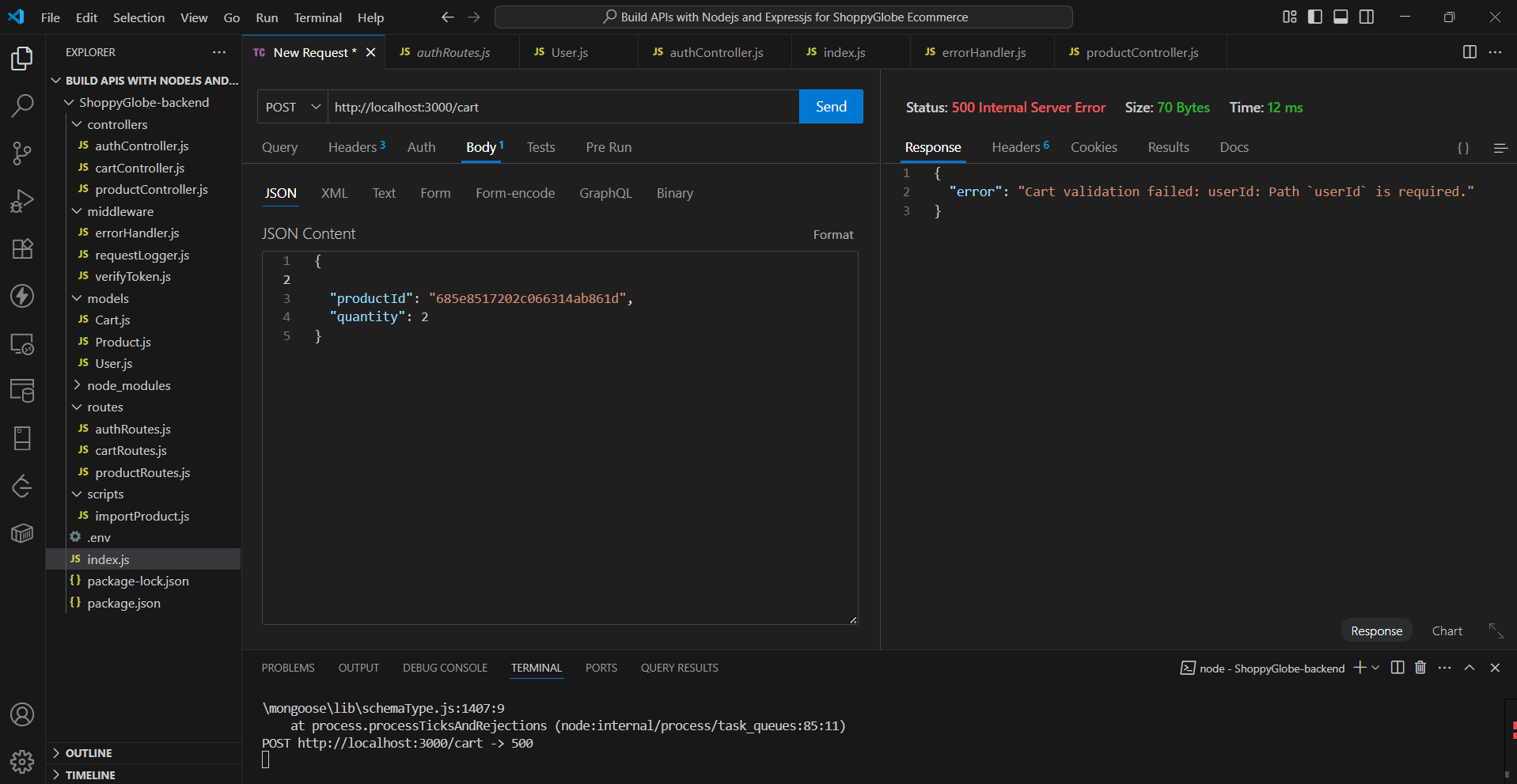
**Mongo Compass Item has added to the database**



**Error Response (401 - Unauthorized):**

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**Error Response (400 - Validation Error):**

