

FAMILY DRUG MART

Submitted in partial fulfillment of the requirements for the award of
Bachelor of Engineering degree in Computer Science and Engineering

By

CHINTA MANOJKUMARREDDY(40110268)
SWARNA THARUNSAI(40111305)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
SCHOOL OF COMPUTING

SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Accredited with Grade “A++” by NAAC
JEPPIAAR NAGAR, RAJIV GANDHI SALAI, CHENNAI - 600119

APRIL - 2024

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

BONAFIDE CERTIFICATE

This is to certify that this Project Report is the bonafide work of **CHINTA MANOJ KUMAR REDDY (40110268)** and **SWARNA THARUN SAI (40111305)** who carried out the Project entitled "**FAMILY DRUG MART**" under my supervision from November 2023 to April 2024.

Internal Guide

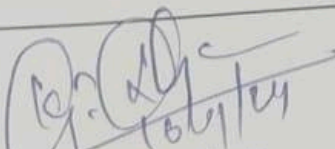
Dr. R. M. Gomathi, M. Tech., Ph.D.

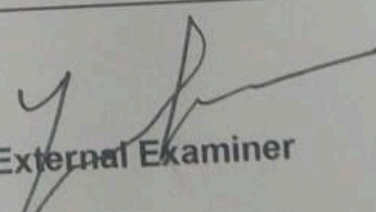
R. M. Gomathi
15/04/24

Head of the Department

Dr. **AKSHMANAN, M.A. Ph.D.**
SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)
Jeyaraj Salai, Rajiv Gandhi Salai,
Chennai - 600 119

Submitted for Viva voce Examination held on 16/04/2024


Internal Examiner


External Examiner

DECLARATION

I, **SWARNA THARUN SAI** hereby declare that the Project Report entitled "**Family Drug Mart**" done by me under the guidance of **Dr. R. M. Gomathi, M. Tech., Ph.D.** is submitted in partial fulfillment of the requirements for the award of Bachelor of Engineering degree in **Computer Science and Engineering**.

DATE: 16/4/2024

PLACE: CHENNAI

S. Tharun Sai

SIGNATURE OF THE CANDIDATE

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I wish to express my thanks to all Teaching and Non-teaching staff members of the **Department of Computer Science and Engineering** who were helpful in many ways for the completion of the project.

ABSTRACT

Family Drug Mart is a comprehensive Pharmacy Management System developed using PHP, JavaScript, Bootstrap, and CSS. The project aims to provide an efficient and user-friendly solution for managing pharmacy operations in a family-oriented drugstore setting, catering to both the admin side and client-side usage. The admin side module of the pharmacy management system serves as the backbone for the efficient operation and control of the pharmacy business. It encompasses a wide range of features and functionalities designed specifically for the administrative tasks and responsibilities of pharmacy owners or administrators. The admin side module of the pharmacy management system is a centralized hub that empowers pharmacy owners to efficiently manage their business operations. It provides features for customer management, inventory control, supplier management, and sales/purchase tracking. Through this module, pharmacy owners can maintain customer records, manage medicine inventory, handle supplier interactions, and track sales and purchases. It acts as a user-friendly interface, enabling easy navigation and access to various administrative functions. Overall, the admin side module ensures smooth operations and effective control of the pharmacy business. On the client side of the pharmacy management system, customers have the convenience of viewing the available medicines along with their respective generic names. They can easily navigate through the website and explore the range of medicines offered by the pharmacy. To place an order, customers can submit a form specifying the medicine's name and the quantity required. Once submitted, this information is transmitted to the admin of the system for further processing. The admin can promptly view the requests raised by the customers, which include the medicine names and the quantities desired. This streamlined process allows customers to conveniently request the medicines they need, while providing the admin with a clear overview of customer demands. With access to these requests, the admin can efficiently manage inventory and prioritize the preparation of medicines. This ensures that customers' orders are promptly fulfilled, saving their valuable time and providing a seamless experience.

