

Visual Studio Code interface showing a REST client request and response.

**Thunder Client** (Left Panel):

- Activity: filter activity
- POST localhost:5000/... just now
- DEL localhost:5000/... 6 days ago
- POST localhost:5000/... just now
- PUT localhost:5000/... 6 days ago
- PUT localhost:5000/... 6 days ago
- PUT localhost:5000/... 6 days ago
- PUT localhost:5000/... 7 days ago
- POST localhost:5000/... 7 days ago
- GET localhost:5000/... 7 days ago
- PUT localhost:5000/... 7 days ago
- PUT localhost:5000/... 7 days ago

**REST Client** (Main Panel):

POST http://localhost:5000/api/register

Send

Query Headers Auth **Body** Tests Pre Run

JSON XML Text Form Form-encode GraphQL Binary

JSON Content

```
1 {
2   "username": "Keshav Mishra",
3   "password": "Pswd$59"
4 }
```

Format

Status: 200 OK Size: 42 Bytes Time: 172 ms

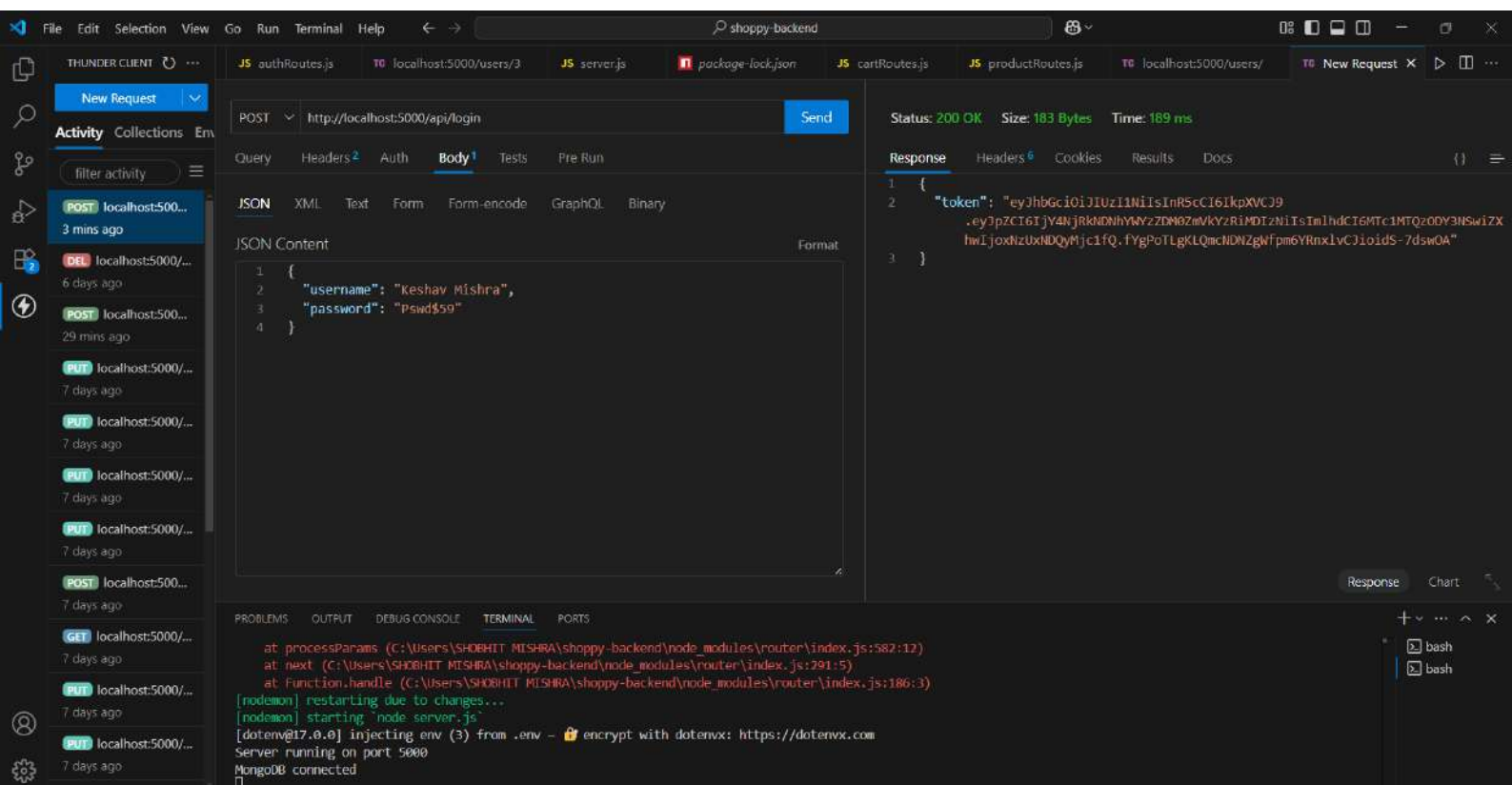
Response Headers Cookies Results Docs

```
1 {
2   "message": "User registered successfully"
3 }
```

