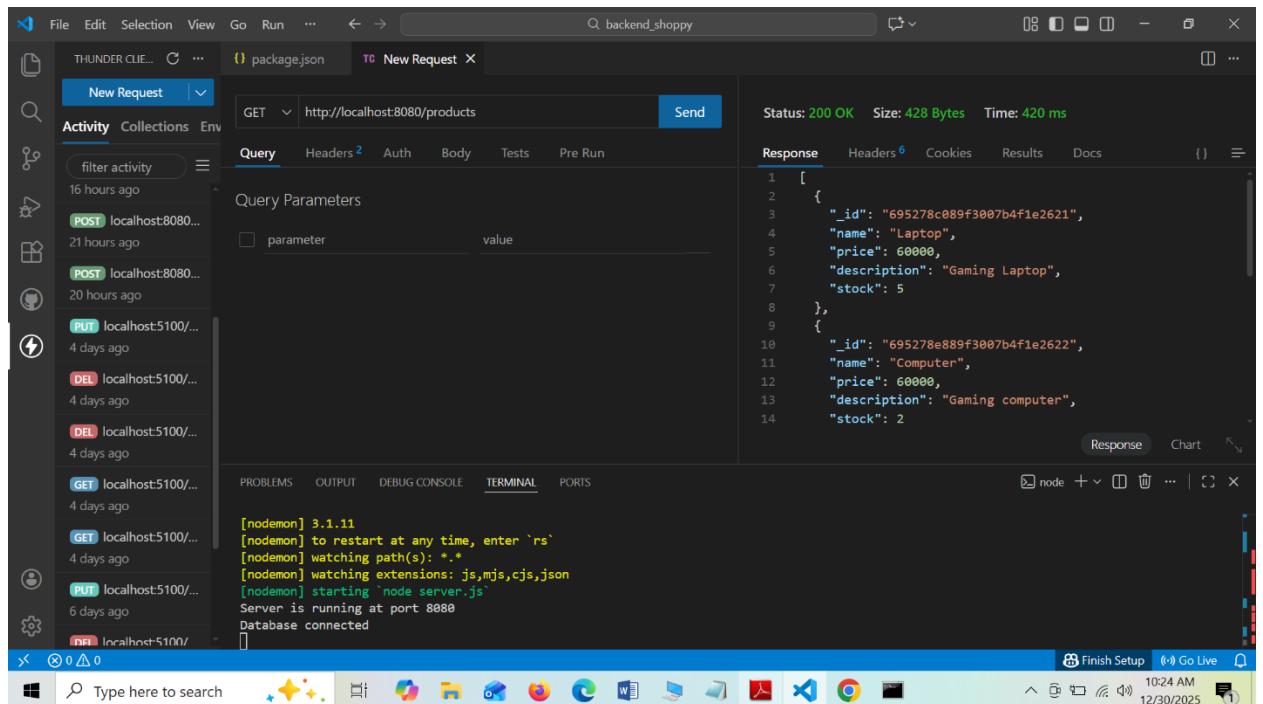


Routes

1) Get/products



File Edit Selection View Go Run ... < > Q backend_shopsy

THUNDER CLI... C ... package.json New Request

New Request

Activity Collections Env

filter activity

16 hours ago

POST localhost:8080/...

21 hours ago

POST localhost:8080/...

PUT localhost:5100/...

4 days ago

DEL localhost:5100/...

4 days ago

DEL localhost:5100/...

4 days ago

GET localhost:5100/...

4 days ago

GET localhost:5100/...

4 days ago

PUT localhost:5100/...

6 days ago

node localhost:5100/...

Type here to search

Query Parameters

parameter value

Send

Status: 200 OK Size: 428 Bytes Time: 420 ms

Response Headers Cookies Results Docs

```
1 [  
2 {  
3   "_id": "695278c889f3007b4f1e2621",  
4   "name": "Laptop",  
5   "price": 60000,  
6   "description": "Gaming Laptop",  
7   "stock": 5  
8 },  
9 {  
10   "_id": "695278e889f3007b4f1e2622",  
11   "name": "Computer",  
12   "price": 60000,  
13   "description": "Gaming computer",  
14   "stock": 2
```