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CHAPTER 1

INTRODUCTION

Family Drug Mart is a robust Pharmacy Management System developed to facilitate efficient and streamlined operations in a family-oriented drugstore. The project utilizes PHP, JavaScript, Bootstrap, and CSS to create a user-friendly and intuitive system for both administrators and clients.

The system consists of an admin side section that empowers pharmacy owners with the ability to perform vital tasks such as adding, editing, and deleting customer records, ensuring personalized interactions and superior customer service. It also provides features for managing medicine inventory, enabling accurate tracking of stock levels, and facilitating timely restocking to meet customer demands effectively.

Supplier management is a crucial aspect of pharmacy operations, and Family Drug Mart incorporates features that enhance communication and coordination with suppliers. Pharmacy owners can manage supplier information, and maintain strong relationships, ensuring a smooth and reliable procurement process.

Sales and purchase tracking is made seamless through the system, enabling the generation of invoices and maintaining transaction records. By capturing detailed sales and purchase data, pharmacy owners can analyze trends, monitor profitability, and make informed decisions for future growth.

Family Drug Mart also includes a client-side interface, empowering customers to conveniently browse

available medicines, check prices, and raising an order. The client-side viewing feature and admin visibility of customer requests reflect a customer-centric approach. By understanding customer preferences and fulfilling their needs promptly, the pharmacy strengthens its reputation as a reliable and customer-focused establishment.

1.2. OVERVIEW OF PROJECT

Family Drug Mart is a Pharmacy Management System designed to streamline operations in a family- oriented drugstore setting. The project incorporates PHP, JavaScript, Bootstrap, and CSS to create a user- friendly system for administrators and clients.

Main Features:

1. Admin Side: Allows pharmacy owners to manage customers, medicines, suppliers, sales, and purchases efficiently.
2. Client Side: Provides clients with a user-friendly interface to browse medicines, check prices, and raising an orders.
3. Customer Management: Enables adding, editing, and deleting customer records for personalized service.
4. Medicine Inventory Control: Facilitates accurate tracking of stock levels and timely restocking.
5. Supplier Management: Enhances communication and coordination with suppliers for a reliable supply chain.
6. Sales and Purchase Tracking: Generates invoices and maintains transaction records for financial analysis.
7. Reporting: Provides informative reports on sales trends, popular medicines, supplier performance, and profitability.

1.3. CHALLENGES FACED DURING THIS PROJECT

The development of the Family Drug Mart project presented the following challenges:

1. **Technical Complexity:** Dealing with the technical complexity of integrating multiple technologies, such as PHP, JavaScript, Bootstrap, and CSS, can pose challenges. Ensuring compatibility, handling dependencies, and managing code complexity require expertise and careful planning.
2. **Requirement Gathering:** Gathering and understanding the specific requirements of the family-oriented drugstore setting, including customer management, inventory control, and supplier management, required careful analysis and communication.
3. **System Scalability:** Designing a scalable system that can handle a growing customer base, increasing inventory, and expanding operations was a challenge. Ensuring the system's performance and responsiveness as the data volume increased required careful optimization.
4. **Data Management:** Managing and organizing a large amount of data, including customer information,
5. **medicine inventory, and transaction records, presented a challenge. Designing an efficient database structure and implementing robust data handling mechanisms were crucial for maintaining data integrity and system performance.**
6. **Time and Resource Management:** Managing project timelines, coordinating team members, and allocating resources effectively can be challenging. Balancing priorities, addressing unexpected delays, and maintaining project momentum require careful project management.

1.4. *PROJECT STATEMENT*

The pharmacy management project is designed to provide an efficient and user-friendly solution for pharmacy owners. With a focus on the admin side module, it enables seamless management of customers, medicines, suppliers, sales, and purchases. The admin side module acts as a centralized hub, empowering owners to handle essential tasks such as customer management, inventory control, supplier management, and sales/purchase tracking. Through this module, pharmacy owners can streamline operations, enhance productivity, and deliver exceptional services to their customers.