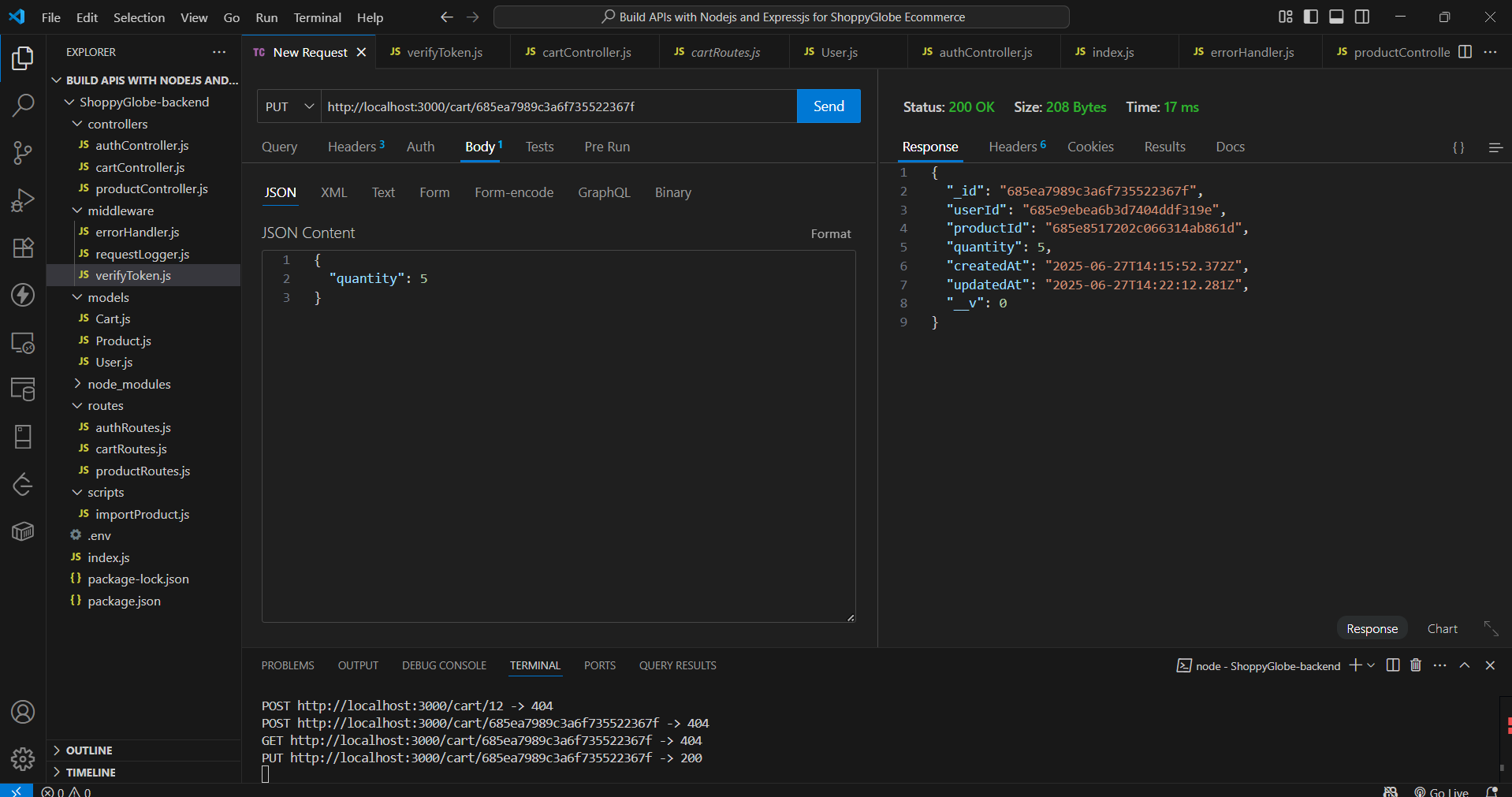


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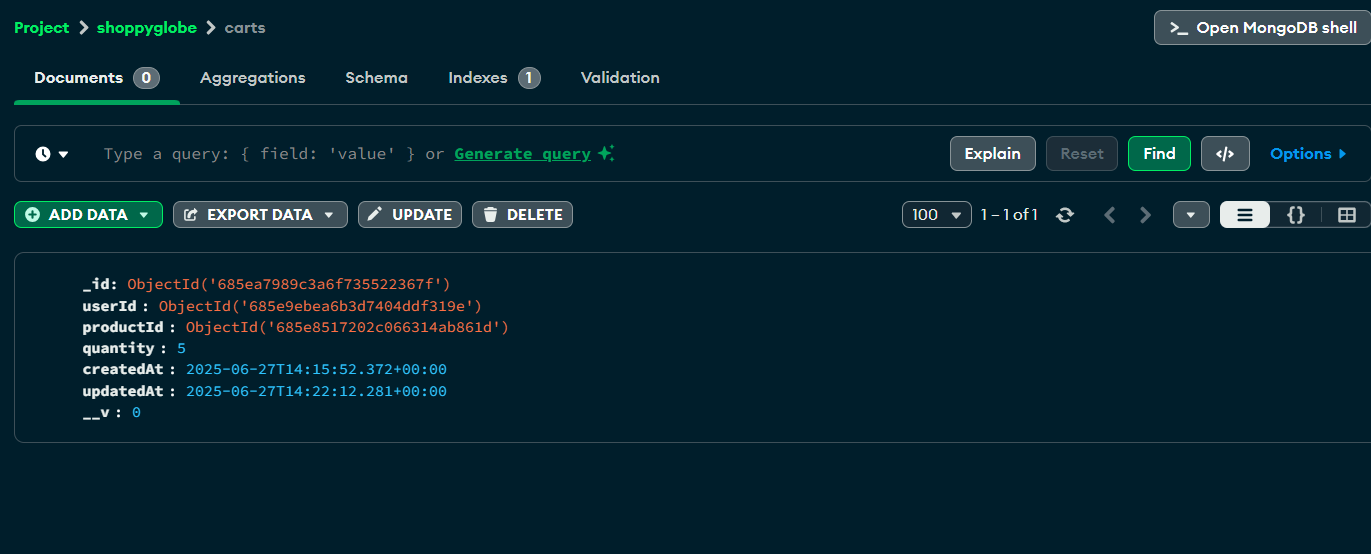
## **5. PUT to Cart (Update Quantity)**