Response Chart

**Terminal** (Bottom Panel):

```
[dotenv@17.0.0] injecting env (3) from .env - 🔒 encrypt with dotenvx: https://dotenvx.com
Server running on port 5000
MongoDB connected
[nodemon] restarting due to changes...
[nodemon] restarting due to changes...
[nodemon] starting 'node server.js'
[dotenv@17.0.0] injecting env (3) from .env - 🔒 encrypt with dotenvx: https://dotenvx.com
Server running on port 5000
MongoDB connected
```



Thunder Client interface showing a REST client request and response.

**Request:**

- Method: GET
- URL: http://localhost:5000/api/products
- Body: JSON Content

**Response:**

```
1 [
2   {
3     "id": "6863e8bd4aad7a6346748a5f",
4     "name": "Pencil",
5     "price": 30,
6     "description": "With a Strong Wood and clean writing",
7     "stockQuantity": 400
8   },
9   {
10    "_id": "6864d25c2cef6772b5d28629",
11    "name": "Samsung Galaxy S25",
12    "price": 125000,
13    "description": "Latest Samsung phone with a high resolution camera",
14    "stockQuantity": 150
15  },
16  {
17    "_id": "6864d25c2cef6772b5d2862a",
18    "name": "JBL Speakers",
19    "price": 4000,
20    "description": "Noise Cancelling wireless connection",
21    "stockQuantity": 390
22  }
23 ]
```

**Terminal Output:**

```
[dotenv@17.0.0] injecting env (3) from .env - encrypt with dotenvx: https://dotenvx.com
Server running on port 5000
MongoDB connected
[nodemon] restarting due to changes...
[nodemon] starting node server.js
[dotenv@17.0.0] injecting env (3) from .env - encrypt with dotenvx: https://dotenvx.com
Server running on port 5000
MongoDB connected
```

File Edit Selection View Go Run Terminal Help

shoppy-backend

THUNDER CLIENT

New Request

Activity Collections Env

filter activity

GET localhost:5000/... just now

DEL localhost:5000/... 6 days ago

POST localhost:5000/... just now

PUT localhost:5000/... 6 days ago

PUT localhost:5000/... 6 days ago

PUT localhost:5000/... 6 days ago

PUT localhost:5000/... 6 days ago

PUT localhost:5000/... 7 days ago

POST localhost:5000/... 7 days ago

GET localhost:5000/... 7 days ago

PUT localhost:5000/... 7 days ago

PUT localhost:5000/... 7 days ago

JS authRoutes.js TC localhost:5000/users/3 JS server.js package-lock.json JS cartRoutes.js JS productRoutes.js TC localhost:5000/users/ TC New Request

GET http://localhost:5000/api/products/6864d25c2cef6772b5d2862b Send

Query Headers 2 Auth Body Tests Pre Run

JSON XML Text Form Form-encode GraphQL Binary

JSON Content Format

1

Status: 200 OK Size: 125 Bytes Time: 16 ms

Response Headers 6 Cookies Results Docs

```
1 {
2   "_id": "6864d25c2cef6772b5d2862b",
3   "name": "HP Laptop",
4   "price": 63000,
5   "description": "slim and light weight",
6   "stockQuantity": 200
7 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
[dotenv@17.0.0] injecting env (3) from .env - encrypt with dotenvx: https://dotenvx.com
Server running on port 5000
MongoDB connected
[nodemon] restarting due to changes...
[nodemon] starting node server.js
[dotenv@17.0.0] injecting env (3) from .env - encrypt with dotenvx: https://dotenvx.com
Server running on port 5000
MongoDB connected
```

bash

bash

Visual Studio Code interface showing a REST client request and response for a shopping backend API.

