📘 E-Commerce API Documentation

# 🔐 Authentication

POST /token/ - Get JWT token pair

Request Body:  
{  
 "email": "user@example.com",  
 "password": "password123"  
}

Response:  
{  
 "access": "<access\_token>",  
 "refresh": "<refresh\_token>"  
}

# 🧾 Register

POST /register/ - Register a new user

Request Body:  
{  
 "email": "newuser@example.com",  
 "password": "secret123",  
 "is\_customer": true  
}

Response:  
{  
 "id": 3,  
 "email": "newuser@example.com",  
 "is\_customer": true  
}

# 👤 Current Logged-In User

GET /user/me/ - Requires Auth Token

Response:  
{  
 "id": 1,  
 "email": "user@example.com",  
 "is\_customer": true,  
 "is\_admin": false  
}

# 📂 Categories

GET /categories/ - Public access

POST /categories/ - Requires authentication

# 🛍️ Products

GET /products/ - Public access (use ?category=<category\_id> to filter)

POST /products/ - Requires authentication

# 🧺 Cart

GET /carts/ - Requires authentication

# ➕ Add to Cart

POST /cart/add/ - Requires authenticated customer

Request Body:  
{  
 "product": 2,  
 "quantity": 3  
}

# 🛒 Cart Items

GET /cart-items/ - Requires authentication

PATCH /cart-items/<id>/ - Update quantity

# 📦 Orders

GET /orders/ - Requires authentication (Admin sees all, customer sees own)

POST /orders/ - Requires authentication  
Request Body:  
{  
 "shipping\_address": 1  
}

# 🏠 Shipping Addresses

GET /addresses/ - Requires authentication

POST /addresses/ - Requires authentication

# 👥 Users (Admin Only)

GET /users/ - Requires admin

# ✅ Role-Based Access Summary

|  |  |  |  |
| --- | --- | --- | --- |
| Endpoint | Admin | Customer | Unauthenticated |
| /token/ | ✅ | ✅ | ✅ |
| /register/ | ✅ | ✅ | ✅ |
| /user/me/ | ✅ | ✅ | ❌ |
| /categories/ | ✅ | ✅ | ✅ (GET) |
| /products/ | ✅ | ✅ | ✅ (GET) |
| /carts/ | ✅ | ✅ | ❌ |
| /cart/add/ | ❌ | ✅ | ❌ |
| /cart-items/ | ✅ | ✅ | ❌ |
| /orders/ | ✅ | ✅ | ❌ |
| /addresses/ | ✅ | ✅ | ❌ |
| /users/ | ✅ | ❌ | ❌ |