1.5. *OBJECTIVES*

The objectives of our Family Drug Mart project are:

1. Streamline operations for efficient pharmacy management.
2. Optimize medicine inventory control for better stock management.
3. Enhance supplier management and strengthen the supply chain.
4. Enable accurate tracking of sales and purchases.
5. Generate informative reports for data-driven decision-making.
6. Enhance overall efficiency by automating tasks and reducing manual efforts.

1.6. SCOPE OF THE PROJECT

The scope of the Family Drug Mart project includes the development of a comprehensive Pharmacy Management System for drugstores. It covers functionalities such as customer management, medicine inventory control, supplier management, sales/purchase tracking, and reporting. The system aims to streamline operations, enhance customer service, and provide data insights for informed decision-making. It will have an admin side for managing various aspects of the pharmacy business and a client side for convenient browsing and ordering by customers. The project will follow a systematic approach, ensuring a user-friendly interface and scalability to accommodate future growth.

The project's scope also encompasses providing user training and support to facilitate smooth adoption of the system. With a focus on addressing the unique needs of drugstores, the project aims to revolutionize their management processes, improve efficiency, and contribute to overall business success.

CHAPTER 2

This Chapter describes the proposed system and working methodology.

2.1. PROPOSED SYSTEM

Below diagram explains the overview of the project. The detail explanation of each module is provided in methodology.

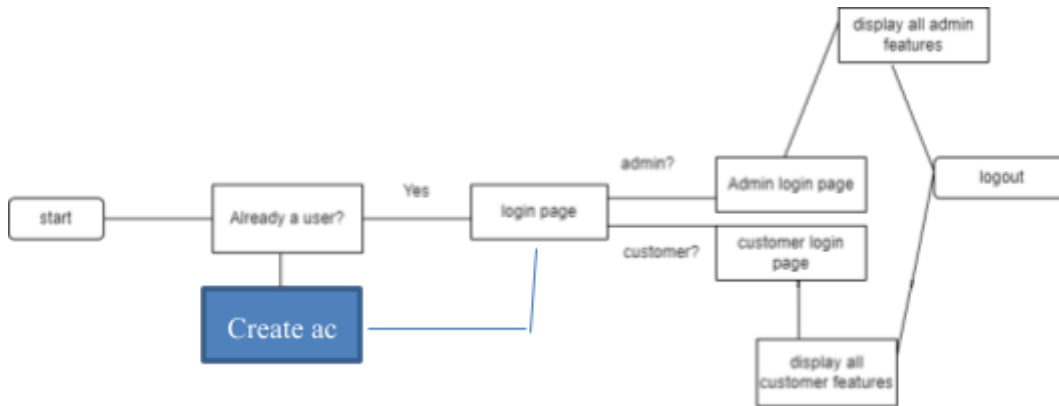


Fig 2.1 PCreation of an Account

2.2. WORKING OF PROJECT

I have divided the project into few individual modules in order to explain clearly about each and every module. The flow of the project and the names of modules are:

➤ *Admin module*

- View Dashboard
- See all Customers, add customer, Edit customer, Delete customer
- View all Medicines, add medicines, Edit medicines, Delete medicines
- See all Suppliers, Add Suppliers, Edit Suppliers, Delete Suppliers
- View all Sales, Add Sale, Edit Sale, Delete Sale
- See all Purchases, Add Purchase, Edit Purchase, Delete Purchase
- Printing of Sales and purchase reports

➤ ***Client module***

- View all available Medicines, Generic Name and their respective prices.
- Raising an order of the medicines based upon their requirements.

Login Page for Client and Admin:

Welcome to the login page of the Family Drug Mart Pharmacy Management System. Please enter your credentials to access your account and manage the various functionalities of the system. The login page ensures secure access and protects your confidential information.

