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# MED-EASE (Online Pharmacy Management System)

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## SCOPE

### Introduction

This project revolves around developing an online pharmacy application focused on simplifying and enhancing the experience of purchasing medicines and health supplements, coupled with an emphasis on user convenience and accessibility.

### Objectives

1. Extensive Product Range: Provide a wide array of pharmaceutical products, including prescription drugs, over-the-counter medications, and wellness products.
2. Informational Database: Offer information about drugs, side effects, and contraindications, to educate users.
3. Purchasing Pharmaceutical Products: Enable customers to buy an available product.
4. Maintaining Order History: Record and track all purchases made by customers.
5. User-Friendly Interface: Design an application that is easy to navigate for users of all ages, with a particular focus on accommodating the elderly.
6. Privacy and Data Security: Prioritize the confidentiality and protection of user data, adhering to best practices in data security.

### Stakeholders

1. Customers: Individuals looking to purchase medicines and health-related products online.
2. Suppliers: Professionals who supply the product.
3. Delivery Personnel: Responsible for the efficient and safe delivery of orders.
4. Admin(s): Responsible for maintaining the database and keeping track of sales.

## FUNCTIONAL REQUIREMENTS

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Our client side of the application will consist of two part system one will be the delivery partner other will be customers

### **Customer functionalities:**

Functional Requirements for the Customer Side of the Medicine Delivery App:

1. User Registration: Users would be able to create accounts by providing necessary information, including personal details and contact information.
2. Login: Registered users will be able to securely log in to their accounts using valid credentials to access the app's features.
3. Selecting the Required Meds: Customers would be able to browse and select the medicines they need from a comprehensive list with relevant details.
4. Cost Calculation + Delivery Fee Calculation: The app will calculate the total cost of selected medicines, incorporating delivery fees based on the distance or other relevant factors.
5. Usage of Loyalty Points: Customers will have the option to redeem loyalty points, earning them 5% worth of points on each order, thereby providing a discount on their total order value.
6. Placing the order: Customers will able to place the order and see the status of their order
7. Viewing Past Orders: Users will be able to review and track their past medicine orders, including details such as order status, delivery date, and itemized lists.
8. Rating and Reviewing the Driver: After delivery, customers would be able to rate and provide feedback on the delivery partner's performance, contributing to the overall service quality evaluation.

### **Delivery Partner Functionalities:**

1. Registration: Delivery persons can create their accounts by providing relevant details, and set login credentials.
2. Login: Registered users can then login using their credentials to access the app's features.
3. Accepting Deliveries: The delivery partner will be able to view the order assigned to them and will have the choice to accept or reject the delivery, if rejected, they will have to wait until another delivery is assigned.
4. Viewing Delivery Status: The delivery partner can view the details of delivery such as source, destination, amount to be collected (if any) etc.
5. Completing Delivery: After a successful delivery, the delivery person can complete the order and mark it as closed on the app.

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6. View Feedback: The delivery person will be able to view the feedback given on a completed order.

7. View Past Orders: The delivery person will have the option to view all the previous deliveries they have made along with relevant order details.

Our server side will consist of an admin:

#### **Admin functionalities:**

All the tasks such as managing customers, managing delivery partners, assigning orders to the delivery partners, managing orders, viewing relevant details and trends, and so on will be handled by an administrator.

### **TENTATIVE ENTITIES**

Entity	Primary key	Other Features
Customers	CustomerID	Name(FName, MName, LName), EmailId, Addresses (location, pincode), LoyaltyPoints
Admin	EMAIL	Password
Delivery men	DeliveryMenID	Name, PhoneNumber, VehicleNumber, Rating
Items	ItemID	QtyInStock, Price, SupplierIDs, ExpiryDate, Description
Orders	OrderID	Date, time, customer id, deliverymen id, items id, qty
Suppliers	SupplierId	Name, phone number, products supplied

### **TECHNICAL REQUIREMENTS**

We will use MySQL DBMS to store and manage the data. We will be handling the Back-end using Python. We are yet to decide over a Front-end techstack but we will most likely use the Flask Framework for python.

### **CONTRIBUTIONS**

All members have contributed in deciding scope, functional requirements and entities of the project.