

API Documentation - Product Management System

Generated Documentation

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1 Introduction

This document provides an overview of the REST API for managing products, purchases, and customer references. The API allows users to upload products with images, retrieve product details, make purchases, and manage customer references.

2 Base URL

The API is hosted locally at:

`http://localhost:5000`

3 Endpoints

3.1 /products (GET, POST)

Description: Retrieve all products or add a new product.

GET Request:

GET /products

Response:

```
[ {  
  "id": 1,  
  "name": "Test Product",  
  "description": "This is a test product.",  
  "price": "10.99",  
  "image_url": "http://localhost:5000/uploads/test.jpg"  
} ]
```

POST Request:

POST /products

Form Data:

- name (string)
- description (string)
- price (string)
- image (file)

Response:

```
{
  "message": "Product added",
  "product": { "id": 1, "name": "Test Product", "description": "Test Desc", "price": "10.99" }
}
```

3.2 /products/{product_id} (GET)

Description: Retrieve a product by its ID.

Request:

GET /products/1

Response:

```
{
  "id": 1,
  "name": "Test Product",
  "description": "Test Desc",
  "price": "10.99",
  "image_url": "http://localhost:5000/uploads/test.jpg"
}
```

3.3 /products/{product_id}/references (GET, POST)

Description: Retrieve or add references for a specific product.

GET Request:

GET /products/1/references

Response:

```
{
  "product_id": 1,
  "references": [ "Great product!" ]
}
```

POST Request:

POST /products/1/references

Body (JSON):

```
{
  "reference": "Great product!"
}
```

Response:

```
{
  "message": "Reference added",
  "product_id": 1,
  "references": [ "Great product!" ]
}
```

3.4 /purchase (POST)

Description: Register a new product purchase.

POST Request:

POST /purchase

Body (JSON):

```
{
  "product_id": 1,
  "username": "JohnDoe",
  "phone": "123-456-7890",
  "address": "123 Main St, Springfield",
  "bank": "Bank of America"
}
```

Response:

```
{
  "message": "Purchase registered successfully",
  "purchase": {
    "product_id": 1,
    "username": "JohnDoe",
    "phone": "123-456-7890",
    "address": "123 Main St, Springfield",
    "bank": "Bank of America"
  }
}
```

3.5 /purchases (GET)

Description: Retrieve all purchases.

GET Request:

GET /purchases

Response:

```
[{
  "product_id": 1,
  "username": "JohnDoe",
  "phone": "123-456-7890",
  "address": "123 Main St, Springfield",
  "bank": "Bank of America"
}]
```