

# E-Commerce API Documentation

## Customers

### List all customers

- **Endpoint:** `GET /api/customers/`
- **Description:** Retrieve a list of all customers.
- **Response:**
  - Status Code: 200 OK
  - Body: Array of customer objects.

### Create a new customer

- **Endpoint:** `POST /api/customers/`
- **Description:** Create a new customer.
- **Request:**
  - Method: POST
  - Body: JSON data with customer details (`name`, `contact_number`, `email`).
- **Response:**
  - Status Code: 201 Created
  - Body: Newly created customer object.

### Update existing customer

- **Endpoint:** `PUT /api/customers/<id>/`
- **Description:** Update details of an existing customer.
- **Request:**
  - Method: PUT
  - Body: JSON data with updated customer details.
- **Response:**
  - Status Code: 200 OK
  - Body: Updated customer object.

## Products

### List all products

- **Endpoint:** `GET /api/products/`
- **Description:** Retrieve a list of all products.

- **Response:**
  - Status Code: 200 OK
  - Body: Array of product objects.

## Create a new product

- **Endpoint:** `POST /api/products/`
- **Description:** Create a new product.
- **Request:**
  - Method: POST
  - Body: JSON data with product details (`name`, `weight`).
- **Response:**
  - Status Code: 201 Created
  - Body: Newly created product object.

## Orders

### List all orders

- **Endpoint:** `GET /api/orders/`
- **Description:** Retrieve a list of all orders.
- **Response:**
  - Status Code: 200 OK
  - Body: Array of order objects.

### Create a new order with multiple products

- **Endpoint:** `POST /api/orders/`
- **Description:** Create a new order with multiple products and quantities.
- **Request:**
  - Method: POST
  - Body: JSON data with order details and order items.
- **Response:**
  - Status Code: 201 Created
  - Body: Newly created order object.

### Edit existing order

- **Endpoint:** `PUT /api/orders/<id>/`
- **Description:** Update details of an existing order.
- **Request:**
  - Method: PUT

- Body: JSON data with updated order details.

- **Response:**

- Status Code: 200 OK
- Body: Updated order object.

## List orders based on products

- **Endpoint:** `GET /api/orders/?products=Product1,Product2`

- **Description:** Retrieve a list of orders containing specific products.

- **Response:**

- Status Code: 200 OK
- Body: Array of order objects.

## List orders based on customer

- **Endpoint:** `GET /api/orders/?customer=JohnDoe`

- **Description:** Retrieve a list of orders for a specific customer.

- **Response:**

- Status Code: 200 OK
- Body: Array of order objects.