

# **API Documentation – E-Commerce API**

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



Register (Create User)

POST /api/auth/register

### **Request:**

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

#### **Response:**

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

# **Login** (Generate JWT)

 ${f POST}$  /api/auth/login

### **Request:**

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

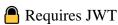
```
{
  "token": "jwt_token_here"
}
```





# **Q** Get Current User Profile

GET /api/profile/me



#### **Response:**

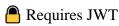
```
"id": 1,
"email": "user@example.com",
"name": "John Doe",
"role": "ADMIN",
"createdAt": "2025-07-17T13:41:45.916Z",
```





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

POST /api/card



### **Request:**

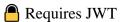
```
"productId": 5,
"quantity": 3
```

#### **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



```
"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"
}
```



### 1 Create Order

POST /api/orders

Requires JWT

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

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

### 2 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:**

```
"name": "T-Shirt",
  "description": "Cotton material",
  "price": 150,
  "category": "Clothing"
Response:
{
    "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
}
E List All Products
```

GET /api/products

#### **Response:**

[

```
"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
```

#### **Response:**

```
[
    {
        "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"
        }
    }
]
```



### **Q** Get Product Details by ID

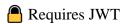
GET /api/products/id

```
{
    "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,
    "createdById": 2,
    "createdBy": {
        "id": 2,
        "name": "Tom Ricky",
        "email": "admin@example.com"
    }
}
```



### **Create Review**

POST /api/reviews



#### **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**

 ${\bf GET} \ / {\tt api/reviews/product/:productId}$ 

```
Response:
```

```
"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).