

E-Commerce API Structure

Endpoint: /products

Method: GET

Description: Fetch a list of products with details such as product name, description, image, price, stock quantity, and category.

Response Example:

```
[
  {
    "productName": "Product A",
    "description": "A description of Product A",
    "image": "https://example.com/images/product-a.jpg",
    "price": 100,
    "stockQuantity": 50,
    "category": "Category A"
  },
  {
    "productName": "Product B",
    "description": "A description of Product B",
    "image": "https://example.com/images/product-b.jpg",
    "price": 120,
    "stockQuantity": 30,
    "category": "Category B"
  }
]
```

Endpoint: /orders

Method: POST

Description: Create a new order. The request body should include recipient details (name, address), shipment details (weight), and product ID.

Request Payload Example:

```
{
  "recipient": {
    "name": "John Doe",
    "address": "123 Main St, City, Country"
  },
  "shipment": {
    "weight": 5.5
  },
  "products": [
    {
      "id": 1,
      "quantity": 2
    },
    {
      "id": 2,
      "quantity": 1
    }
  ]
}
```

Response Example:

```
{  
  "orderId": "123456",  
  "status": "created",  
  "message": "Order created successfully"  
}
```

Endpoint: /shipment

Method: GET

Description: Track the shipment status using live tracking information, including ETA, tracking history, status, and location.

Response Example

```
{
  "trackingId": "abcd1234",
  "status": "shipped",
  "location": "City, Country",
  "eta": "2025-01-30",
  "trackingHistory": [
    {
      "status": "Order received",
      "location": "Warehouse, City, Country",
      "date": "2025-01-25"
    },
    {
      "status": "Shipped",
      "location": "Shipping Hub, City, Country",
      "date": "2025-01-26"
    }
  ]
}
```