Database Management System
Assignment 1

Team

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Client Details

Client Name : Aashiyana Medicals

The client is a medical store located in Lucknow, Uttar Pradesh. They want to compete with the online brands by providing an online portal where their customers can shop through the internet and get the products at their store. It will increase the number of customers.

They want a system consisting of a web site which can provide the online medicine store delivery service. The site should be able to help the customer in selecting his item and to help the Admin in managing the orders from the customers.

In the shop there are multiple medicines, each has a serial number, name, quantity, purchase price, sales price, unit price and unit packs and availability status.

We will like to keep track of the following details about the users : their user id, full name, email, password hash, address, phone no., their access level(admin/customer).

Every order will be stored in the database with the order id, user id, date created, medicines and their quantity, amount and order status(pending/rejected/delivered).

System Requirements

Non Functional Requirements

- **Efficiency** : The customers should be able to purchase medicines in an efficient manner.

- **Reliability** : The system should provide a reliable environment to both customers and Admin. All orders should reach the admin without any errors.

- **Usability** : The web site is designed for a user friendly environment and ease of use.

- **Security** : Unauthorised person cannot access the panel and database, do not read and write the information.

- **Availability** : This website should be available Monday to Sunday at 9:30 am to 4:30 pm.

Functional Requirements

Users

User Login

This feature is used by the user/admin to login into the system. A user must login with his username and password to the system after registration but the admin is forced to login because admin's username and password is initialised as default. If they are invalid, the user and admin will not be allowed to enter the system.
- Username and password will be provided after which user registration is confirmed.
- Passwords should be hidden from others.

Register New User

In order to shop, a new user must first register in the system by entering basic information.
- System must be able to verify and validate information.
- To ensure security, the system has to encrypt the user's password.

Cart

The customer can put the chosen item in their shopping cart by clicking the "order" option on the product. The user can place an order for the items by entering a delivery address after verifying the things in their cart. The cart will be empty once the submission has been successful.
- System must ensure that only a registered customer can purchase items.

Browse Products

The user can browse the desired product. He can view descriptions of products. After confirming the items in the search user can select it into cart by providing a delivery address.

Admin

Manage Orders

The administrator can view orders and delete orders. The system must identify the login of the admin. Admin account should be secured so that only the owner of the shop can access that account.

Manage Products

The administrator can add, delete, hide, and view products.