Pharma-Flow: An Online Pharmacy Store

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Pharmacy Management System

1 Project Scope

Introduction

In today's world of pollution and stress, the demand for medicines is increasing. To meet this challenge, pharmacies need an uncomplicated and reliable way to manage themselves. For this, we have designed a DBMS-based pharmacy management system. It emerges as a dependable and efficient solution, seamlessly connecting customers, suppliers, administrators, and delivery agents.

Our application enables the pharmacist to efficiently manage his inventory, handle customer orders and deliveries, request suppliers, and manage delivery persons.

It's convenient for the customers as they can get whatever medicine they want without leaving their homes. There is also a provision to upload the prescription. It's useful when there is there is an emergency, or you're sick or elderly or you have someone sick to take care of.

Delivery persons can register themselves for the pharmacy which will verify them after which they will get the post.

We hope that our application makes life convenient for customers and delivery partners and improves the operations of the pharmacy.

Objective

The primary objective of the Pharmacy Management System is to design and implement a database-driven application that:

1. Wide Product Range: Customers can purchase a wide array of products, such as generic, branded, Ayurveda, and homeopathy medicines.

2. Maintaining Order History: Record and track all purchases made by customers.

3. For the pharmacist: Automates the management of inventory, prescriptions, and customer transactions.

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4. Inventory management: Tracks medicine stock levels, expiry dates, and reorder requirements and provides sales analysis.

5. User-friendly: The application is easy to navigate, especially for the elderly.

6. It will be a common platform for customers, pharmacists, delivery partners, and admins.

Stakeholders

1. Customers: Individuals looking to purchase medicines and health-related products online.
2. Pharmacists: Shops that stock the products.
3. Delivery Partners: Responsible for the efficient and safe delivery of orders.
4. Admin(s): Responsible for maintaining the app and database management and verifying the pharmacists.
5. Suppliers: Responsible for supplying the required medicines.

2 Technical Requirements

- MySQL
- Python
- HTML
- CSS
- Javascript
- ReactJS
- Flask

3 Detailed Overview of the Functionality

Customer Functionalities

- Sign Up and Login: Users can register and log in using their email address and phone number.
- Search Bar: Users can search for their medicine using their medicine name.
- Medicine Category: user can search for medicine according to their prescription such as ayurveda, homeopathy, etc.
- Photo Analysis of prescription: Users can upload a photo of the prescription to the pharmacist if they can't understand it.
- Shopping Cart: Users can add medicines they want to buy to the cart.
- Place order.
- Order tracking: Users can track their orders.
- Order history: Users can view previous orders.

- Give ratings and feedback to delivery persons and the pharmacy.
- Sign Out

Admin (Pharmacist)

- Multiple employees can login as Admin using an ID and Password on multiple computers.
- Admin can add his Drug License, Shop license, GST certificate, contact details, and other certificates for customers to see.
- Manage current orders.
- Manage inventory(auto-decrement stocks on purchase, manually add on re-stocking)
- View order analytics and revenue statistics
- Manage Suppliers
- Manage delivery partners
- View Customer and delivery person feedback