**Route:** PUT /cart/:id  
**Headers:** Authorization: JWT <token>

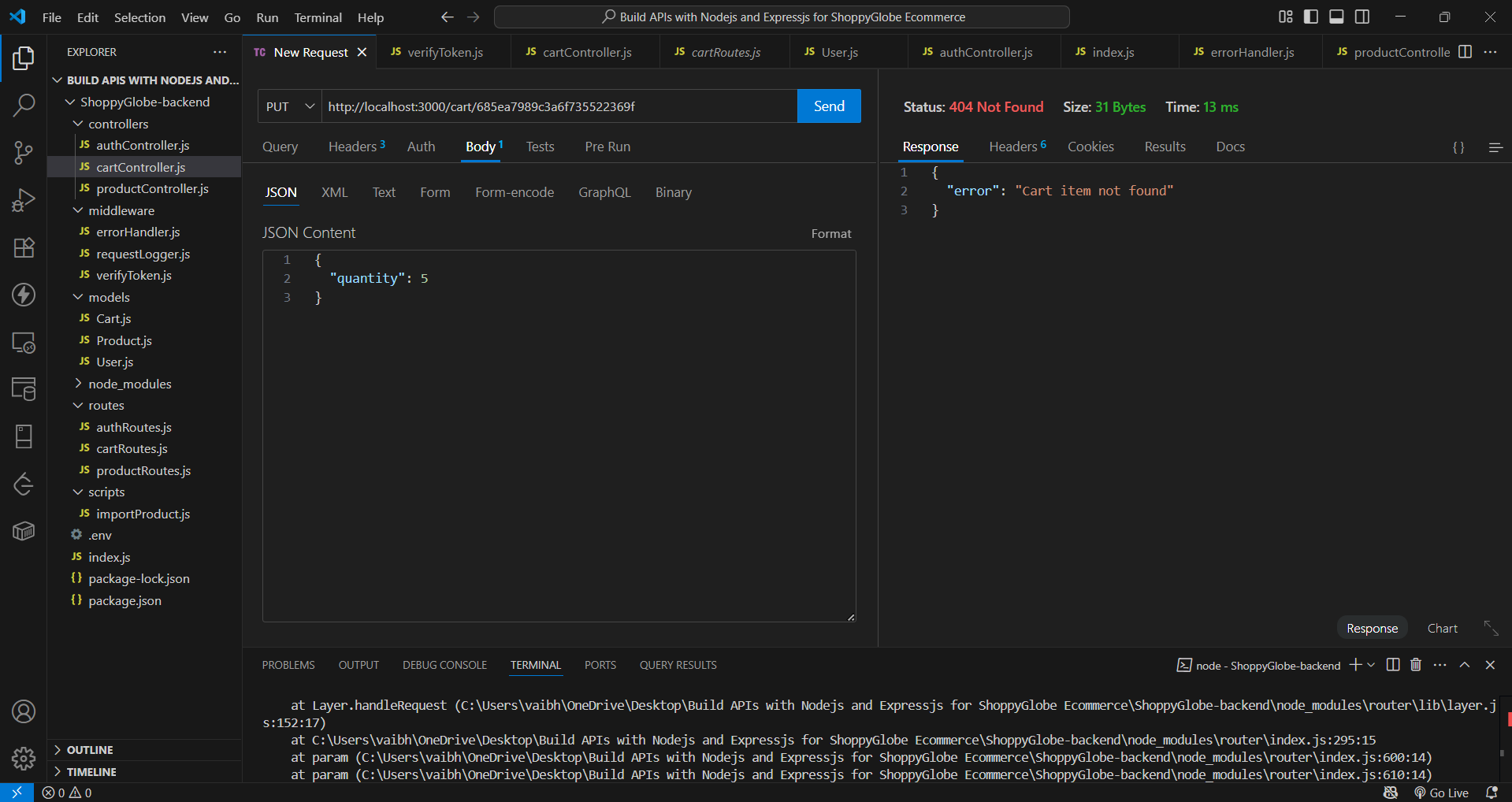
**Success Response (200):**



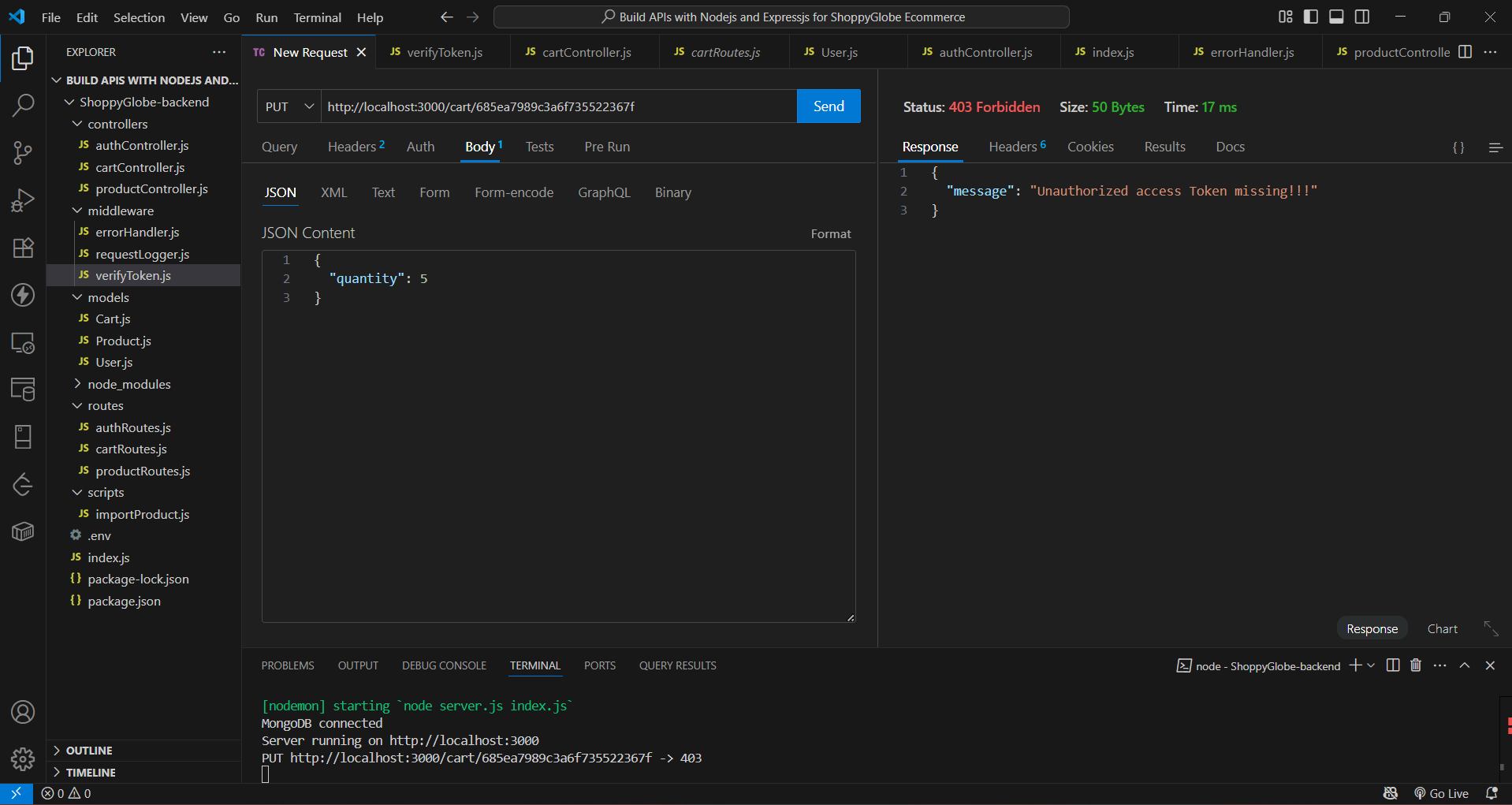
