Project Name:Shopping App Using Python

Project Requirement: You have to develop a shopping application or e-commerce application which has login and public login features on the Python platform. The applications that have been developed should also include categories, such as 3–4 for footwear, clothing, electronics, etc. It should be possible to add and update categories in the application. Additionally, it must contain a feature that allows you to add or remove items from your cart. Finally, the program needs to support a variety of payment options, including UPI and debit cards. This should be only a backend implementation, and UX/UI and database connectivity are not required.

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GitHub link: https://github.com/sameervajidali/Phase-1\_Shopping-App-Using-Python

**Contents to include:**

* **Project Title:**  
  Shopping Application Backend Implementation in Python
* **Objective:**  
  To develop a console-based shopping app backend with user/admin login, product and category management, cart operations, and payment simulation.
* **Project Overview:**  
  A Python program simulating an e-commerce backend that supports multiple product categories, secure login sessions for users and admins, product catalog management, cart management for users, and checkout with various payment options.
* **Features Implemented:**
  + Welcome message on startup
  + Demo user and admin login with session handling
  + View, add, update, remove products (admin only)
  + Add, remove categories (admin only)
  + View product catalog (all users)
  + User cart operations: add/remove/view items
  + Checkout with multiple payment options (UPI, Debit Card, Net Banking, PayPal)
  + Role-based access control ensuring users/admins can only access their permitted features
  + Console-based interaction, no database or UI
* **Assumptions & Limitations:**
  + In-memory data storage, no persistent database
  + No real payment gateway integration; payments are simulated
  + Simple text-based interface for demo purposes