Group No. 71
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1) Scope of the project

With this project, we aim to design our own online retail store which includes inventory management and delivery system.In this project we are creating an online retail of medicines and products that can be found in a pharmacy. (For the reference of grader, we plan to make a Database Management System similar to applications like Netmeds,Pharmeasy).

The objective of this project is to record,store & manage the details of various medical products, online orders, shipment and users. We aim to build a project to ease the process of ordering instant medicines with a simplistic UI.

This project is an insight into the design and implementation of an online retail Pharmacy Management System.

The aim of this project is to develop software for the effective management of a pharmaceutical store with a suitable backend to deal with multiple requests along with proper monitoring.

The project provides proper control, storage, security and administration over the online pharmaceutical stores.

2)Technical Requirements

- **Front-end**
  HTML,TypeScript/JavaScript,CSS,React
- **Back-end**
  Django, Python
- **Database**
  MySQL

3) Functionalities

1. Procedure
➔ All the supplies of different medicines from different vendors will be recorded and added in the database along with important details like date of purchase, available stock, expiry date and information of the vendors.
➔ The user needs to register his/her basic credentials like Name,Age,Phone Number,Address etc.These details will be added in the database accordingly.
➔ The user can view all the different products under different categories and can add to cart after successfully signing up.
➔ Then the user must choose the mode of payment and redeem any offered code if applicable.
➔ Then the user will get a confirmation message once the order is placed successfully.
➔ The system will find the closest delivery partner and the user will also be able to track the delivery of their order.
➔ Once an order is received the user will have an option to provide feedback or use any return policy in case of damaged, expired or wrong item.
➔ There will also be a premium subscription which will automatically apply 10% discount on cart size value and free delivery charges.The user can order any time of the day with this subscription where the searching radius for closest delivery partner will increase.

2. Stakeholders
- Vendor/Supplier
- Admin (Inventory manager)
- Customer/User
- Delivery partner

3. Requirements

1.) Vendor/Supplier

1.) Sign-up/login
2.) Add product to stock
3.) Add/Remove product supply list
4.) Change Password

2.) Admin

1.) Add/remove product discounts
2.) Change the price of a product
3.) Add product details
4.) Edit payment details
5.) Add/block vendor
6.) Add/block delivery partner
7.) Block existing user
8.) Check Sales of a product
9.) Check Customer reviews
10.) View/Search Customer,Product,Vendor,Deliver partner list

3.) Delivery Partner

1.) Sign-up/login
2.) Accept/decline Delivery requests
3.) Update Delivery status
4.) Return order status

4.) Customer/User

1.) Search/browse Categories=>products
2.) Add/Remove product in Cart
3.) View Cart
4.) Checkout Cart
5.) Buy premium Subscription
6.) Change basic details like phone number,Address etc.
7.) Change Password
8.) View Past Orders
9.) Add/change mode of payment/details
10.) Return/Review product
11.) Redeem code
12.) Cancel product
13.) Track Order

Constraints

- The phone number needs to be unique for all the customers/deliver partners/vendor
- The delivery partner cannot accept two deliveries at the same time.
- The customer can't use more than one discount code at a time.
- All the data gathered by the app is accessible to the admin.
- Clients can only view goods, pricing, orders, and order history information, not things like how much stock is left, etc.
- Delivery Partner can only view pending orders and modify statuses.
- Vendors have access to stock levels for different categories and products,but not to other information.