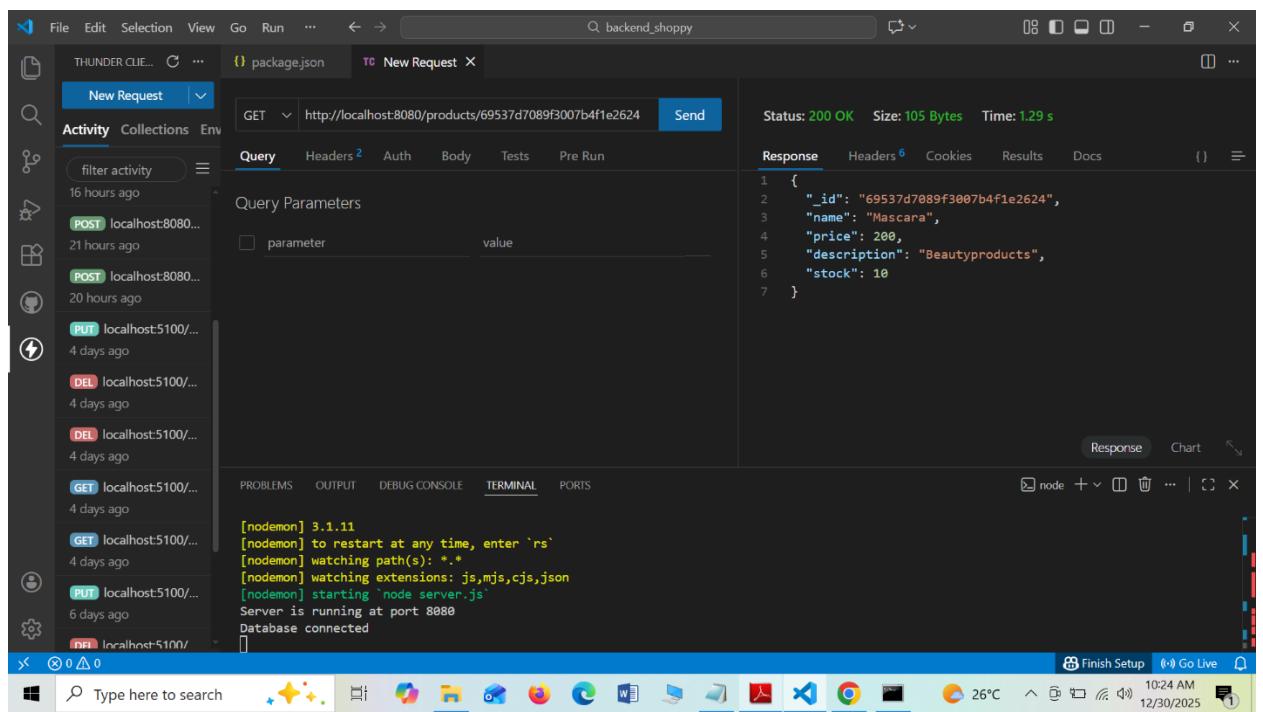
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

[nodemon] 3.1.11
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting `node server.js`
Server is running at port 8080
Database connected

node + - X ...

Finish Setup Go Live 10:24 AM 12/30/2025

2) Get by productid



File Edit Selection View Go Run ... < > Q backend_shypy

THUNDER CLI... C ... package.json New Request

New Request

Activity Collections Env

filter activity

16 hours ago

POST localhost:8080/...

21 hours ago

POST localhost:8080/...

20 hours ago

PUT localhost:5100/...

4 days ago

DEL localhost:5100/...

4 days ago

DEL localhost:5100/...

4 days ago

GET localhost:5100/...

4 days ago

GET localhost:5100/...

4 days ago

PUT localhost:5100/...

6 days ago

node localhost:5100/...

