School of Computer Science Engineering & Information Science

A Report on Mini-Project

Titled "Online Pharmacy Website"

Course Title: Web Technologies

Course Code: CSE2258

Date of Submission: 22/11/2025

Submitted By:

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Abstract:

The Online Pharmacy Management System is a web-based application developed using HTML, CSS, PHP, and MySQL (XAMPP) to simplify and streamline the process of browsing and purchasing medicines. The primary objective of the system is to provide users with an accessible online platform where they can view available medicines, check essential details, add items to the cart, and place orders quickly.

The system enables users to easily browse commonly required items, OTC (over-the-counter) medicines, and essential medical supplies, reducing manual effort and improving convenience. The project combines a clean and intuitive frontend design with efficient backend processing using PHP, while MySQL stores and manages user data, medicine listings, and order records. This ensures fast loading, accurate data handling, and a smooth overall user experience.

Overall, the system provides a convenient and user-friendly solution for online medicine ordering and enhances accessibility to basic healthcare needs.

Introduction:

PROBLEM STATEMENT

In many places, customers still rely on visiting physical pharmacies to check the availability of medicines, compare prices, and make purchases. This traditional method often results in inconvenience, long waiting times, limited product visibility, and lack of immediate access to essential medical supplies. Customers may also face difficulty locating specific over-the-counter medicines or verifying whether an item is in stock.

To address these challenges, there is a need for a simple and reliable online system that allows users to browse medicines, check details, and place orders from anywhere. The Online Pharmacy Management System provides a convenient platform where customers can access medicine information quickly and complete purchases without visiting the store physically. This system aims to reduce manual effort, improve accessibility, and create a smoother and more efficient medicine-ordering experience for all users.

Software and Hardware Requirements:

Software Requirements

1. Operating System: Windows 7/8/10/11
2. Frontend Technologies: HTML, CSS
3. Backend Technology: PHP
4. Database: MySQL (via XAMPP)
5. Server: Apache Server (XAMPP)
6. Browser: Chrome / Firefox / Edge
7. Code Editor: VS Code / Sublime Text / Notepad++

Hardware Requirements

1. Processor: Minimum Intel i3 or equivalent
2. RAM: 4 GB (8 GB recommended)
3. Hard Disk: At least 500 MB free space
4. Display: 1024×768 resolution or higher

Modules / Functionalities

1. User Module

- User Registration
- Login / Authentication
- View profile
- Browse medicines
- Add to cart
- Place orders

2. Product (Medicine) Management Module

- Display available medicines
- Category-wise listing (OTC, essentials, etc.)
- Medicine details: price, usage, quantity, expiry
- Search functionality

3. Cart Module

- Add selected items to cart
- Update quantity
- Remove items
- View total price

4. Order Management Module

- Place order
- Store order details in MySQL
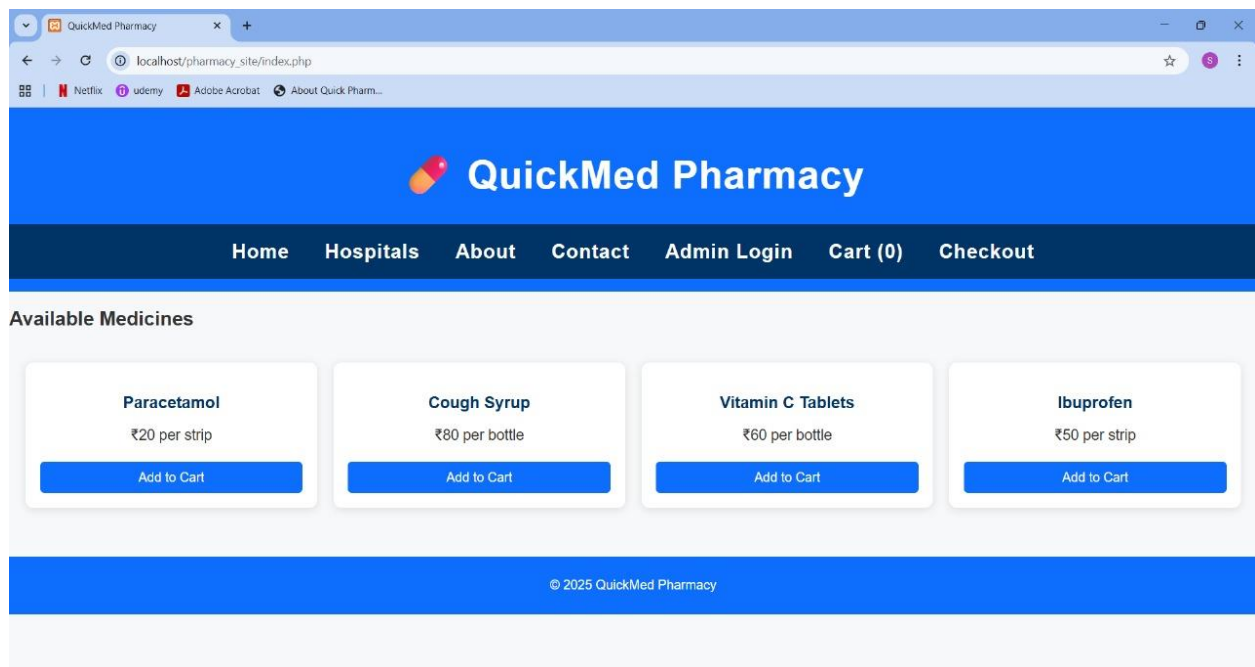- Generate order ID

