E-commerce API Documentation

Welcome to the documentation for the E-commerce API. This API allows you to manage products and create and view orders for your e-commerce platform. Below, you'll find detailed information on the available endpoints and how to use them.

Base URL

The base URL for all API endpoints is: `http://127.0.0.1:8000`

Endpoints

1. Check if the API is Running

Endpoint: `/`

Method: `GET`

Description: Check if the API is running and returns a simple message.

Response:

- Status Code: 200 (OK)
- Response Body: `"API is running"`

2. Get List of Products

Endpoint: `/products`

Method: `GET`

Description: Retrieve a list of available products.

Response:

- Status Code: 200 (OK)
- Response Body: List of products in JSON format.

```
Unset
[
 {
  "id": 1,
  "name": "TV",
  "price": 500.0,
  "quantity": 100
 },
 ...
]
```

3. Create an Order

Endpoint: /orders

Method: POST

Description: Create a new order by specifying the items and delivery address.

Request Body:

- JSON object with the following structure:

```
Unset
{
  "items": [
    {
      "product_id": 1,
      "bought_quantity": 2
    },
    ...
  ],
  "address": {
    "city": "New York",
    "country": "USA",
    "zip_code": "10001"
  }
}
```

Response:

- Status Code: 200 (OK)
- Response Body: Details of the created order in JSON format.

```
Unset
{
 "id": 1,
 "timestamp": "2023-09-24T12:00:00",
 "items": [
  {
   "product_id": 1,
   "bought_quantity": 2
  },
  ...
 ],
 "total_amount": 1000.0,
 "address": {
  "city": "New York",
  "country": "USA",
  "zip_code": "10001"
 }
}
```

4. Get List of Orders

Endpoint: /orders

Method: GET

Description: Retrieve a list of orders with optional pagination.

Query Parameters:

- skip (optional): Number of records to skip (default is 0).
- limit (optional): Maximum number of records to return (default is 10).

Response:

- Status Code: 200 (OK)
- Response Body: List of orders in JSON format.

5. Get Order by ID

Endpoint: `/orders/{order_id}`

Method: `GET`

Description: Retrieve details of a specific order by providing its ID.

Path Parameters:

- `order_id`: ID of the order to retrieve.

Response:

- Status Code: 200 (OK)
- Response Body: Details of the order in JSON format.
- Example: (For order_id: 1)

```
Unset
{
 "id": 1,
 "timestamp": "2023-09-24T12:00:00",
 "items": [
  {
   "product_id": 1,
   "bought_quantity": 2
  },
  ...
 ],
 "total_amount": 1000.0,
 "address": {
  "city": "New York",
  "country": "USA",
  "zip_code": "10001"
 }
}
```

6. Update Product Quantity

Endpoint: `/products/{product_id}`

Method: `PATCH`

Description: Update the quantity of a specific product.

Path Parameters:

- `product_id`: ID of the product to update.

Request Body:

- JSON object with the following structure:

```
Unset
{
 "quantity": 50
}
```

Response:

- Status Code: 200 (OK)
- Response Body: Updated product details in JSON format.