



# E-Commerce API Documentation

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## 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/	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
/register/	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
/user/me/	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	✗
/categories/	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> (GET)
/products/	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> (GET)
/carts/	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	✗
/cart/add/	✗	<input checked="" type="checkbox"/>	✗
/cart-items/	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	✗
/orders/	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	✗
/addresses/	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	✗
/users/	<input checked="" type="checkbox"/>	✗	✗