Database Project – Pharmeasy Application

TEAM_ID - G1-T3

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Objective

Design and implement a database for an online pharmacy application that enables company stores to sell medicines and pharmaceutical products to customers at their preferred locations. The system will allow customers to search for and order medicines online while incorporating all standard features of a modern online pharmacy, including prescription verification, order tracking, and doctor consultations.

Application Users

- Surfer (Unregistered Users)
- Buyers
- Pharmeasy Admin
- Warehouses

Use Case - Unregistered Users

Unregistered users are those who visit the app and explore without signing up or logging in. They can perform the following actions:

- Search for medicines using one or more criteria, such as medicine name, category, price, and discounts.

- View detailed information about a specific medicine (drug details).

- Check the stock availability of a particular medicine.

Use Case - Buyers

- Sign Up/Login

- Search medicines

- Add to Cart & Wishlist

- Place Order

- Purchase Memberships

- Doctor Consultation

- Order Status

Buyers Sign Up/Login

Buyers must sign up or log in before placing an order. They are required to submit personal and essential details (e.g., Name, phone number, email, etc.).

Search Medicine

Customers can find medicines by searching based on name, category, price, or stock availability.

Add to Cart / Wishlist

Customers can add, remove, or modify items in their cart and wishlist as per their preferences.

Wishlist: Primarily used for out-of-stock items or frequently needed products.

Place Order

Customers can review product details, quantity, shipping address, and payment method. They can also apply discount coupons as per the applicable terms and conditions.

Membership

Customers with an active membership can enjoy additional cashback and free delivery, subject to order value and applicable terms and conditions.

Doctor Consultation

Customers can consult with MBBS doctors for any queries or concerns related to specific medications, prescriptions, or general health advice.

Order Status

Orders will be confirmed after verifying certain details and payment status. Customers can view order tracking:

- **Delivered** - When the order is successfully delivered.

- **Processing** – The order is being packed and prepared for dispatch.

- **Out for Delivery** – The delivery agent has picked up the order and is en route.

- **Refund Initiated** – If applicable, indicates that a refund is being processed.

Pharmeasy Admin

MBBS Doctors (Employees)

- Doctors will access the database to verify prescriptions uploaded by users and provide consultations upon request.

- Track the patient's history for better consultations and suggest alternative medicines if a prescribed one is not available.

Management Staff

Employees will use the database to manage stock levels, ensure inventory availability, and assist users with any queries or support they may need.

Warehouse Members

Members of various PharmEasy warehouses will access the database to pack user-placed medicine orders and hand them over to the assigned delivery personnel.

Note: In addition, we are considering incorporating customer ratings, order refunds for cancellations, a lab test feature, and other enhancements.

Tentative Queries

For General Users

- Find medicines belonging to a specific category (e.g., 'Heart').
- Get the description and purpose of a specific medicine (for example, 'Dolo 650').

For Logged-in Users

- Modify personal details.
- View past orders.
- Manage wishlists.

For Pharmeasy Admin

- Identify the most frequently ordered medicine.
- View a list of undelivered orders.
- Check sales for a specific month.
- Access past health complaints made by a particular customer.

For Warehouse Members

- Identify items that are out of stock in a specific warehouse.
- Find the delivery personnel associated with a specific order placed at their warehouse.

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