**Request:**

- Method: POST
- URL: http://localhost:5000/api/cart
- Body (JSON):

```
{  "productId": "6863e8bd4aad7a6346748a5f",  "quantity": 300}
```

**Response:**

- Status: 200 OK
- Size: 177 Bytes
- Time: 91 ms
- Body (JSON):

```
{  "userId": "6864d43aaf3d34fedc4b0236",  "items": [    {      "productId": "6863e8bd4aad7a6346748a5f",      "quantity": 300,      "_id": "68654c06cbf6efd8df9ca47b"    },    {      "_id": "68654c06cbf6efd8df9ca47a",      "_v": 0    }  ]}
```

**Terminal Output:**

```
[dotenv@17.0.0] injecting env (3) from .env - encrypt with dotenvx: https://dotenvx.com
Server running on port 5000
MongoDB connected
[nodemon] restarting due to changes...
[nodemon] starting 'node server.js'
[dotenv@17.0.0] injecting env (3) from .env - encrypt with dotenvx: https://dotenvx.com
Server running on port 5000
MongoDB connected
```

shopyy-backend

THUNDER CLIENT

New Request

Activity Collections Env

filter activity

PUT localhost:5000/... just now

POST localhost:5000/... 12 hours ago

POST localhost:5000/... 12 hours ago

DEL localhost:5000/... 7 days ago

PUT localhost:5000/... 7 days ago

PUT localhost:5000/... 7 days ago

PUT localhost:5000/... 7 days ago

PUT localhost:5000/... 7 days ago

POST localhost:5000/... 7 days ago

GET localhost:5000/... 8 days ago

PUT localhost:5000/... 8 days ago

JS db.js JS authController.js TC localhost:5000/api/produ... JS cartController.js JS productController.js JS authMiddleware.js JS Cart.js JS Product.js

PUT http://localhost:5000/api/cart/6864d25c2cef6772b5d2862b Send

Query Headers<sup>3</sup> Auth Body<sup>1</sup> Tests Pre Run

HTTP Headers

Accept \*/\*

User-Agent Thunder Client (https://www.thunderclient.com)

Authorization JWT eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJp

header value

Status: 200 OK Size: 177 Bytes Time: 36 ms

Response Headers<sup>6</sup> Cookies Results Docs

```
1 {
2   "_id": "686575432ee837f397f0bfbe",
3   "userId": "686574e62ee837f397f0bfbb9",
4   "items": [
5     {
6       "productId": "6864d25c2cef6772b5d2862b",
7       "quantity": 200,
8       "_id": "686575432ee837f397f0bfbf"
9     }
10  ],
11  "_v": 0
12 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

[dotenv@17.0.0] injecting env (3) from .env - encrypt with dotenvx: https://dotenvx.com  
Server running on port 5000  
MongoDB connected  
[nodemon] restarting due to changes...  
[nodemon] starting node server.js  
[dotenv@17.0.0] injecting env (3) from .env - encrypt with dotenvx: https://dotenvx.com  
Server running on port 5000  
MongoDB connected

bash

bash

THUNDER CLIENT

File Edit Selection View Go Run Terminal Help

shoppy-backend

JS db.js JS authController.js **localhost:5000/api/productController.js** JS cartController.js JS productController.js JS authMiddleware.js JS Cart.js JS Product.js

New Request

Activity Collections Env

filter activity

DEL localhost:5000/... just now

POST localhost:5000/... 12 hours ago

POST localhost:5000/... 12 hours ago

DEL localhost:5000/... 7 days ago

PUT localhost:5000/... 7 days ago

PUT localhost:5000/... 7 days ago

PUT localhost:5000/... 7 days ago

PUT localhost:5000/... 7 days ago

PUT localhost:5000/... 7 days ago

POST localhost:5000/... 7 days ago

GET localhost:5000/... 8 days ago

PUT localhost:5000/... 8 days ago

DELETE http://localhost:5000/api/cart/6864d25c2cef6772b5d2862b Send

Query Headers Auth Body Tests Pre Run

HTTP Headers

Accept \*/\*

User-Agent Thunder Client (https://www.thunderclient.com)

Authorization JWT eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJp...

header value

Status: 200 OK Size: 89 Bytes Time: 8 ms

Response Headers Cookies Results Docs