Type here to search

Query Parameters

parameter value

Send

Status: 200 OK Size: 105 Bytes Time: 1.29 s

Response Headers Cookies Results Docs

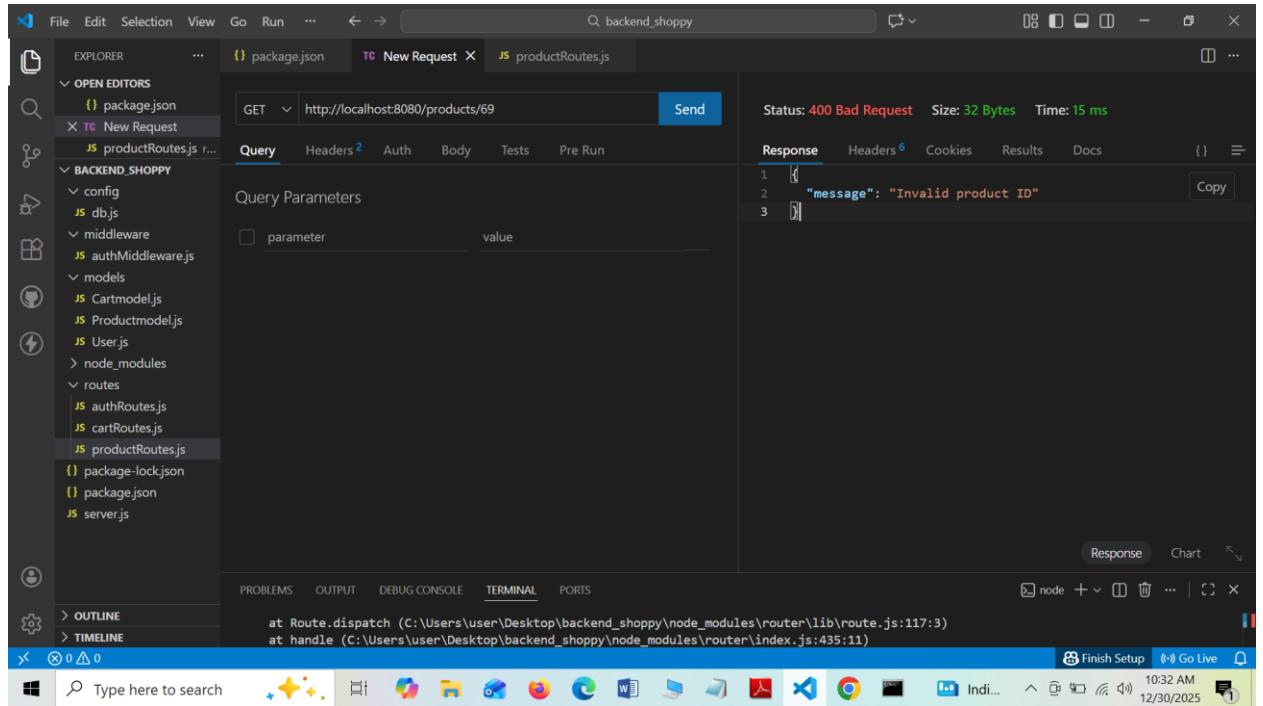
```
1 {  
2   "_id": "69537d7089f3007b4f1e2624",  
3   "name": "Mascara",  
4   "price": 200,  
5   "description": "Beautyproducts",  
6   "stock": 10  
7 }
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

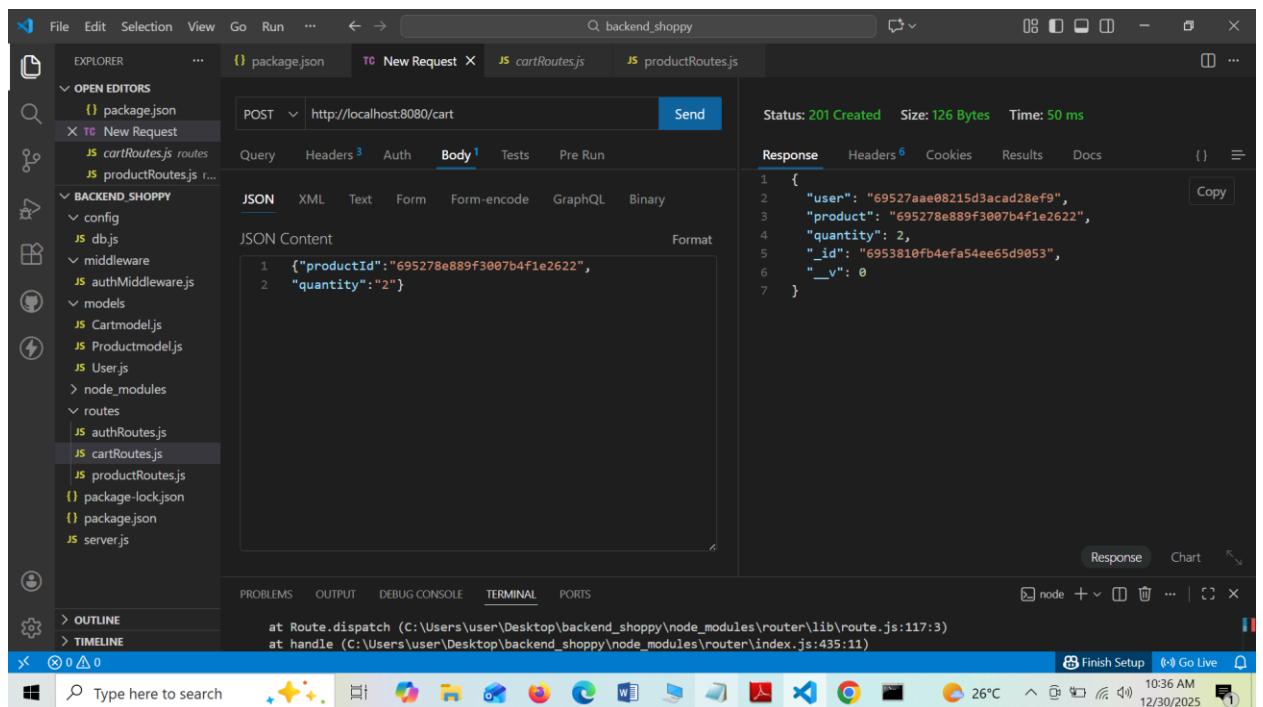
[nodemon] 3.1.11
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting `node server.js`