**Mongo Compass Updated:**

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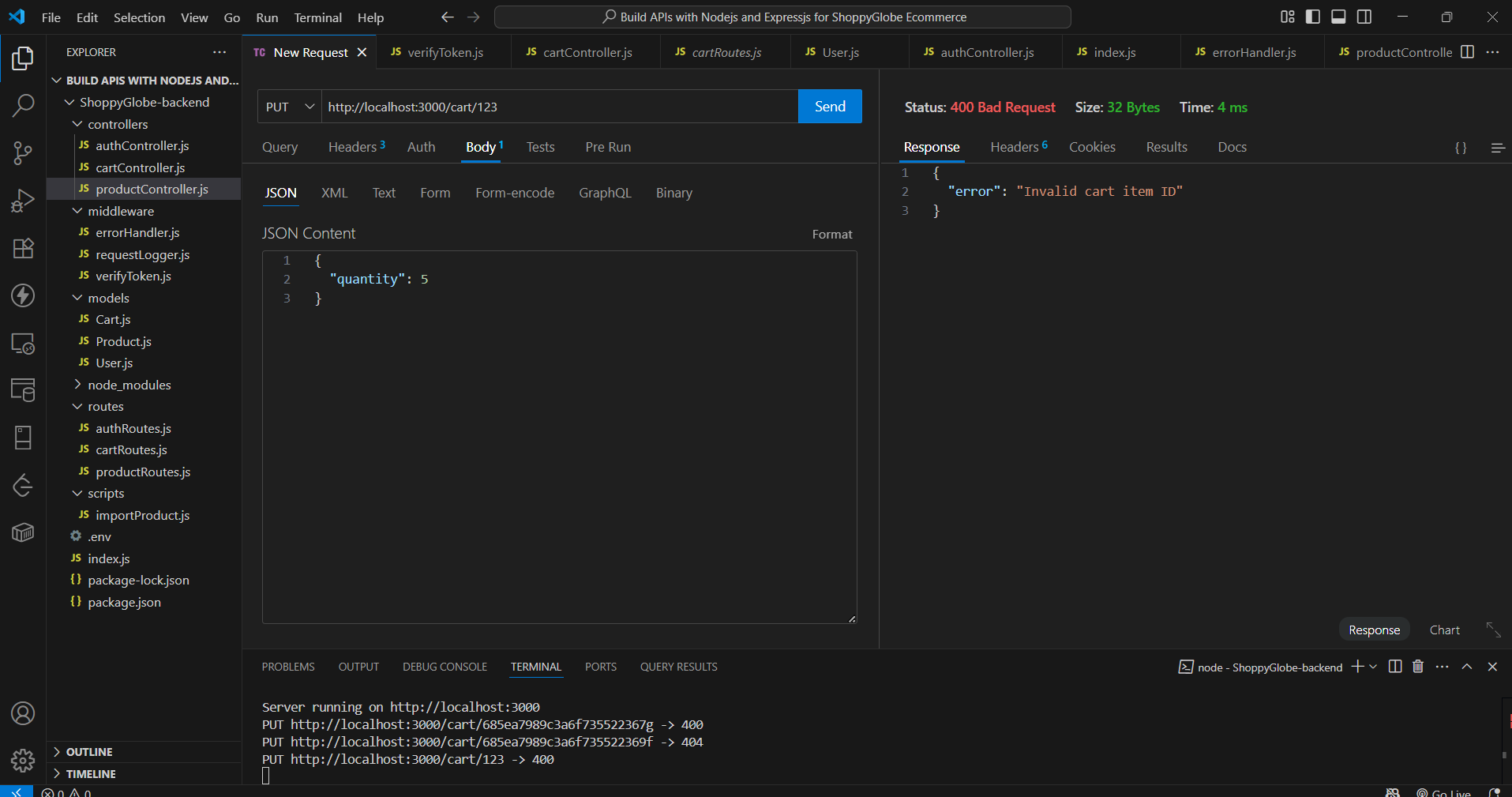
**Error Response (404):**