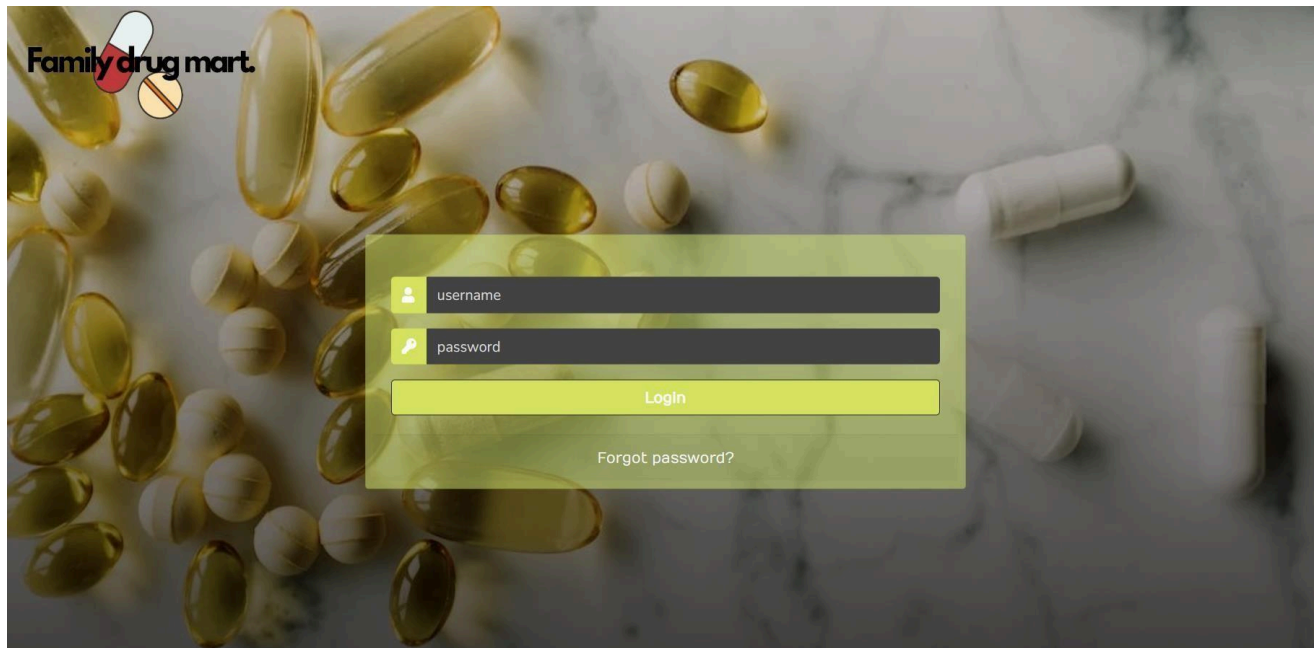


Fig 2.2 Login Page for Client and Admin:

Forgot your password? Click here to reset.

If you don't have an account, please contact the system administrator to register and obtain login credentials.

Module – 1: Admin

1. View Dashboard: Provides an overview of important metrics, statistics, and key performance indicators to help administrators monitor the overall performance of the pharmacy.

