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**Department of Computer Science and Engineering**

Report on Front-End web development internship project

# Online Pharmacy Management System

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**Signature of Course Instructor**

## **ABSTRACT**

This project is in insight into the development and implementation of a Pharmacy Management System. The main goal is to improve the accuracy and improve the safety and efficiency of the pharmacy. Today management is one of the most important of all forms. Management provides the complexity of performing any type of work in a certain way. This is pharmacy management system is used to manage many pharmacy –related activities at the pharmacy. The pharmacy management system is a management system designed to improve the accuracy and improve the safety and efficiency of the pharmacy.

The system allows the user to enter the production date and expiration of a particular product or drug at the time of opening the stock and sale function. The system will also provide a report showing a list of expired products after the date specified before the expiration of the product. It also involves direct entry when new drug sets arrive and when drug leave the pharmacy for a release and release of drugs from pharmacy, receiving information about the notification eg,expiration date, purchase date, drug location at pharmacy.

Currently the hands on system is used in pharmacies. It requires the pharmacist to personally monitor each drug available of the pharmacy. This often leads to mistakes as the pharmacists job grows. Due to size and quality of the pharmacy service, the pharmacy has a very large customer base. These customers often visit the pharmacy to get services especially when they close at work. During this time, the number of customers who use pharmacy increases, thus making the pharmacists job more tedious. This case makes it difficult for the pharmacist to care for customers in the short term.

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## INTRODUCTION

The 'online pharmacy management system is an online website which take cares of a pharmacy's everyday needs and problems. In this world of AI and automation every sector is growing fast and to take care of this grown and improve it every sector needs a change in there working so to improve efficiency of a pharmacy store this website is the one step solution for all these common problems. Some of the main issues which every pharmacy manager face is expiry of medicenece, stock data like how much of stock is there in there warehouse is there any medicines out of stock or near expiry.

This pharmacy management system is a management system which is designed to improve the efficiency, safety, accuracy and productivity of a pharmacy. It is a website which helps the pharmacist to improve inventory management, cost, medicine safety etc. This is the system allows the user to enter the production date and expiration of a particular product or drug at the time of opening stock and sale function. The system will also provide a report showing a list of expired products after the date specified before the expiration of the product. It also involves direct entry when new drug sets arrive and when drug leave the pharmacy for a release and release of drugs from pharmacy, receiving information about the notification eg, expiration date, purchase date, drug location at pharmacy.

Currently the basic system is used in pharmacies. It requires the pharmacist to personally monitor each drug available at the pharmacy. This often leads to mistakes as the pharmacist's job grows.

## **PROBLEM STATEMENT**

The management and administration of very large pharmacy to its optimum with records on papers and an inventory control system alone in a time where is high business competition , will be fixed with a number of challenges, very tedious, difficult and incompletent in keeping up with standard towards achieving the best as a firm, and ensuring the trust of customers.

The following problems which occurred in pharmacy are:

1. There has been difficulty in maintaining record books to its effective use.
2. There have been issues in the effective communication and interaction between a customer and the pharmacist.
3. It has been time consuming and stressful.
4. There has been difficulty in establishing a secure database.

## OBJECTIVES

General Objectives: The main goal of the project is to develop and implement a Medical Store Management System to digitally transform the operation of a medical store.

- Eliminate manual methods and paper work involved in medical store management.
- Automatically record and store medical store data.
- Evaluate the system in term of user acceptance, efficiency, quality, reliability, and productivity
- To facilitate the reporting of store stocks, drug information release recordings, and store sales.