Server is running at port 8080
Database connected

node + - X ...

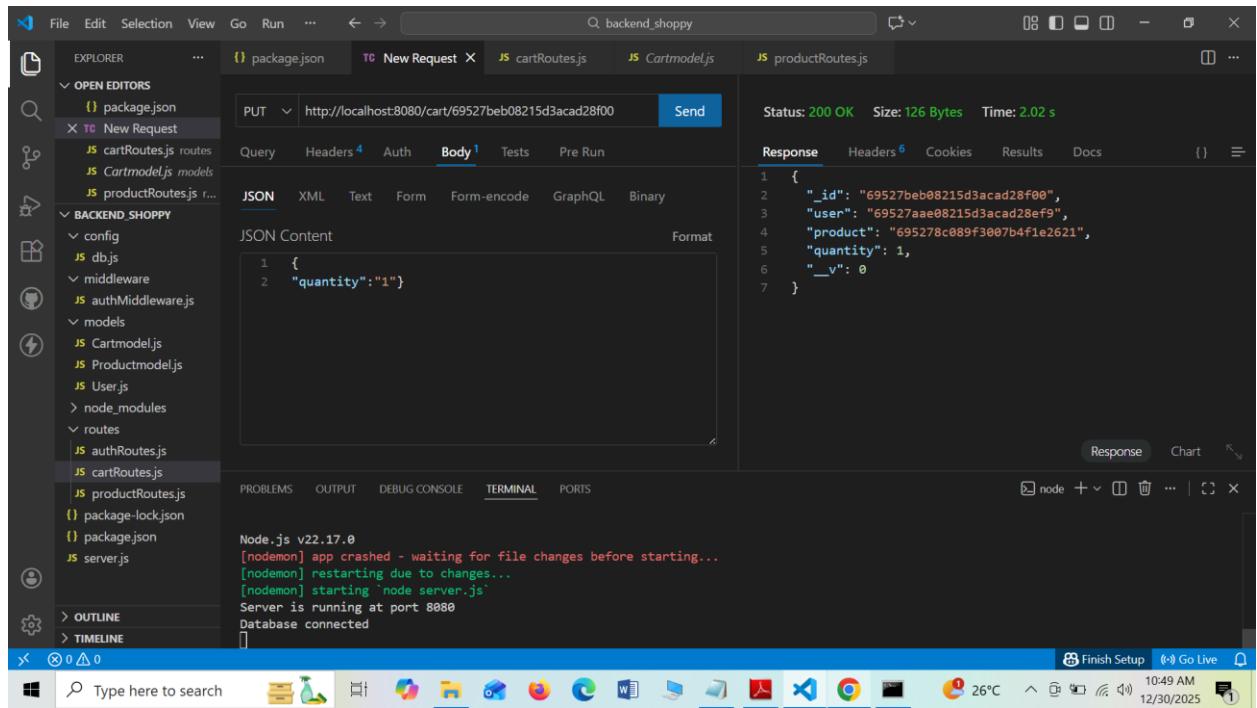
Finish Setup Go Live 26°C 10:24 AM 12/30/2025



3) Post/cart



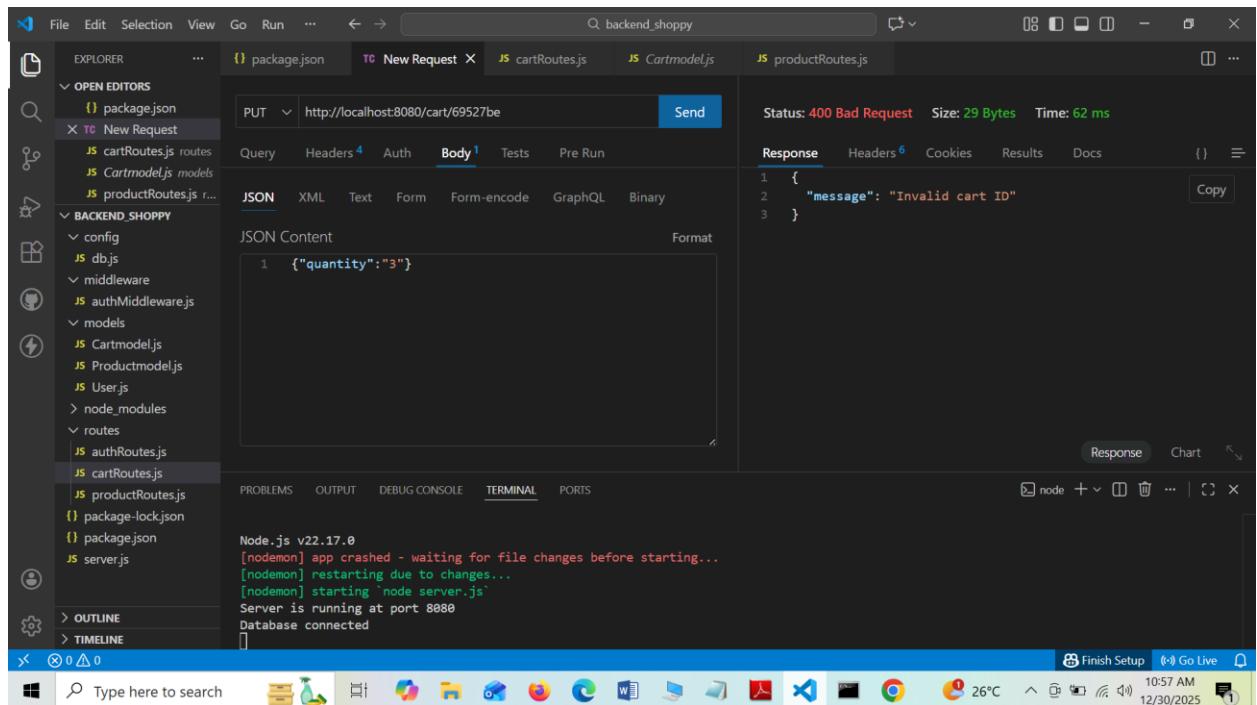
4) Put/cart



The screenshot shows the VS Code interface with the following details:

- File Path:** package.json
- Request Type:** PUT
- Request URL:** http://localhost:8080/cart/69527beb08215d3acad28f00
- Response Status:** 200 OK
- Response Size:** 126 Bytes
- Response Time:** 2.02 s
- Body Content:**