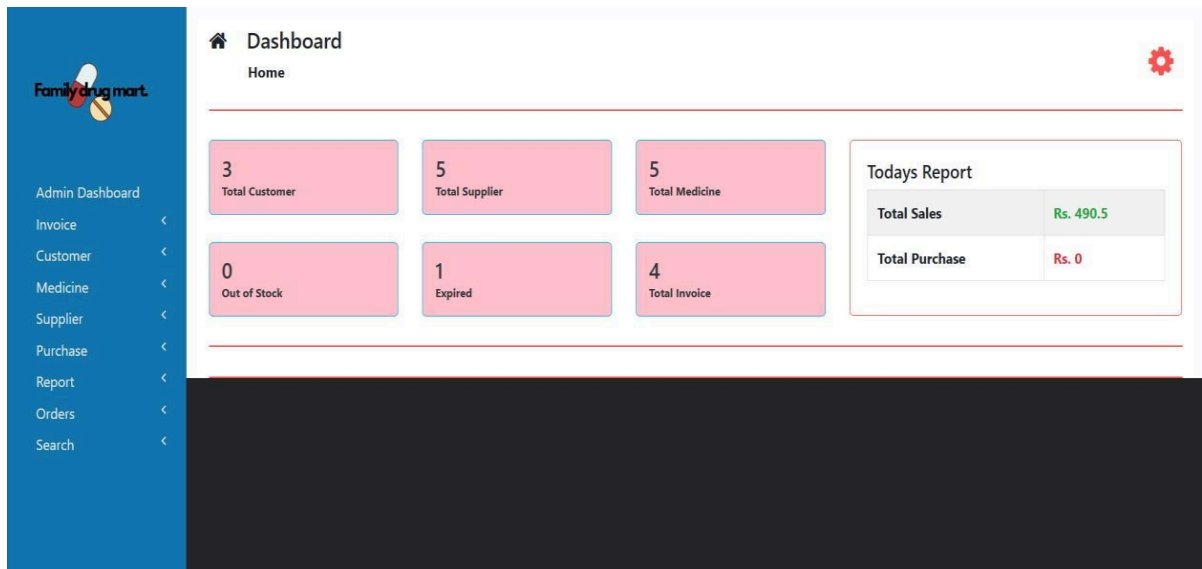


Fig 2.3 Dashboard of Admin Module

2. Customers:

- See all Customers: Displays a list of all customers, allowing administrators to view their information.
- Add customer: Enables administrators to add new customer records to the system.
- Edit customer: Allows administrators to modify customer details, such as contact information or address or phone number.
- Delete customer: Provides the option to remove customer records from the system.

- Admin Dashboard
- Invoice
- Customer
 - Add Customer
 - Manage Customer
- Medicine
- Supplier
- Purchase
- Report
- Orders
- Search

Manage Customer

Manage Existing Customer

Search :

SL.	Customer ID	Customer Name	Contact Number	Address	Doctor's Name	Doctor's Address	Action
1	6	Aditya	7365687269	Electronic City, Bangalore	Dr Aparna	No 126 KHB Colony 05th Block Koramangala Bangalore	
2	11	Shivam Tiwari	6862369896	Convention Centre, Nagawara	Dr Kapoor	Unit No7 Building No 6 Skywardstech Park Survey No 47/11 Doddathoguru Village	
3	13	Varsha Suthar	7622369694	Opp To Forum Mall Koramangala	Dr Ramesh	No 78 5th Cross Umar Nagr Near Gulshan E Baghdad Masjid Govindaprya Mail	

Fig 2.4 Managing the customers.

- Admin Dashboard
- Invoice
- Customer
 - Add Customer
 - Manage Customer
- Medicine
- Supplier
- Purchase
- Report
- Orders
- Search

Add Customer

Add New Customer

Customer Name :

Contact Number :

Address :

Doctor's Name :

