📘 API Documentation – E-Commerce API

This section documents the main API endpoints for user, cart, order, product, and review management.

🔐 Auth

🟢 Register (Create User)

POST `/api/auth/register`

Request:

```json
{
  "email": "user@example.com",
  "password": "123456",
  "name": "John Doe",
  "role": "ADMIN",
}
```

Response:

```json
{
    "user": {
        "id": 5,
        "email": "user@example.com",
        "name": "John Doe",
        "role": "ADMIN"
    }
}
```

🟢 Login (Generate JWT)

POST `/api/auth/login`

Request:

```json
{
  "email": "user@example.com",
  "password": "123456"
}
```

Response:

```json
{
  "token": "jwt_token_here"
}
```

👤 Profile

🔍 Get Current User Profile

GET `/api/profile/me`

🔒 Requires JWT

Response:

```
{
  "id": 1,
  "email": "user@example.com",
  "name": "John Doe",
  "role": "ADMIN",
  "createdAt": "2025-07-17T13:41:45.916Z",
}
```

🛒 Card

🟢 1. Add to Card (Increase quantity if exists)

POST `/api/card`

🔒 Requires JWT

Request:

```
{
  "productId": 5,
  "quantity": 3
}
```

Response:

```
{
  "id": 5,
  "userId": 1,
  "productId": 5,
  "quantity": 3,
  "createdAt": "2025-07-17T13:41:45.916Z",
  "updatedAt": "2025-07-17T13:41:45.916Z"
}
```

🟡 2. Get Card Items

GET `/api/card`

🔒 Requires JWT

Response:

```
[
    {
```

```
    "id": 5,
    "userId": 1,
    "productId": 5,
    "quantity": 3,
    "createdAt": "2025-07-17T14:01:59.870Z",
    "updatedAt": "2025-07-17T14:01:59.870Z",
    "product": {
        "id": 5,
        "name": "Kanvas Ceket",
        "description": "Mevsimlik kanvas kumaştan şık ceket",
        "price": 399,
        "category": "Giyim",
        "createdAt": "2025-07-17T10:21:23.719Z",
        "updatedAt": "2025-07-17T10:21:23.719Z",
        "createdById": 2
    }
  }
]
```

🔴 3. Remove Item from Card

DELETE `/api/card/productId`

🔒 Requires JWT

Response:

```
{
    "message": "Ürün sepetten silindi"
}
```

⚫ 4. Clear Card

DELETE `/api/card/`

🔒 Requires JWT

```
Response:
{
    "message": "Sepet temizlendi"
}
```

📦 Orders

1️⃣ Create Order

POST `/api/orders`

🔒 Requires JWT

Response:

```
{
    "id": 3,
    "userId": 5,
    "total": 1197,
    "createdAt": "2025-07-17T14:11:43.364Z",
```

```
    "orderItems": [
        {
            "id": 4,
            "orderId": 3,
            "productId": 5,
            "quantity": 3,
            "price": 399
        }
    ]
}
```

2️⃣ Get My Orders

GET `/api/orders`

🔒 Requires JWT

Response:

```
[
    {
        "id": 3,
        "userId": 5,
        "total": 1197,
        "createdAt": "2025-07-17T14:11:43.364Z",
        "orderItems": [
            {
                "id": 4,
                "orderId": 3,
                "productId": 5,
                "quantity": 3,
                "price": 399,
                "product": {
                    "id": 5,
                    "name": "Kanvas Ceket",
                    "description": "Mevsimlik kanvas kumaştan şık ceket",
                    "price": 399,
                    "category": "Giyim",
                    "createdAt": "2025-07-17T10:21:23.719Z",
                    "updatedAt": "2025-07-17T10:21:23.719Z",
                    "createdById": 2
                }
            }
        ]
    }
]
```

🛍️ Products

➕ Add Product (Admin Only)

POST `/api/products`

🔒 Requires JWT (Admin)

Request:

```json
{
  "name": "T-Shirt",
  "description": "Cotton material",
  "price": 150,
  "category": "Clothing"
}
```

Response:

```json
{
    "id": 7,
    "name": "Ayakkabi",
    "description": "Cotton material",
    "price": 150,
    "category": "Shoes",
    "createdAt": "2025-07-17T14:21:08.934Z",
    "updatedAt": "2025-07-17T14:21:08.934Z",
    "createdById": 5
}
```