```
1 {
2   "_id": "69527beb08215d3acad28f00",
3   "user": "69527aae08215d3acad28ef9",
4   "product": "695278c089f3007b4f1e2621",
5   "quantity": 1,
6   "__v": 0
7 }
```

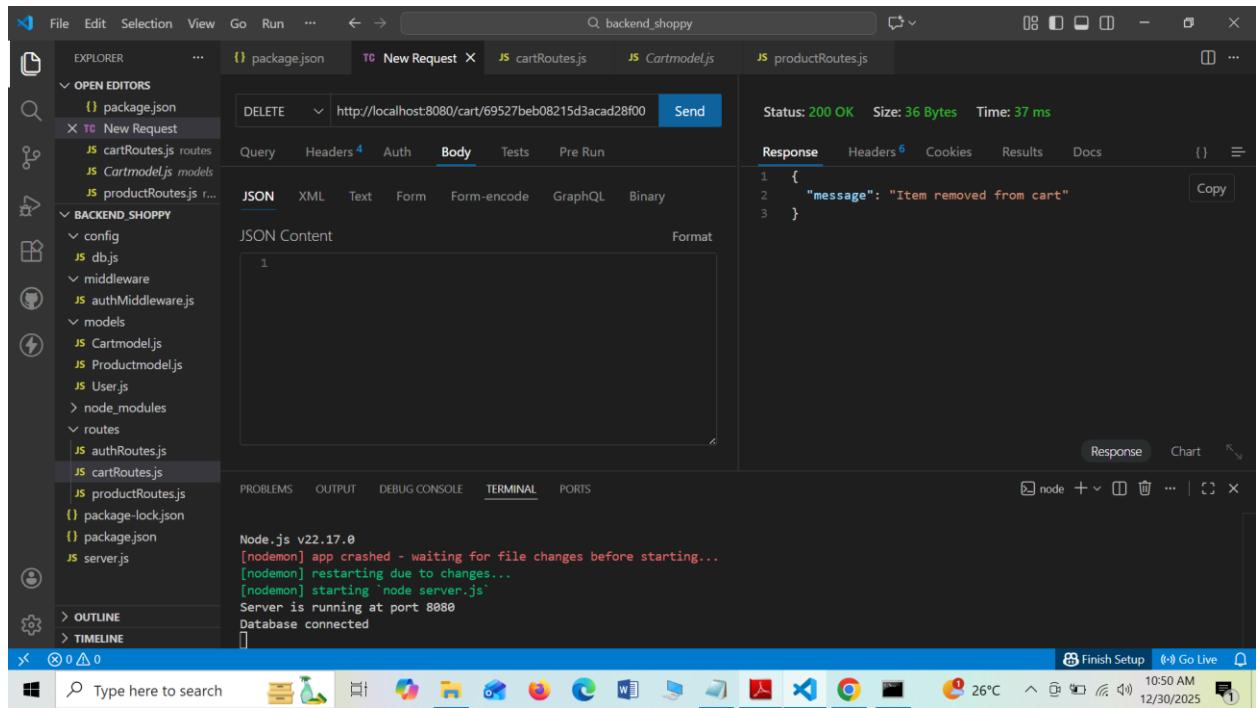


The screenshot shows the VS Code interface with the following details:

- File Path:** package.json
- Request Type:** PUT
- Request URL:** http://localhost:8080/cart/69527be
- Response Status:** 400 Bad Request
- Response Size:** 29 Bytes
- Response Time:** 62 ms
- Body Content:**