## **HARDWARE / SOFTWARE Requirements**

### **❖ Hardware Requirement:**

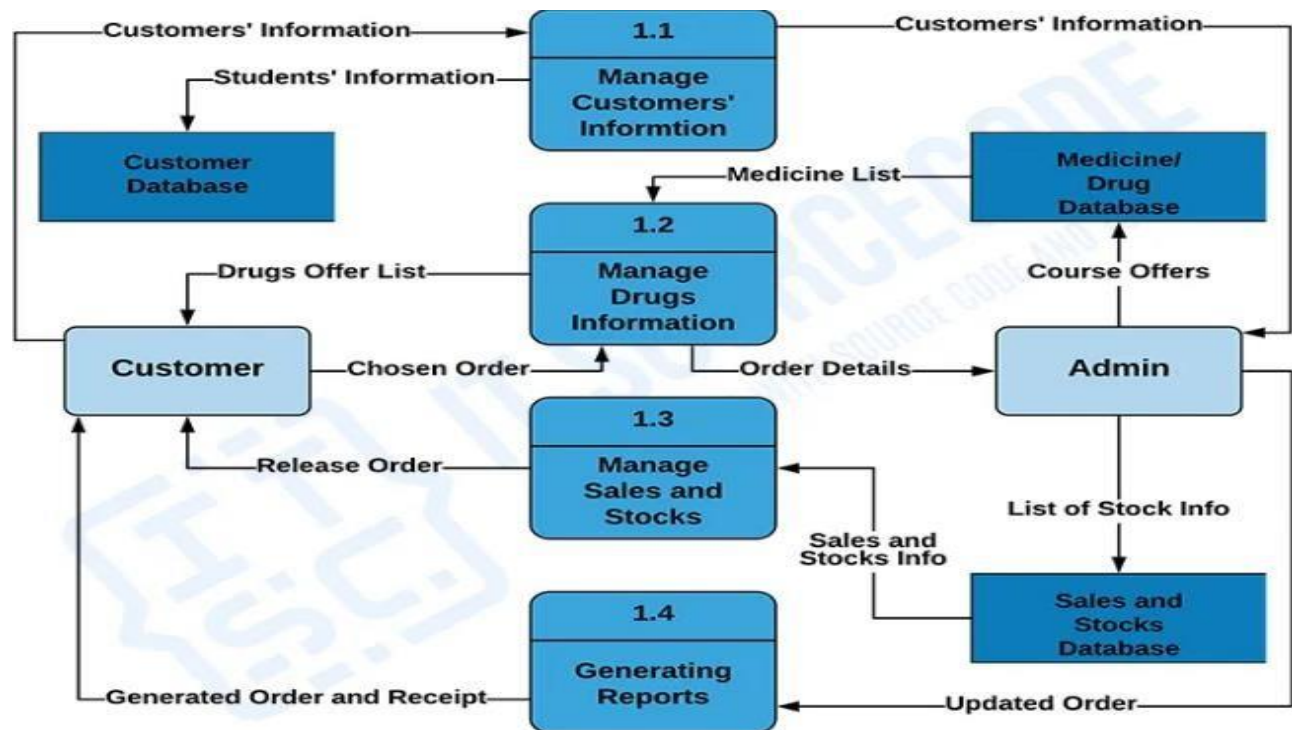
- RAM: 4GB or Higher
- Hard Drive: 50GB
- I3 Processor Based Computer or higher

### **❖ Software Requirement:**

- Google Chrome Browser or Other
- Operating System: Windows/Linux
- Database Server: MySQL

## METHODOLOGY

Pharmacy Management System is created or should be created to determine the flow of data inside a system. This pharmacy Management system will guide the programmer regarding what to do and handle in building the system. To give you more ideas about this Pharmacy Management System DFD.





**Functionality provided by online pharmacy management as follows:**

- Provides the searching facilities based on various factors, such as Pharmacy Stock, Company, Inventory.
- Pharmacy Management System also manage the Sells details online for company details, Pharmacy.
- It tracks all the information of Medicines, Sells, Company act.
- Manage the information of Medicines.
- Shows the information and description of the Pharmacy, Stocks.
- To increase efficiency of managing the Pharmacy, Medicines.
- It deals with monitoring the information and transactions of Company.
- Manage the information of Pharmacy.
- Editing, adding and updating of records is improved which results in proper resource management of Pharmacy data.
- Manage the information of a company.
- Integration of all Inventory.