📋 List All Products

GET `/api/products`

Response:

```json
[
    {
        "id": 7,
        "name": "Ayakkabi",
        "description": "Cotton material",
        "price": 150,
        "category": "Shoes",
        "createdAt": "2025-07-17T14:21:08.934Z",
        "updatedAt": "2025-07-17T14:21:08.934Z",
        "createdById": 5,
        "createdBy": {
            "id": 5,
            "name": "Admin Aybars",
            "email": "aybars@obal.com"
        }
    },
    {
        "id": 5,
        "name": "Kanvas Ceket",
        "description": "Mevsimlik kanvas kumaştan şık ceket",
        "price": 399,
        "category": "Giyim",
        "createdAt": "2025-07-17T10:21:23.719Z",
        "updatedAt": "2025-07-17T10:21:23.719Z",
        "createdById": 2,
        "createdBy": {
            "id": 2,
            "name": "Tom Ricky",
            "email": "admin@example.com"
        }
    },
```

```
    {
        "id": 4,
        "name": "T-Shirt Yakalı",
        "description": "Pamuklu",
        "price": 150,
        "category": "Giyim",
        "createdAt": "2025-07-17T10:19:35.557Z",
        "updatedAt": "2025-07-17T10:19:35.557Z",
        "createdById": 2,
        "createdBy": {
            "id": 2,
            "name": "Tom Ricky",
            "email": "admin@example.com"
        }
    },
    {
        "id": 2,
        "name": "T-Shirt",
        "description": "Pamuklu rahat t-shirt",
        "price": 150,
        "category": "Giyim",
        "createdAt": "2025-07-17T10:08:24.134Z",
        "updatedAt": "2025-07-17T10:08:24.134Z",
        "createdById": 2,
        "createdBy": {
            "id": 2,
            "name": "Tom Ricky",
            "email": "admin@example.com"
        }
    },
    {
        "id": 1,
        "name": "Akıllı Telefon",
        "description": "Son model akıllı telefon",
        "price": 4500,
        "category": "Elektronik",
        "createdAt": "2025-07-17T10:08:24.128Z",
        "updatedAt": "2025-07-17T10:08:24.128Z",
        "createdById": 2,
        "createdBy": {
            "id": 2,
            "name": "Tom Ricky",
            "email": "admin@example.com"
        }
    }
]
```

*Filtering by category

GET /api/products?category=Giyim

Response:

```json
[
    {
        "id": 5,
        "name": "Kanvas Ceket",
        "description": "Mevsimlik kanvas kumaştan şık ceket",
        "price": 399,
        "category": "Giyim",
        "createdAt": "2025-07-17T10:21:23.719Z",
        "updatedAt": "2025-07-17T10:21:23.719Z",
        "createdById": 2,
        "createdBy": {
            "id": 2,
            "name": "Tom Ricky",
            "email": "admin@example.com"
        }
    },
    {
        "id": 4,
        "name": "T-Shirt Yakalı",
        "description": "Pamuklu",
        "price": 150,
        "category": "Giyim",
        "createdAt": "2025-07-17T10:19:35.557Z",
        "updatedAt": "2025-07-17T10:19:35.557Z",
        "createdById": 2,
        "createdBy": {
            "id": 2,
            "name": "Tom Ricky",
            "email": "admin@example.com"
        }
    },
    {
        "id": 2,
        "name": "T-Shirt",
        "description": "Pamuklu rahat t-shirt",
        "price": 150,
        "category": "Giyim",
        "createdAt": "2025-07-17T10:08:24.134Z",
        "updatedAt": "2025-07-17T10:08:24.134Z",
        "createdById": 2,
        "createdBy": {
            "id": 2,
            "name": "Tom Ricky",
            "email": "admin@example.com"
        }
    }
]
```

🔍 Get Product Details by ID

GET /api/products/id

Response:

```
{
    "id": 4,
    "name": "T-Shirt Yakalı",
    "description": "Pamuklu",
    "price": 150,
    "category": "Giyim",
    "createdAt": "2025-07-17T10:19:35.557Z",
    "updatedAt": "2025-07-17T10:19:35.557Z",
    "createdById": 2,
    "createdBy": {
        "id": 2,
        "name": "Tom Ricky",
        "email": "admin@example.com"
    }
}
```

🗣️ Reviews

✍️ Create Review

POST `/api/reviews`

🔒 Requires JWT

Request:

```
{
  "productId": 1,
  "rating": 5,
  "content": "Great product!"
}
```

Response:
```
{
    "id": 4,
    "content": "Great product!",
    "rating": 5,
    "createdAt": "2025-07-17T14:26:24.498Z",
    "userId": 5,
    "productId": 1
}
```

📄 Get Reviews for a Product

GET `/api/reviews/product/:productId`

Response:
```
[
```

```json
    {
        "id": 1,
        "content": "Harika ürün, tavsiye ederim!",
        "rating": 5,
        "createdAt": "2025-07-17T10:08:24.148Z",
        "userId": 1,
        "productId": 1,
        "user": {
            "id": 1,
            "email": "alice@example.com",
            "password":
"$2b$10$hGFUNtJIAZ3BOg5s4DKbh.BFnGzW.z1UEMnUmI70EiYZKvqjdY9pi",
            "name": "Alice Track",
            "role": "USER",
            "createdAt": "2025-07-17T10:08:24.067Z",
            "updatedAt": "2025-07-17T10:08:24.067Z"
        }
    },
    {
        "id": 4,
        "content": "Great product!",
        "rating": 5,
        "createdAt": "2025-07-17T14:26:24.498Z",
        "userId": 5,
        "productId": 1,
        "user": {
            "id": 5,
            "email": "aybars@obal.com",
            "password":
"$2b$10$BsEq9q6gr2YCAu8EcOoLtejTPkFGWv.RwAixN9tkW.qm7nswcKKtq",
            "name": "Admin Aybars",
            "role": "ADMIN",
            "createdAt": "2025-07-17T13:41:45.916Z",
            "updatedAt": "2025-07-17T13:41:45.916Z"
        }
    }
]
```

☑️ Middleware Checks

- All authenticated routes use `authenticateJWT` middleware.

- Role-based checks (Admin only for product creation).

- Users can only review a product they purchased (review middleware).