```
1 {
2   "message": "Invalid cart ID"
3 }
```

5) Delete/cart



File Edit Selection View Go Run ... ← → Q backend_shopsy

EXPLORER OPEN EDITORS package.json New Request cartRoutes.js Cartmodel.js productRoutes.js

DELETE http://localhost:8080/cart/69527beb08215d3acad28f00 Send

Query Headers 4 Auth Body Tests Pre Run

JSON XML Text Form Form-encode GraphQL Binary

JSON Content Format

```
1 {
2   "message": "Item removed from cart"
3 }
```

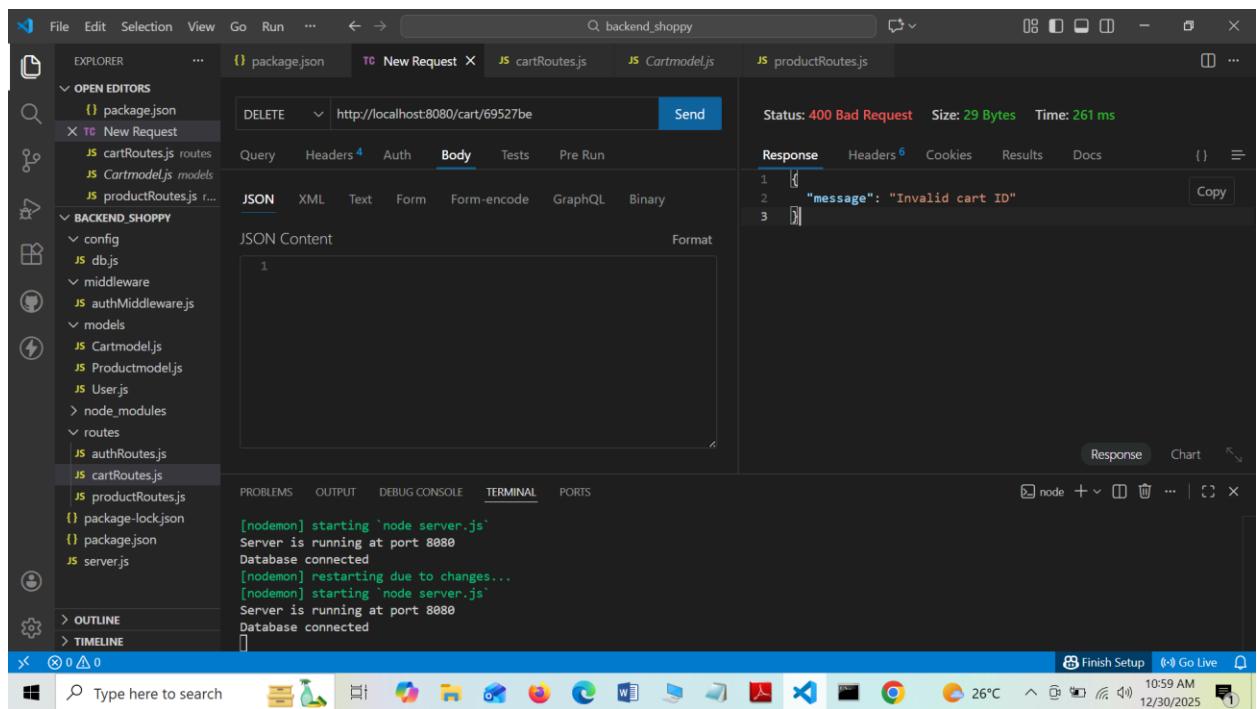
Status: 200 OK Size: 36 Bytes Time: 37 ms

Response Headers Cookies Results Docs

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

Node.js v22.17.0 [nodemon] app crashed - waiting for file changes before starting... [nodemon] restarting due to changes... [nodemon] starting 'node server.js' Server is running at port 8080 Database connected

Finish Setup Go Live 10:50 AM 12/30/2025



File Edit Selection View Go Run ... ← → Q backend_shippy

EXPLORER OPEN EDITORS package.json New Request cartRoutes.js Cartmodel.js productRoutes.js

DELETE http://localhost:8080/cart/69527be Send

Query Headers 4 Auth Body Tests Pre Run

JSON XML Text Form Form-encode GraphQL Binary

JSON Content Format

```
1
2   "message": "Invalid cart ID"
3 }
```

Status: 400 Bad Request Size: 29 Bytes Time: 261 ms

Response Headers Cookies Results Docs

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

[nodemon] starting 'node server.js' Server is running at port 8080 Database connected [nodemon] restarting due to changes... [nodemon] starting 'node server.js' Server is running at port 8080 Database connected

Finish Setup Go Live 10:59 AM 12/30/2025

MongoDB:

1) Insert and Read products db