## IMPLEMENTATION

The coding for this system is done using simple programming languages which include, JavaScript, bootstrap, PHP, sql, CSS, html and MySQL. The front end system is based on savory theme which I have incorporated to make it more appealing to the eye. The system has a front-end and back-end which is only accessible to an administrator. The backend pulls information from the database and display it for an administrator. The implementation and testing for this project is using xampp control panel and a browser.

For the Online Restaurant System I extensively made use of HTML, PHP, CSS, and sql. The reasons below illustrate the reasons for my choice of language

➤ HTML

Hyper Text Mark-up Language (HTML) is a type of mark-up language. It is used to make webpages. Webpages can include writing, links, pictures, and even sound and video. HTML tells web browsers what webpages should look like. HTML also adds Meta information to webpages. Meta information is information *about* about a webpage e.g., the name of the person who created the page. Web browsers usually do not show Meta information.

➤ PHP

PHP (Hypertext Pre-Processor) is a server-side web programming language that is widely used for web development. PHP is widely used for web development because PHP language has its roots in C and C++.PHP syntax is most similar to C and C++ Language syntax, so programmers find it easy to learn and manipulate.

➤ MySQL

Structured Query Language (SQL), which is a computer language for storing, manipulating, and retrieving data stored in relational database management systems (RDBMS). MySQL is an open-source Relational Database Management System that stores data in a structured format using rows and columns. The language is easy to use as compared to other programming language like C,

C++, Java, etc. By learning some basic commands we can work, create and interact with the Database.

## SCHEMA

tbl\_admin

<u>id</u>	full name	username	Password
-----------	-----------	----------	----------

tbl\_category

id	title	image-name	active
----	-------	------------	--------

tbl-order

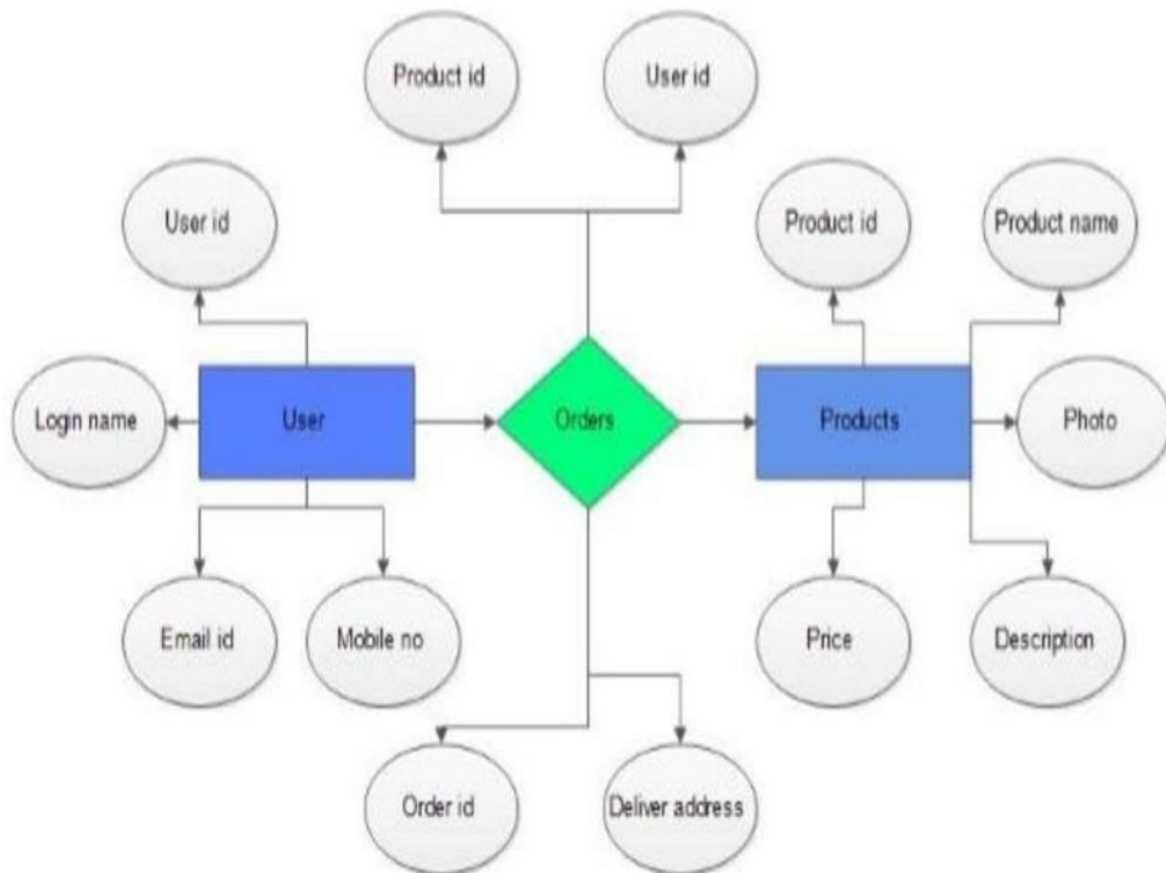
id	Item	Price	qty	total	orddate	status	Cnme	ccontact	cmail
----	------	-------	-----	-------	---------	--------	------	----------	-------