**Error Response (401):**



**Error Response (404):**

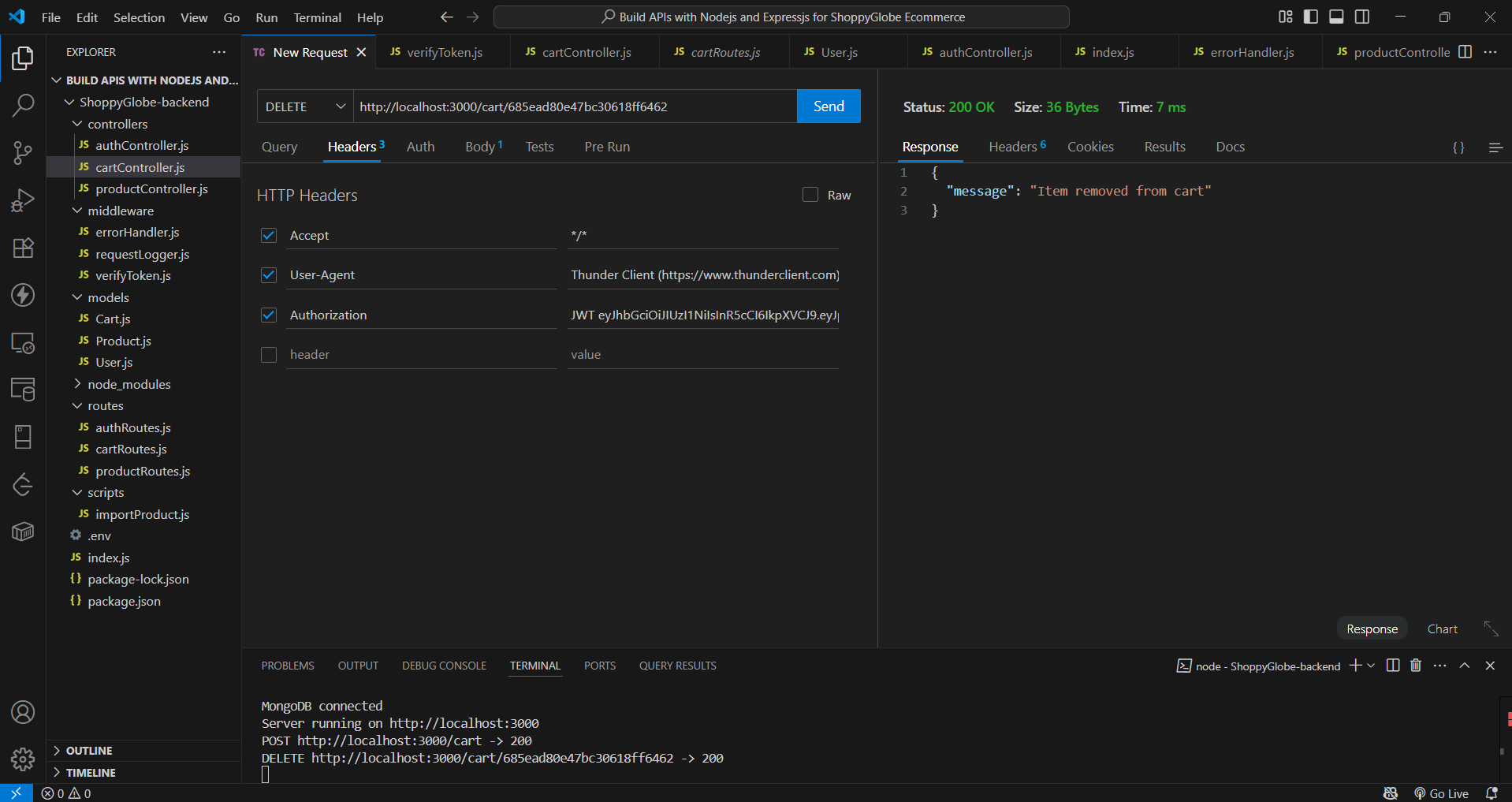
