

Team 165:

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ONLINE PHARMACY STORE

Project scope:

The project aims to develop a platform for Medical services like ordering medicines from home, providing facilities of Lab-testing, Online consultation and prescription of medicines is possible. It aims to prioritize human health over anything. The platform would also care of expiry and dosage of medicines and their count. In case of unavailability of a particular medicine, it would provide a substitute. Patient can book an appointment online and consult with the doctor at home itself and apply for different medical tests. The patient would be advised home tips for taking care and healing based on type of disease patient is suffering.

Separate interface for suppliers, doctors and administrators have been created for generating medical bills and taking care of count of medicines along with analysis of data.

Tech stack:

- Python
- MySQL
- HTML
- CSS
- JavaScript

Stakeholders:

- Patient
- Doctors

- Suppliers
- Laboratory staffs
- Pharmaceutical manufacturers
- government

Technical requirements:

1. Details like total sale and profit should not be disclosed to users and only be visible to administrative staff.
2. Scalability: database should be able to handle large amount of data with users working concurrently.
3. Personal information like user id, passwords should be kept hidden from doctors and other staffs.
4. Lab-test reports and prescription should only be visible between patient & doctor.

Functional requirements:

Customers:

1. User registration and login: Customers should be able to create an account and log in to access the store's features.
2. Product browsing and search: Customers should be able to browse and search for products by category, brand, or keyword.
3. Shopping cart and checkout: Customers should be able to add products to their cart and proceed to checkout.

4. Payment processing: The store should support multiple payment methods such as credit card, debit card, and PayPal.
5. Order tracking: Customers should be able to track their orders and view the status of their deliveries.
6. Prescription upload: Customers should be able to upload their prescriptions and get their medicines as per the prescription.

Admin:

7. Inventory management: The store should have an inventory management system to track the stock levels and notify the admin when the stock is low.
8. Supplier: The admin should have access to view and manage the goods, track the shipment from the supplier and manage the transportation and prices.
9. Customer service: The store should provide customer service options such as live chat, email, and phone support.
10. Admin Panel: The store should have an admin panel where the admin can manage the products, orders, and customer information.

Schema for the Project :

Customer: Patient ID, name, address, phone number, email, date of birth, and insurance information patient's medication history, including all prescriptions filled at the pharmacy, and any allergies or adverse reactions the patient may have.

Medication database: Drug name, generic name, dosage, manufacturer, price, and available quantity. It would also include fields for storing information on drug interactions and contraindications and any special storage requirements.

Sales: Transaction ID, date and time of the sale, items sold, quantity, unit price, and total cost.

Suppliers: Supplier ID, name, address, phone number, and email.

Inventory: Medication ID, quantity, and reorder threshold.