- Display order confirmation

5. Admin Module

- Add/Edit/Delete medicines
- View customer orders
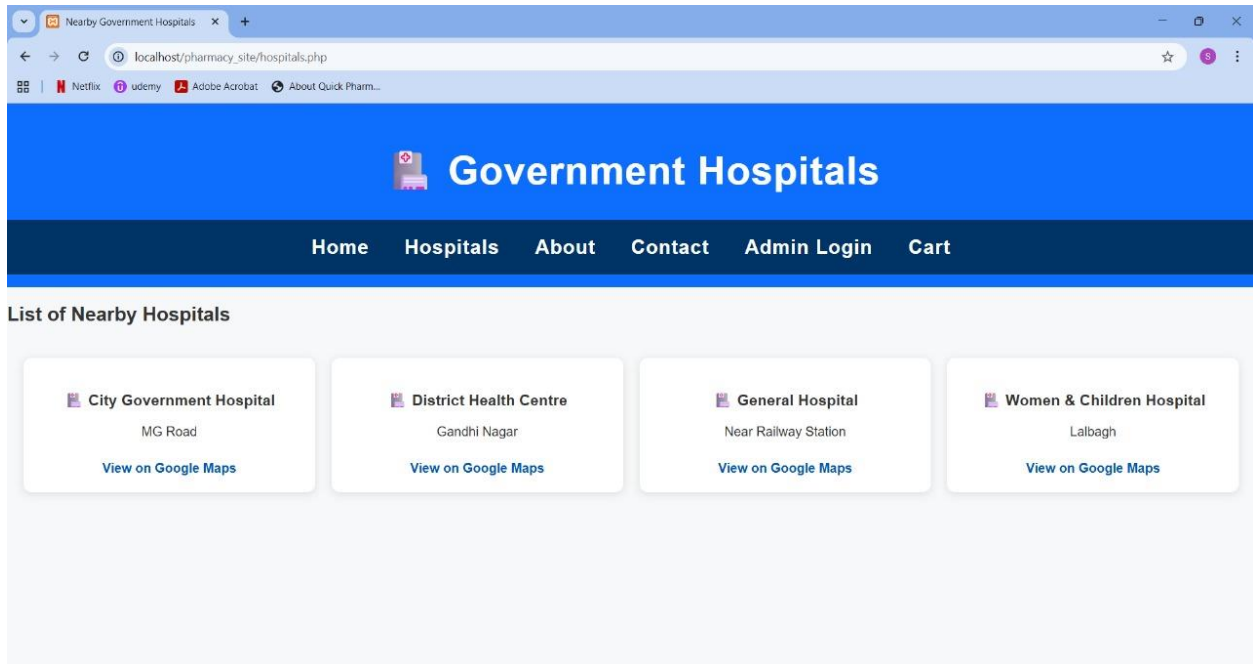- Manage inventory
- Update product details
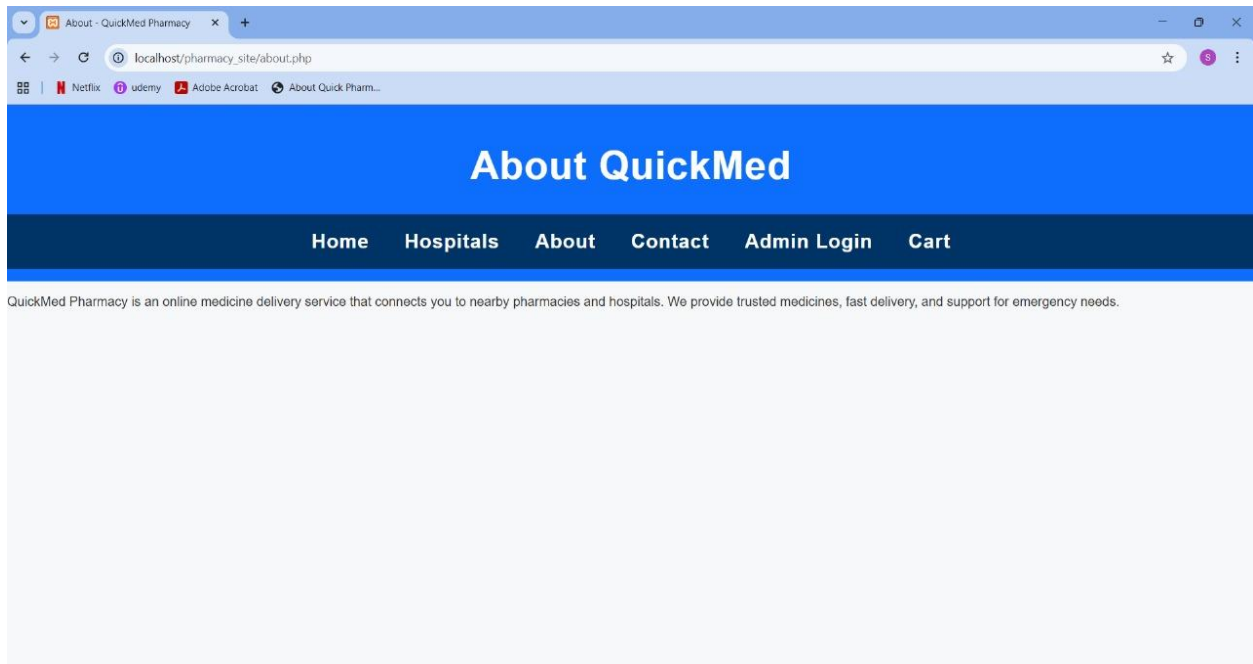
Results with Screenshots:

Screenshots included:

- ➢ Home Page
- ➢ Hospital Page
- ➢ About Page
- ➢ Contact Page
- ➢ Admin Login Page
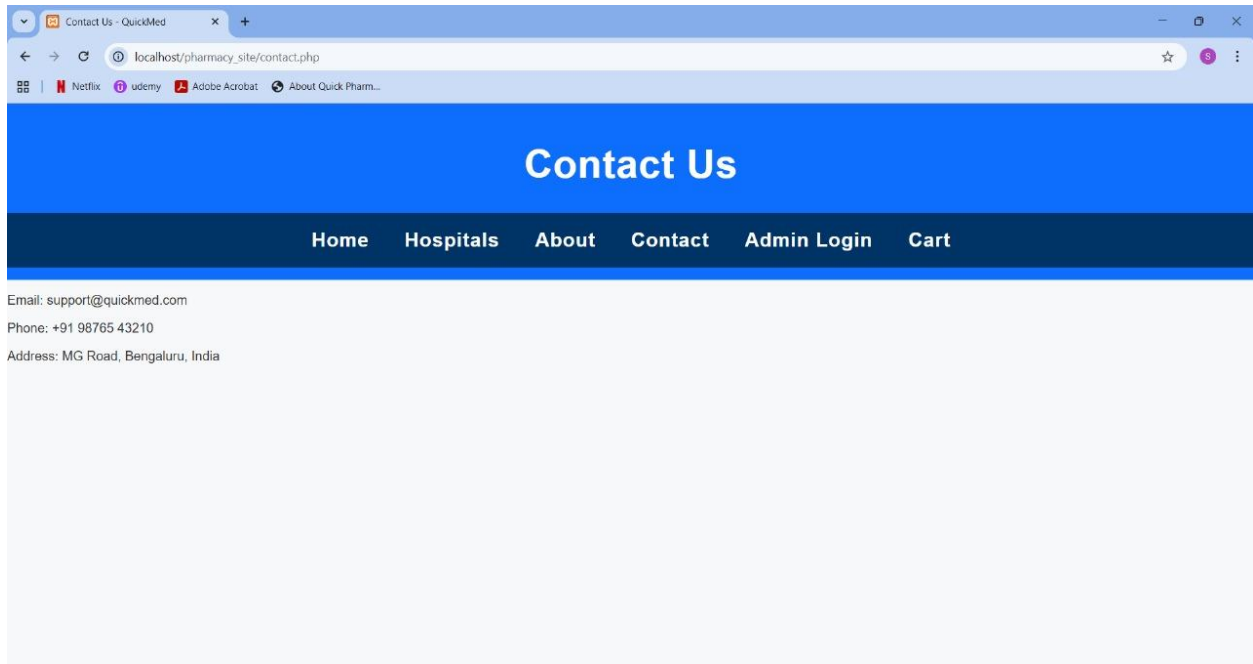- ➢ Customer Order Page
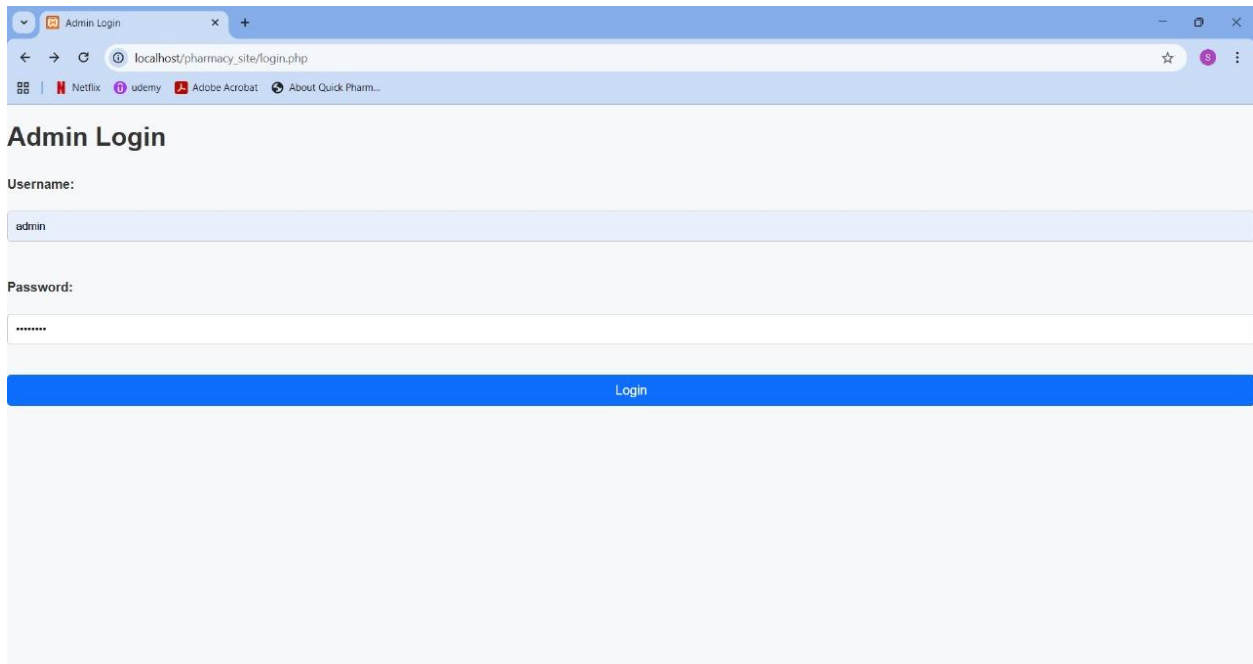- ➢ Cart Page
- ➢ Order-confirmed Page

Home Page

Hospital Page

About Page

Contact Page

Admin Login Page

Customer Order Page

All Orders

ID	Name	Phone	Items	Total	Date
13	srishti	8884055741	Ibuprofen x 1	₹50.00	2025-11-19 20:02:39
12	srishti	8884055741	Paracetamol x 1	₹20.00	2025-11-19 20:00:16
11	srishti	8884055741	Vitamin C Tablets x 1	₹60.00	2025-11-19 19:57:56
10	srishti	8884055741	Cough Syrup x 1	₹80.00	2025-11-19 19:55:35
9	rakshitaa	7829216519	Vitamin C Tablets x 1 Ibuprofen x 1	₹110.00	2025-11-17 12:14:49
8	srishti	8884055741	Vitamin C Tablets x 1	₹60.00	2025-11-17 12:09:39
7	srishti	8884055741	Paracetamol x 1	₹20.00	2025-11-17 11:46:55
6	srishti	8884055741	Cough Syrup x 1	₹80.00	2025-11-16 17:08:04
5	srishti	8884055741	Cough Syrup x 1 Vitamin C Tablets x 1	₹140.00	2025-11-16 12:50:44
4	srishti	8884055741	Cough Syrup x 3	₹240.00	2025-11-16 02:49:10
3	srishti	8884055741	Paracetamol x 1	₹20.00	2025-11-16 01:57:23
2	srishti	8884055741	Paracetamol x 1	₹20.00	2025-11-16 01:55:08
1	srishti	8884055741	Paracetamol x 5	₹100.00	2025-11-16 01:54:01