tbl-product

id	Item	Price	qty	image-name
----	------	-------	-----	------------

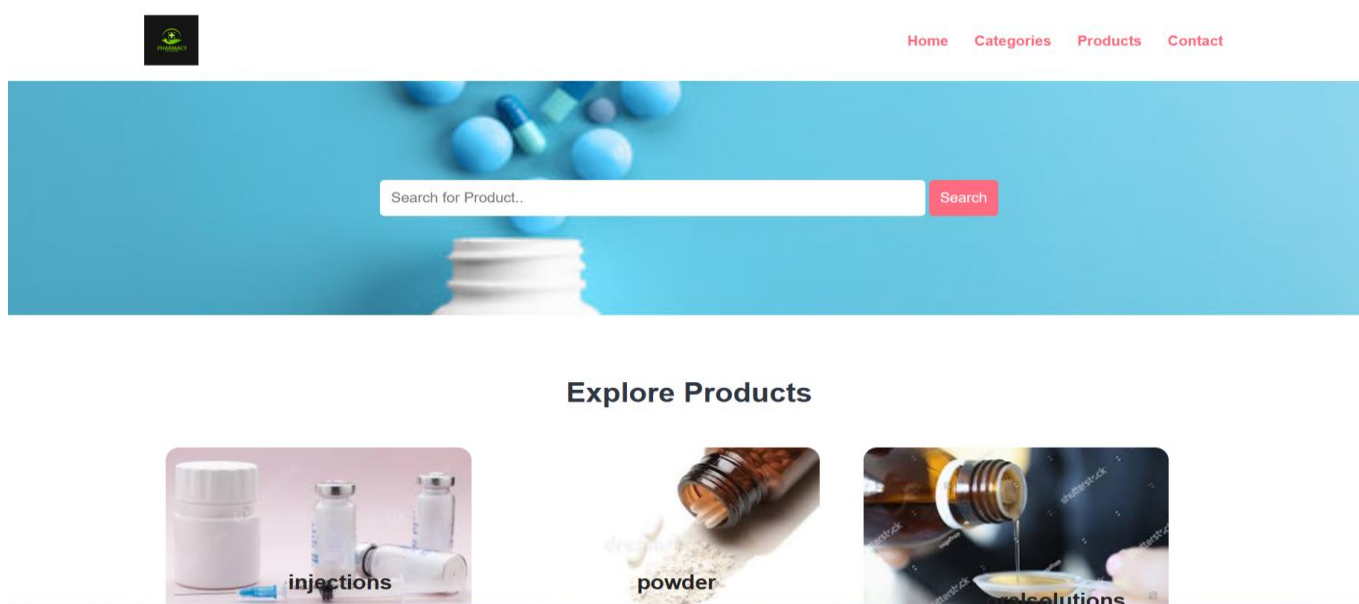
## ER DIAGRAM

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## RESULTS AND DISCUSSIONS

### User Page




### Product Menu

	<b>Epinephrine</b> \$25 Epinephrine <a href="#">Order Now</a>		<b>pain relief</b> \$30 pain relief <a href="#">Order Now</a>
	<b>Candid prickly</b> \$30 Candid prickly <a href="#">Order Now</a>		<b>Fixon</b> \$50 Fixon <a href="#">Order Now</a>
	<b>Nosramycin_Sprinkling-Powder</b> \$55 Nosramycin_Sprinkling-Powder <a href="#">Order Now</a>		