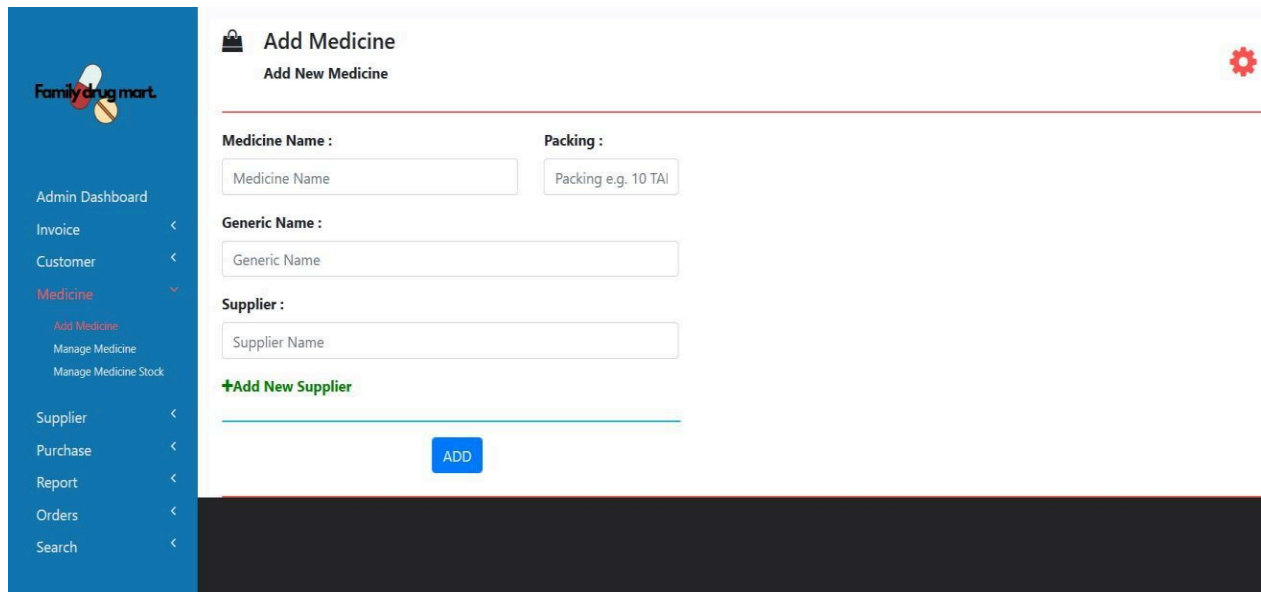
Doctor's Address :

Fig 2.5 Adding the new customers.

3. Medicines:

- Add medicines: The admin can add new medicines to the inventory through this module. They can input the necessary details such as medicine name, generic name, quantity, and

supplier information. This feature facilitates the efficient addition of new medicines to the system.



The screenshot shows the 'Add Medicine' interface of the 'Family drug mart' system. On the left is a blue sidebar with a logo and a menu containing 'Admin Dashboard', 'Invoice', 'Customer', 'Medicine' (highlighted), 'Supplier', 'Purchase', 'Report', 'Orders', and 'Search'. The 'Medicine' section is expanded, showing 'Add Medicine', 'Manage Medicine', and 'Manage Medicine Stock'. The main content area is titled 'Add Medicine' with a subtitle 'Add New Medicine' and a red gear icon. It contains four input fields: 'Medicine Name' (with placeholder 'Medicine Name'), 'Packing' (with placeholder 'Packing e.g. 10 TAI'), 'Generic Name' (with placeholder 'Generic Name'), and 'Supplier' (with placeholder 'Supplier Name'). Below these fields is a green '+Add New Supplier' link and a blue 'ADD' button.

Fig 2.6 Adding new medicines to the system.

-Delete medicines:

Provides the option to remove medicines from the inventory.

Access the admin dashboard and navigate to the medicines management section.

Displays a list of existing medicines with an option to delete.

Implement a confirmation prompt to ensure the admin's intention to delete.

Upon confirmation, remove the selected medicine from the database and update the inventory accordingly.

Displays a success message to confirm the deletion of the medicine.



- Admin Dashboard
- Invoice
- Customer
- Medicine
- Supplier
- Purchase
- Report
- Orders
- Search

Manage Medicines

Manage Existing Medicine

Search :

SL.	Medicine Name	Packing	Generic Name	Supplier	Action
1	Ventolin	100 TAB	Albuterol	GENETECH PHARMA	
2	Zantac	120 TAB	Ranitidine	ABBVIE PHARMA	
3	Dolo 650	150 TAB	Paracetamole	ASTRA ZENECA	
4	Pepcid	250 TAB	Famotidine	BDPL PHARMA	
5	Gelusil	140 TAB	Mint Fla	VERTEX PHARMA	

Fig 2.7 Managing medicines.

-Medicine Stock Management:

The module tracks the quantity of each medicine in stock. It provides real-time updates on the available quantity, allowing the admin to monitor stock levels and take necessary actions such as reordering or restocking.