```
1 {
2   "_id": "686575432ee837f397f0bfbe",
3   "userId": "686574e62ee837f397f0bfbe",
4   "items": [],
5   "_v": 1
6 }
```

PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL** PORTS

```
[dotenv@17.0.0] injecting env (3) from .env - encrypt with dotenvx: https://dotenvx.com
Server running on port 5000
MongoDB connected
[nodemon] restarting due to changes...
[nodemon] starting "node server.js"
[dotenv@17.0.0] injecting env (3) from .env - encrypt with dotenvx: https://dotenvx.com
Server running on port 5000
MongoDB connected
```

bash

bash



MongoDB Compass - user-api/shoppyGlobe.users

Connections Edit View Collection Help

Compass

My Queries

CONNECTIONS (1)

Search connections

user-api

admin

config

keshavdb

user-api

local

shoppyGlobe

cart

products

users

test

userdb

users

youtubeBackend

products

cart

user-api

keshavdb

users

user-api

users

shoppyGlobe

user-api > shoppyGlobe > users

Documents 2 Aggregations Schema Indexes 1 Validation

Type a query: { field: 'value' } or [Generate query](#)

Explain Reset Find Options

ADD DATA EXPORT DATA UPDATE DELETE

25 1 - 3 of 3

\_id: ObjectId('6864d405ef3d34fedc4b9233')

username: "Jethalal"

password: "\$2b\$10\$9ur2mG2LLERAsT8pAWBu0k4QG0WMy27i1d.YlUr0kuUhuH8J4mHg"

\_\_v: 0

\_id: ObjectId('6864d43aaf3d34fedc4b0236')

username: "Keshav Mishra"

password: "\$2b\$10\$1LW7/Je/qFQDhVLE6Q34.LDWaZxJLfgppZrjpQ9/vmByTcejMGe0"