### Fill this form to confirm your order.

Selected Product

**Fixon**  
\$50  
Quantity

Delivery Details

**Full Name**

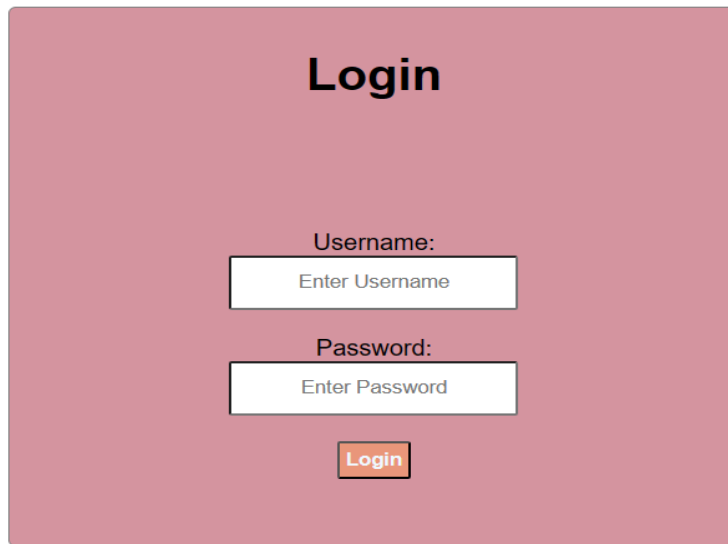
**Phone Number**

**Email**

**Address**

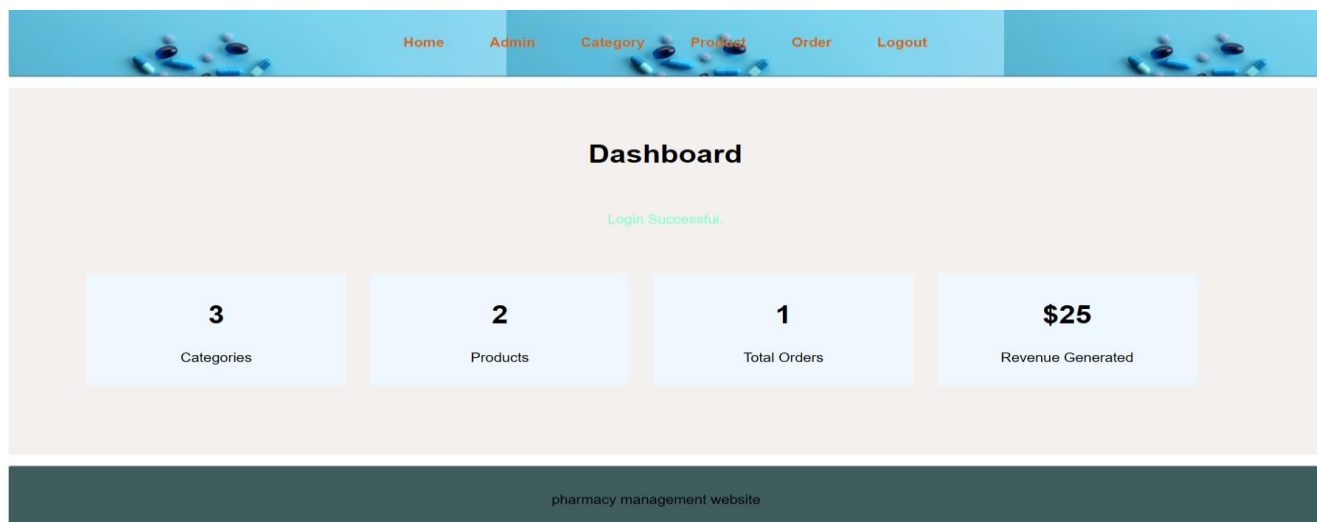
## Admin Page

This is login page where we enter the details such as user name and password, where password should be accurate.