- Admin Dashboard
- Invoice
- Customer
- Medicine
- Supplier
- Purchase
- Report
- Orders
- Search

Manage Medicines Stock

Manage Existing Medicine Stock

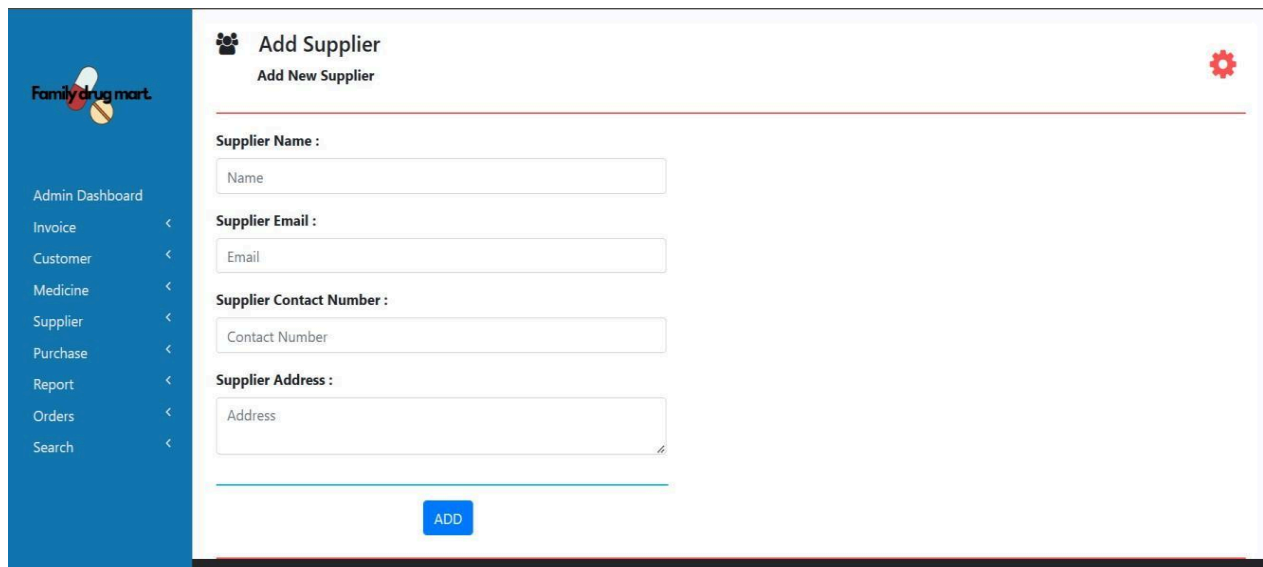
Search : Out of Stock Expired

SL.	Medicine Name	Packing	Generic Name	Batch ID	Ex. Date (mm/yy)	Supplier	Qty.	M.R.P.	Rate	Action
1	Dolo 650	150 TAB	Paracetamole	DOLO327	08/23	ASTRA ZENECA	140	17	14	
2	Gelusil	140 TAB	Mint Fla	GEL 327	12/42	VERTEX PHARMA	85	19	13	

Fig 2.8 Medicine stock management

4. Suppliers:

- See all Suppliers: Displays a list of all suppliers, showing their contact information and performance details.
- Add Suppliers: The admin can add new suppliers to the system through this module. They can input details such as supplier name, contact person, phone number, email address, and other relevant information. This feature facilitates easy addition of new suppliers to the database.



The screenshot shows the 'Add Supplier' form in the Family Drug Mart admin dashboard. The dashboard has a blue sidebar with the following menu items: Admin Dashboard, Invoice, Customer, Medicine, Supplier, Purchase, Report, Orders, and Search. The main content area is titled 'Add Supplier' and 'Add New Supplier'. It contains four input fields: 'Supplier Name' (with a placeholder 'Name'), 'Supplier Email' (with a placeholder 'Email'), 'Supplier Contact Number' (with a placeholder 'Contact Number'), and 'Supplier Address' (with a placeholder 'Address'). A blue 'ADD' button is located at the bottom of the form. A red gear icon is visible in the top right corner of the main content area.