\_\_v: 0

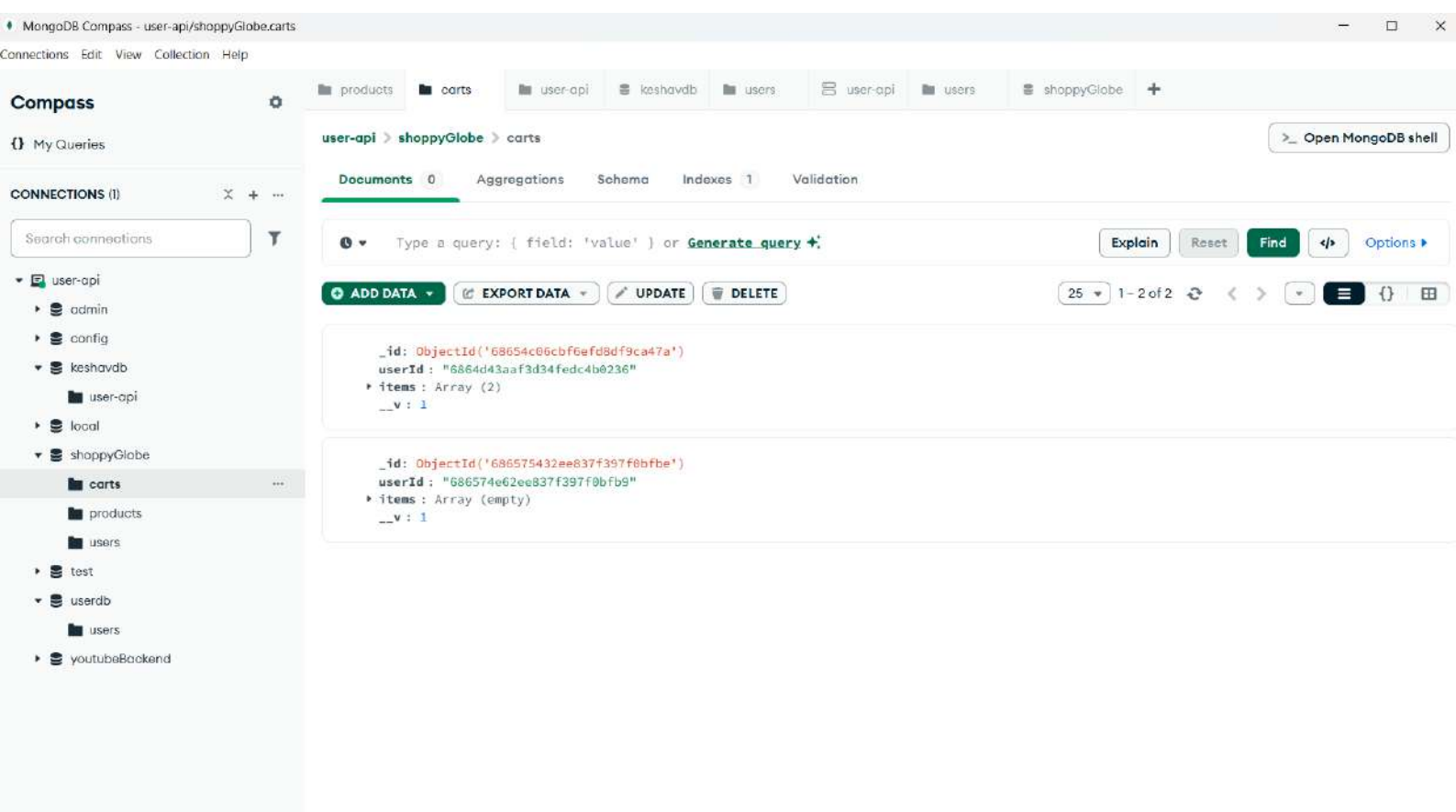
\_id: ObjectId('686574e62ee637f397f0bfb9')

username: "Keshavv"

password: "\$2b\$10\$zgaGNIw8qaw9PGdf9gWseryvz5V1jCznOisuMfcJuwXiXEHw8/tC"

\_\_v: 0





MongoDB Compass - user-api/shoppyGlobe,products

Connections Edit View Collection Help

Compass

My Queries

CONNECTIONS (1)

Search connections

user-api

admin

config

keahavdb

user-api

local

shoppyGlobe

carts

products

users

test

userdb

users

youtubeBackend

products

user-api

keahavdb

users

user-api

users

shoppyGlobe

+

user-api > shoppyGlobe > products

Open MongoDB shell

Documents 4

Aggregations

Schema

Indexes 1

Validation

Type a query: { field: 'value' } or [Generate query](#)

Explain

Reset

Find

</>

Options

ADD DATA

EXPORT DATA

UPDATE

DELETE

25 1 - 4 of 4

\_id: ObjectId('6863e8bd4aad7a6346748a5f')

name: "Pencil"

price: 30

description: "With a Strong Wood and clean writing"

stockQuantity: 400

\_id: ObjectId('6864d25c2cef6772b5d28629')

name: "Samsung Galaxy S25"

price: 125000

description: "Latest Samsung phone with a high resolution camera"

stockQuantity: 150

\_id: ObjectId('6864d25c2cef6772b5d2862a')

name: "JBL Speakers"

price: 4000

description: "Noise Cancelling wireless connection"

stockQuantity: 390

\_id: ObjectId('6864d25c2cef6772b5d2862b')

name: "HP Laptop"

price: 63000

description: "Slim and light weight"

stockQuantity: 200