```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('695391738c04bc39d21e2621'),
    '1': ObjectId('695391738c04bc39d21e2622')
  }
}
shoppyglobe> db.products.insertMany([{"name": "pencil", "price": "5", "description": "Stationery", "stock": "100"}, {"name": "Eraser", "price": "2", "description": "stationery", "stock": "20"}])
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('695391868c04bc39d21e2623'),
    '1': ObjectId('695391868c04bc39d21e2624')
  }
}
shoppyglobe> db.products.find()
[
  {
    _id: ObjectId('695278c089f3007b4f1e2621'),
    name: 'Laptop',
    price: 60000,
    description: 'Gaming Laptop',
    stock: 5
  },
  {
    _id: ObjectId('695278e889f3007b4f1e2622'),
    name: 'Computer',
    price: 60000,
    description: 'Gaming computer',
    stock: 2
  },
  {
    _id: ObjectId('69537d5489f3007b4f1e2623'),
    name: 'Lipstick',
    price: 60,
    description: 'Beautyproducts',
    stock: 100
  },
  {
    _id: ObjectId('69537d7089f3007b4f1e2624'),
    name: 'Mascara',
  }
]
Type here to search 26°C 11:48 AM 12/30/2025
```

2) Update and delete

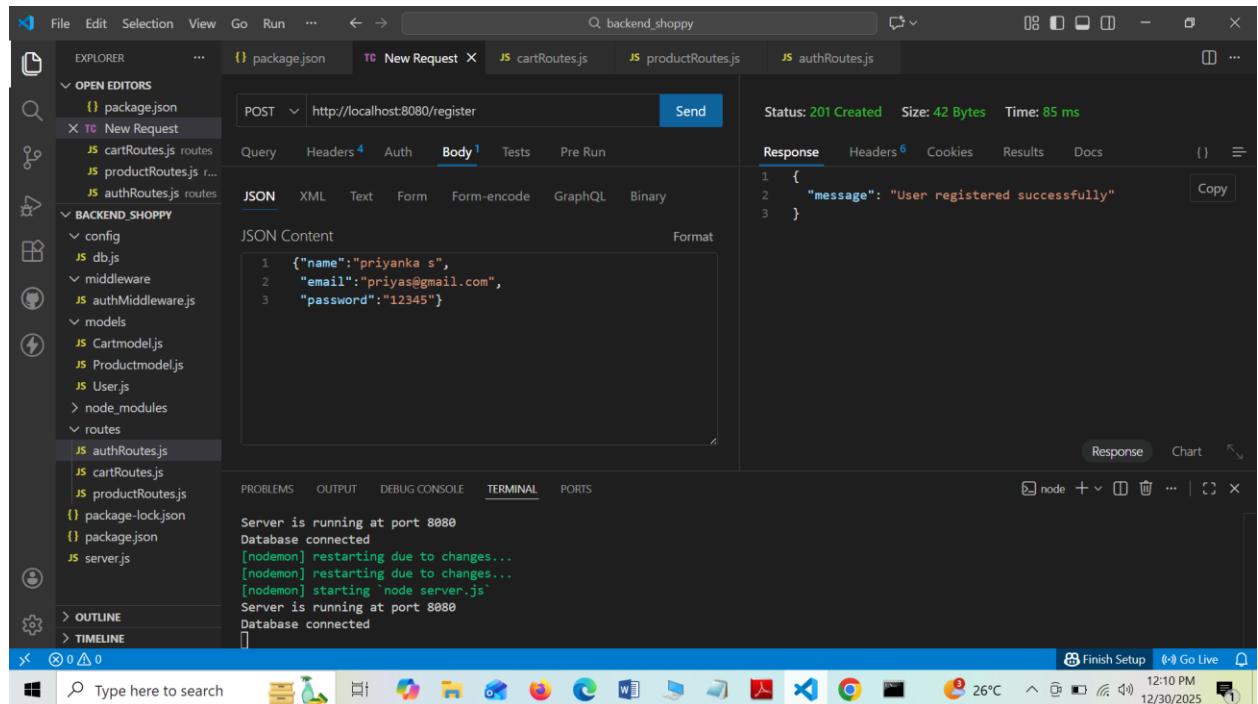
```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
},
{
  _id: ObjectId('695391738c04bc39d21e2621'),
  name: 'pencil',
  price: '5',
  description: 'Stationery',
  stock: '100'
},
{
  _id: ObjectId('695391738c04bc39d21e2622'),
  name: 'Eraser',
  price: '2',
  description: 'stationery',
  stock: '20'
},
{
  _id: ObjectId('695391868c04bc39d21e2623'),
  name: 'pencil',
  price: '5',
  description: 'Stationery',
  stock: '100'
},
{
  _id: ObjectId('695391868c04bc39d21e2624'),
  name: 'Eraser',
  price: '2',
  description: 'stationery',
  stock: '20'
}
]
shoppyglobe> db.products.updateOne({name: "Computer"}, {$set: {price: 80000, status: "available"}})
(To exit, press Ctrl+C again or Ctrl+D or type .exit)
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
shoppyglobe> db.products.deleteOne({name: "pencil"})
{
  acknowledged: true,
  deletedCount: 1
}
shoppyglobe> Productmodeljs - backend_shappy - Visual Studio Code
Type here to search 26°C 11:55 AM 12/30/2025
```

3) CRUD operations on carts db