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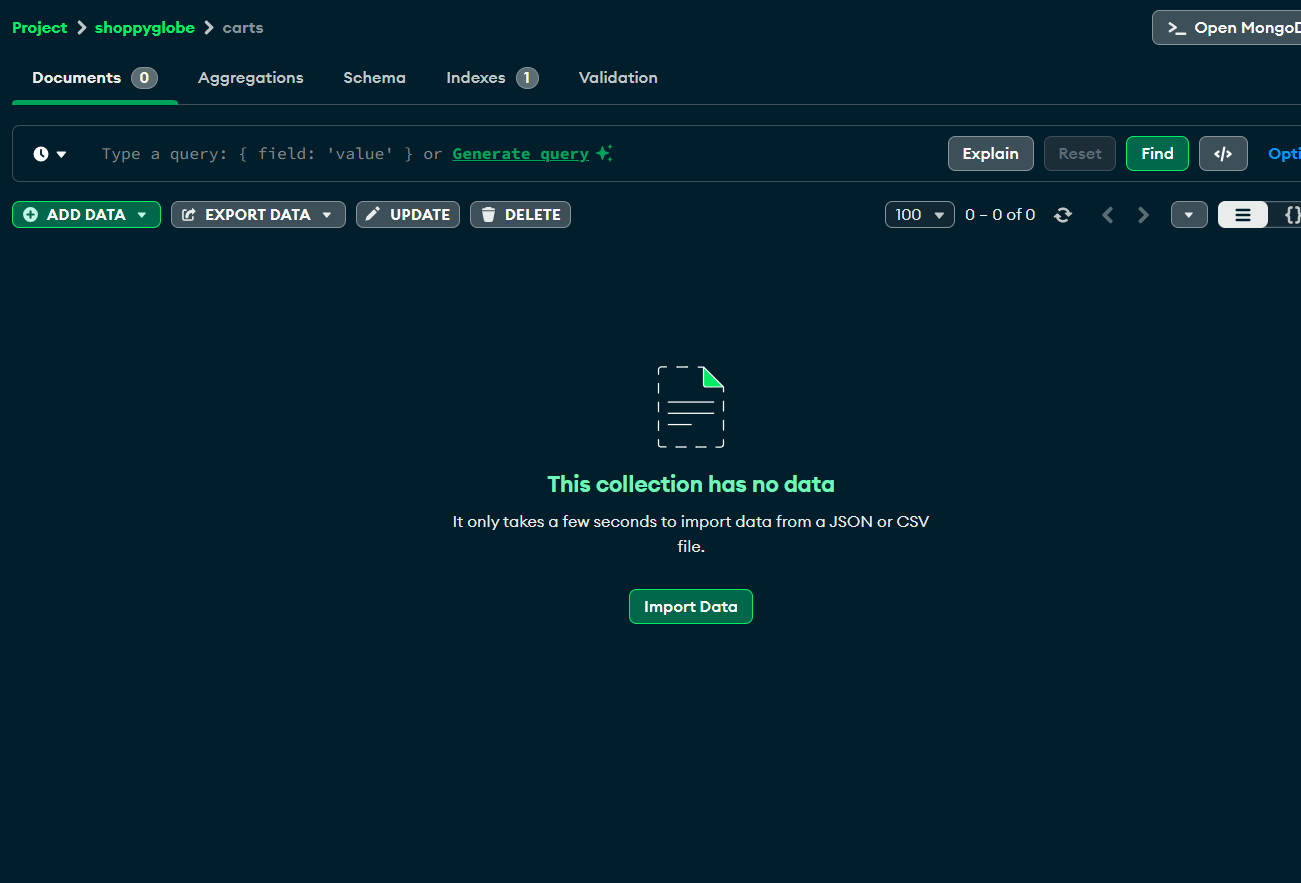
## **6. DELETE Cart Item**