The login form is centered on a pink background. It features the title "Login" in bold black text. Below the title, there are two input fields: "Username:" with a placeholder "Enter Username" and "Password:" with a placeholder "Enter Password". Both fields have a light gray border. Below the password field is a red "Login" button with white text.

In this contains dashboard where it contains revenue generated, categories, item, total orders.



The dashboard is displayed on a light beige background. At the top, there is a blue navigation bar with white text links: "Home", "Admin", "Category", "Product", "Order", and "Logout". The "Admin" link is highlighted. Below the navigation bar, the word "Dashboard" is centered in bold black text. A green message "Login Successful." is displayed below the title. The dashboard contains four light blue boxes with white text, each representing a different metric: "3 Categories", "2 Products", "1 Total Orders", and "\$25 Revenue Generated". At the bottom, there is a dark gray footer with the text "pharmacy management website".



[Home](#) [Admin](#) [Category](#) [Product](#) [Order](#) [Logout](#)

## Add Admin

Full Name:




Username:

Password:

[Add Admin](#)

pharmacy management website

This is manage admin where we can change password update admin delete admin created.



[Home](#) [Admin](#) [Category](#) [Product](#) [Order](#) [Logout](#)

## Manage Admin

[Add Admin](#)

S.N.	Full Name	Username	Actions
1.	navya	admin	<a href="#">Change Password</a> <a href="#">Update Admin</a> <a href="#">Delete Admin</a>

pharmacy management website



In this page add and manage category details

HomeAdminCategoryProductOrderLogout

## Add Category

Title:




Select Image:  injections.jpg

Active: ☒ Yes ☐ No

pharmacy management website

## Manage Category

Category Added Successfully.

S.N.	Title	Image	Active	Actions
1.	injections		Yes	<input type="button" value="Update Category"/> <input type="button" value="Delete Category"/>
2.	powder		Yes	<input type="button" value="Update Category"/> <input type="button" value="Delete Category"/>
3.	oralsolutions		Yes	<input type="button" value="Update Category"/> <input type="button" value="Delete Category"/>

In this page add and manage product details

HomeAdminCategoryProductOrderLogout

### Add Product

Title:

Description: 

Candid prickly

Price:

Select Image: 

Choose FileCandid prickly.jpg

Category: 

powder

Active: 



☒ Yes ☐ No

Add Product

HomeAdminCategoryProductOrderLogout

### Manage Product

Add Product

S.N.	Title	Price	Image	Active	Actions
1.	Epinephrine	\$25		Yes	<div>Update ProductDelete Product</div>
2.	pain relif	\$30		Yes	<div>Update ProductDelete Product</div>

In this page manage order details

[Home](#)[Admin](#)[Category](#)[Product](#)[Order](#)[Logout](#)

## Manage Order

S.N.	Product	Price	Qty.	Total	Order Date	Status	Customer Name	Contact	Email	Address	Actions
1.	Epinephrine	25	1	25	2023-07-30 06:10:13	Delivered	abc	4455667799	admin@gmail.com	nitte	<a href="#">Update Order</a>

pharmacy management website

## Update Order

Product Name **Epinephrine**

Price **\$ 25**

Qty

Status

Customer Name:

Customer Contact:

Customer Email:

Customer Address:

[Update Order](#)

## **CONCLUSION AND FUTURE SCOPE**

In conclusion, the new computerized system which handles, the verification of an authorized user into the pharmacy, the security to the database of the pharmacy management system and the purchase of drugs has achieved 85% of its' Objectives as stated in chapter one of this research report. This new proposed system would ensure data authenticity and validations.

Currently this site works as a multi user interface. The future scope of the project would be to have multiple user working with the site. We would also add more features on this site.

## REFERENCES

- 1) <https://www.youtube.com/>
- 2) <https://www.google.com/>
- 3) <https://www.w3schools.com/>