Logout

Cart Page

Your Cart

Home   Checkout

Selected Items

Item	Quantity	Price	Subtotal
Cough Syrup	− 1 +	₹80.00	₹80.00

Total: ₹80.00

Clear Cart

Proceed to Checkout

Checkout Page

Checkout

Home   Cart

Full Name:

srishti

Phone:

8884055741

Address:

k r puram

Payment Method:

Start

Checkout Page

localhost/pharmacy_site/checkout.php

Phone:

8884055741

Address:

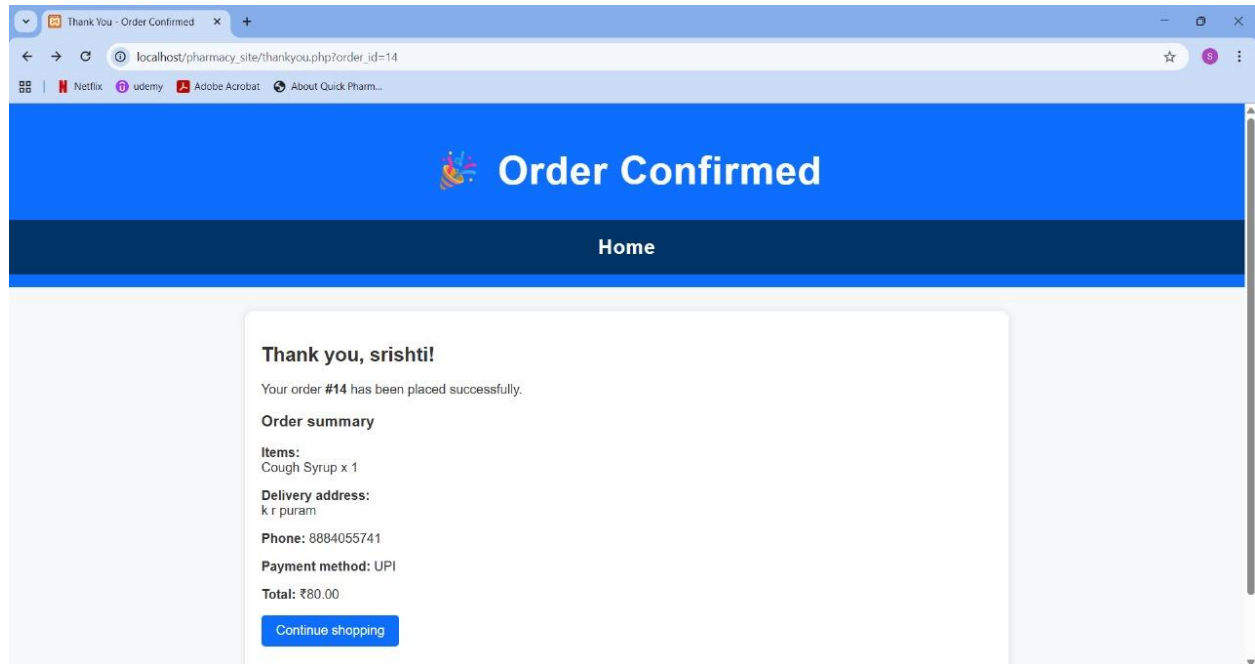k r puram

Payment Method:

UPI

Order Details:

Cough Syrup x 1

Total Price (₹):

80

Place Order

Order Confirmed Page

Conclusion:

The Online Pharmacy Management System successfully provides a streamlined digital solution for purchasing medicines online. The integration of HTML, CSS, PHP, and MySQL ensures a secure, modular, and efficient environment for managing products, users, and orders.

The system offers:

➔ Fast browsing
➔ Accurate data handling
➔ Easy order placement
➔ Secure storage of user and order information

Overall, the project enhances accessibility to healthcare supplies and demonstrates the practical application of full-stack web development concepts.