**Route:** DELETE /cart/:id  
**Headers:** Authorization: JWT <token>

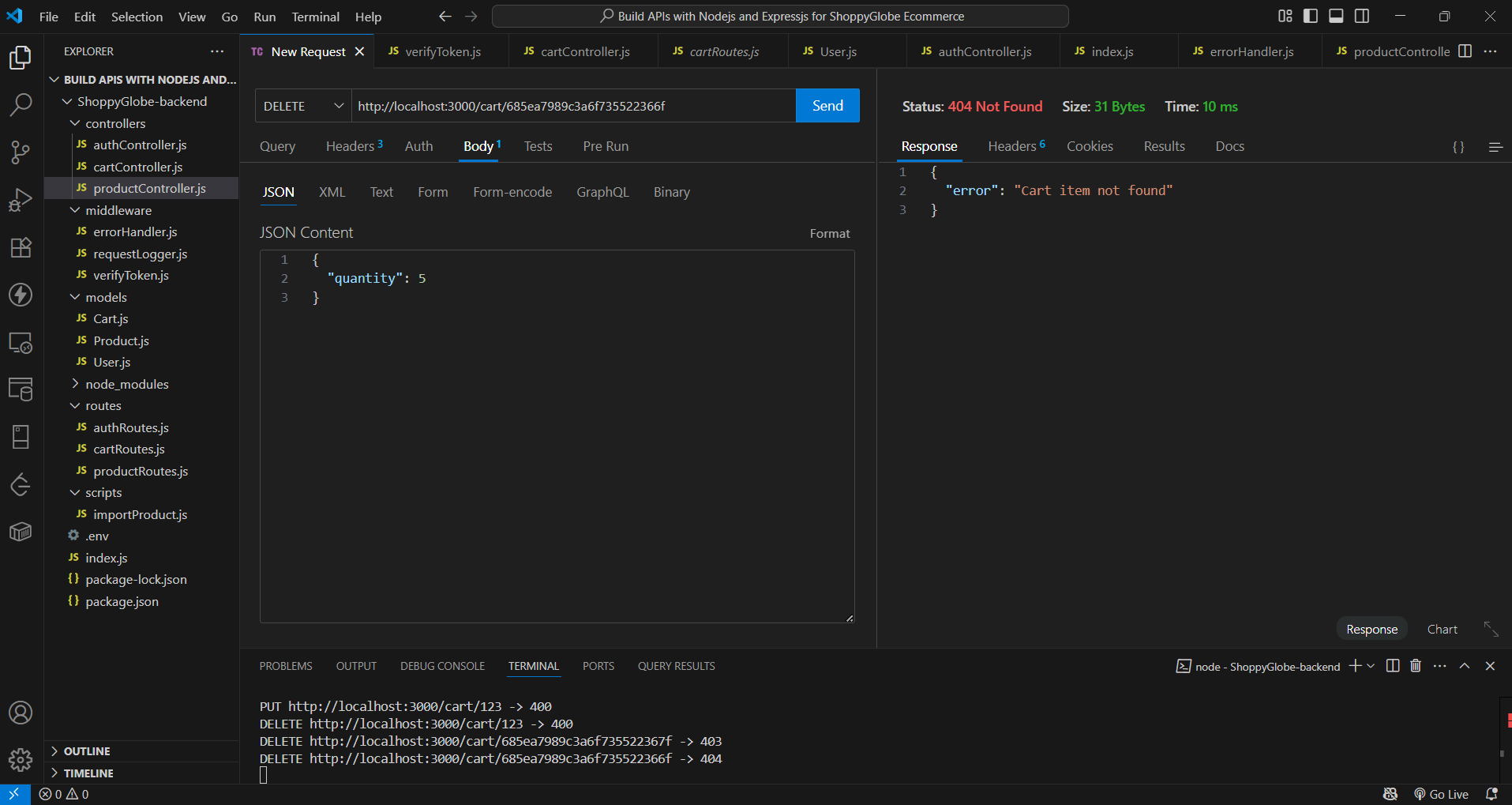
**Success Response (200):**



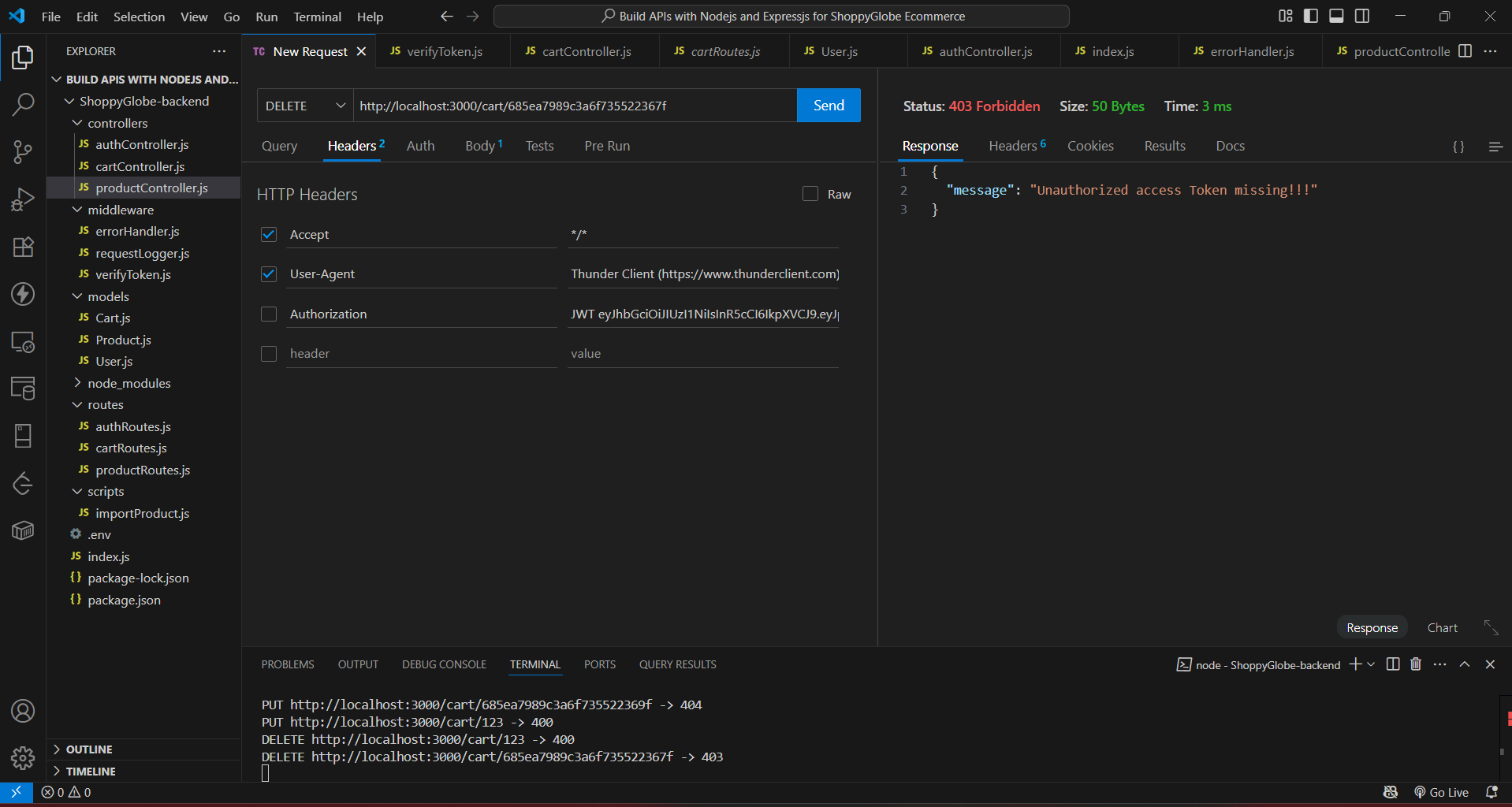
**Mongo Compass item is removed from the cart**

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**Error Response (404):**



**Error Response (401):**



**Error Response(400):**

