E-commerce Django Project Documentation

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1. Project Overview

This Django-based E-commerce platform allows users to login/logout and register to browse products, add items to a shopping cart. It includes both user-facing and admin functionalities.

2. Features

- **User Authentication: Sign-up, login, and profile management.**
- **Product : Products with detailed information, add, update and delete.**
- **Shopping Cart: Add functionality .**
- **Admin Dashboard: For product, and user management.**

3. Installation

Prerequisites

- **Python 3.x**
- **Django 3.x or higher**
- **SQLite (default for Django)**

Steps

1. **Clone the repository:**

bash

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git clone https://github.com/Prashunsharma/E-commerce-.git

2. **Navigate to the project directory:**

bash

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cd e_commerce

3. **Run migrations:**

bash

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python manage.py migrate

4. **Run the server:**

bash

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python manage.py runserver

4. Usage

1. **Open http://127.0.0.1:8000 in your browser.**

2. **Register a new account or log in as an existing user.**

3. **Browse products, add items to the cart, and proceed with checkout.**

4. **Admins can manage content via the Django admin panel (http://127.0.0.1:8000/admin).**

5. Project Structure

bash

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e_commerce/

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├── cart/   # Shopping cart functionality

├── users/   # User authentication and profiles

├── db.sqlite3   # Database file (SQLite)

├── manage.py   # Django project management file

6. App Overview

cart

Handles adding items in the shopping cart.

products

Stores and displays product information including categories, prices, and availability.

users

Manages user registration, login, and profile information.

7. API Endpoints

Authentication

- **POST /auth/register: Register a new user.**

- **POST /auth/login: Log in an existing user.**

Cart

- **GET /cart/: Retrieve cart items.**

- **POST /cart/add/: Add an item to the cart.**

Products

- **GET /products/: Retrieve list of products.**

- **GET /products/<id>/: Retrieve product details by ID.**

8. Contributing

1. **Fork the repository.**

2. **Create a new branch.**

3. **Commit and push changes.**

4. **Submit a pull request.**

9. License

This project is licensed under the MIT License.