🪧 API Documentation – Sabhyasha E-commerce

> A complete RESTful backend for an e-commerce platform using Django, DRF, JWT, Postman, and MySQL.

🔐 Authentication

All protected endpoints require an Authorization header:

```
Authorization: Bearer <access_token>
```

👤 Accounts APIs

◇ Register

- **POST** /accounts/register/
- Register as buyer or seller

Request Body:

```
{
  "email": "user@example.com",
  "username": "user123",
  "password": "password123",
  "is_buyer": true,
  "is_seller": false
}
```

◇ Login (JWT)

- **POST** /accounts/login/
- Get JWT access and refresh tokens

Request Body:

```
{
  "email": "user@example.com",
  "password": "password123"
}
```

◇ Refresh Token

- **POST** /accounts/refresh/
- Refresh access token

Request Body:

```
{
  "refresh": "<refresh_token>"
}
```

🗄 Products APIs

◇ List Products

- **GET** /products/
- Public product listing with search and price sorting

Query Params:

- search: keyword
- ordering: price or -price

◇ Add Product

- **POST** /products/add/
- Seller only

Request Body:

```
{
  "name": "Cotton Kurta",
  "description": "Soft and breathable",
  "price": "799.00",
  "stock": 20
}
```

📦 Orders APIs

◇ Create Order

- **POST** /orders/create/
- Buyer only

Request Body:

```json
{
  "status": "PENDING",
  "items": [
    {
      "product": 1,
      "quantity": 2,
      "price": "799.00"
    }
  ]
}
```

◇ List Orders

- **GET** /orders/
- Role-based access (buyers: their orders, sellers: for their products)

◇ Order Detail

- **GET** /orders/{id}/

◇ Update Order Status (Planned)

- **PUT** /orders/{id}/status/
- **PATCH** /orders/{id}/status/

Request Body (PATCH):

```json
{
  "status": "SHIPPED"
}
```

🔨 Role Access Summary

Endpoint	Buyer	Seller	Guest
/accounts/register/	☑	☑	☑
/accounts/login/	☑	☑	☑
/products/	☑	☑	☑
/products/add/	✘	☑	✘

Endpoint	Buyer	Seller	Guest
/orders/create/	☑	✖	✖
/orders/	☑	☑	✖
/orders/{id}/	☑	☑	✖
/orders/{id}/status/	✖	☑	✖

Tech Stack: Django, DRF, SimpleJWT, Postman, MySQL, phpMyAdmin

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