```
mongosh mongo://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
user: ObjectId('69527aae08215d3acad28ef9'),
product: ObjectId('695278e889f3007b4f1e2622'),
quantity: 2,
__v: 0
}
]
shoppyglobe> db.carts.insertOne({user:"69527aae08215d3acad28ef9",product:"695391868c04bc39d21e2624",quantity:"1"})
{
  acknowledged: true,
  insertedId: ObjectId('695394f98c04bc39d21e2625')
}
shoppyglobe> db.carts.updateOne({product:"695391868c04bc39d21e2624"},{$set:{quantity:"2"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
shoppyglobe> db.carts.find()
[
  {
    _id: ObjectId('6953810fb4efa54ee65d9053'),
    user: ObjectId('69527aae08215d3acad28ef9'),
    product: ObjectId('695278e889f3007b4f1e2622'),
    quantity: 2,
    __v: 0
  },
  {
    _id: ObjectId('695394f98c04bc39d21e2625'),
    user: '69527aae08215d3acad28ef9',
    product: '695391868c04bc39d21e2624',
    quantity: '2'
  }
]
shoppyglobe> db.carts.deleteOne({product:"695391868c04bc39d21e2624"})
{
  acknowledged: true,
  deletedCount: 1
}
shoppyglobe> db.carts.find()
[
  {
    _id: ObjectId('6953810fb4efa54ee65d9053'),
    user: ObjectId('69527aae08215d3acad28ef9'),
    product: ObjectId('695278e889f3007b4f1e2622'),
    quantity: 2,
    __v: 0
  }
]
```

JWT Authentication:

1) Post/register



The screenshot shows the VS Code interface with the following details:

- File Explorer:** Shows the project structure with files like package.json, New Request, cartRoutes.js, productRoutes.js, authRoutes.js, config/db.js, middleware/authMiddleware.js, models/Cartmodel.js, Productmodel.js, User.js, node_modules, routes/authRoutes.js, cartRoutes.js, productRoutes.js, package-lock.json, package.json, and server.js.
- Editor:** A POST request is being made to `http://localhost:8080/register`. The Body tab contains the following JSON content:

```
1 {"name": "priyanka",
2  "email": "priya@gmail.com",
3  "password": "12345"}
```
- Terminal:** Shows the output of the application running on port 8080, indicating it's listening at port 8080 and the database is connected.
- Status Bar:** Shows the status `26°C`, the date `12/30/2025`, and the time `12:10 PM`.

2) Post/login

The screenshot shows a Node.js development environment with the following details:

- File Explorer:** Shows files like package.json, New Request, cartRoutes.js, productRoutes.js, authRoutes.js, config/db.js, middleware/authMiddleware.js, models/CarModel.js, ProductModel.js, User.js, node_modules, routes, and authRoutes.js.
- Terminal:** Displays the command "node server.js" and output indicating the server is running at port 8080.
- API Request:** A POST request is being made to `http://localhost:8080/login`. The request body is JSON with fields `"email": "priyas@gmail.com"` and `"password": "12345"`.
- Response:** The response status is 200 OK, size is 212 Bytes, and time is 227 ms. The response body is a JSON object with a message and a token.

```
1 {  
2   "message": "Login successful",  
3   "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXCVJ9  
.eyJpZC16IjY5NTM5NzB1NTQxNj1kYjd1N2JmN2lNSisImhdCI6MT  
c2Nza4NTkwOSwiZXhwIjoxNzY3MDg5NTA5fQ.LZFPsR4dPSV  
-mv_1Fdwm8BgoVN0Ec1hYPtZj-WhmRaE"  
4 }
```

The screenshot shows the Thunder Client interface. In the top navigation bar, there are tabs for package.json, New Request*, cartRoutes.js, productRoutes.js, authRoutes.js, and a search bar containing "backend_shoppy". Below the tabs, a "New Request" card is selected, showing a POST method and the URL http://localhost:8080/login.

The "Headers" tab is active, displaying the following headers:

- Accept: */*
- User-Agent: Thunder Client (https://www.thunderclient.com)
- Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9 .eyJpZCI6IjY5NTM5NzBiNTQxNjlkYjdiN2JmN2ZlNSIsImhlhdCI6MTc2NzA4NTkwOSwiZXhwIjoxNzY3MDg5NTA5fQ.LZfPsR4dPSV -mv_1Fdw8BgoVN0Ec1hYPtZj-WhmRaE"
- Content-Type: application/json

The "Response" tab shows the JSON response:

```
1 {
2   "message": "Login successful",
3   "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9 .eyJpZCI6IjY5NTM5NzBiNTQxNjlkYjdiN2JmN2ZlNSIsImhlhdCI6MTc2NzA4NTkwOSwiZXhwIjoxNzY3MDg5NTA5fQ.LZfPsR4dPSV -mv_1Fdw8BgoVN0Ec1hYPtZj-WhmRaE"
4 }
```

The "TERMINAL" tab shows the server logs:

```
Database connected
true
[nodemon] restarting due to changes...
[nodemon] starting `node server.js`
Server is running at port 8080
Database connected
true
```

The bottom status bar shows the system tray with icons for battery, signal, and date/time (12/12 PM, 26°C, 12/30/2025).