Fig 2.9 Adding suppliers to database

- Edit Suppliers: The module allows the admin to edit existing supplier details. They can modify information such as contact details, address, email of the suppliers. This feature helps keep supplier information up to date.
- Delete Suppliers: If a supplier is no longer associated with the pharmacy, the admin can delete their record from the database using this feature. Removing outdated or inactive suppliers ensures accurate supplier management.



Admin Dashboard
Invoice
Customer
Medicine
Supplier
Purchase
Report
Orders
Search


Manage Supplier
Manage Existing Supplier



Search :

SL	ID	Name	Email	Contact Number	Address	Action
1	30	GENETECH PHARMA	genetchpharma@gmail.com	9324516547	No 2, S V K Complex, Ganigarpet, Bangalore	 
2	31	ABBVIE PHARMA	abbviepharma@gmail.com	8767893241	305, Jumma Masjid Road, O P H Road, Bangalore	 
3	32	ASTRA ZENECA	astrazeneca@gmail.com	7689041235	3 A, Laxmi Ratan Bldg, T H Kataria Marg, Op Karnataka Sangha Hall, Matunga (west)	 
4	33	VERTEX PHARMA	vertexpharma@gmail.com	8790765431	Rd Flr, Worli Naka, Ready Money Tarrace, Dr A .b Road, Worli, Karnataka	 
5	34	BDPL PHARMA	bdplpharma@gmail.com	7694356781	No.15, Jaganathan Street, Jayanagar	 

Fig 2.10 Managing the suppliers information

5. Invoice:

- New Invoice: This feature allows administrators to generate new invoices for sales transactions. Administrators can input details such as customer information, items sold, quantities, and prices. The new invoice feature ensures accurate documentation of sales transactions and provides a professional invoice for customers.

New Invoice
Create New Invoice

Customer Name : Address : Invoice Number : Payment Type : Date :

Contact Number :

Medicine Name	Batch ID	Ava.Qty.	Expiry	Quantity	MRP	Discount(%)	Total	Action
Select Medicine				0		0		+ X

Total Amount: Total Discount: Net Total:

Paid Amount: Change:

Fig 2.11 Generating the new invoice.

- **Manage Invoice:** This allows users to search and filter invoices based on various criteria, such as date, customer name, invoice number. This feature facilitates quick and easy access to specific invoices for reference or analysis and also the admin can edit existing invoices to make changes or corrections if necessary. This feature is useful in cases where there are errors or updates needed in the invoice details.

Manage Invoice
Manage Existing Invoice

Search :

SL	Invoice No	Customer Name	Date	Total Amount	Total Discount	Net Total	Action
1	4	Varsha Suthar	2023-05-26	170	17	153	🔍 🗑️
2	5	Varsha Suthar	2023-05-26	95	9.5	85.5	🔍 🗑️
3	6	Shivam Tiwari	2023-05-26	190	19	171	🔍 🗑️

Fig 2.12 Managing the invoices

6. Purchases:

- The purchasing of medicines from suppliers is a crucial aspect of managing a pharmacy. It involves the procurement of medicines from external suppliers to maintain an adequate stock level and meet the demands of customers.
- Add Purchase: Allows administrators to create new purchase records, details such as medicine name, batch ID, quantity, price of the item, date of the purchase, and payment type. This information is recorded to update the inventory, track expenses, and manage supplier transactions effectively.

The screenshot shows the 'Add Purchase' interface. On the left is a blue sidebar with the 'Family drug mart.' logo and a menu: Admin Dashboard, Invoice, Customer, Medicine, Supplier, Purchase, Report, Orders, and Search. The main content area is titled 'Add Purchase' with a sub-header 'Add New Purchase'. It contains four input fields: 'Supplier :' (with a 'Supplier Name' placeholder), 'Invoice Number :' (with an 'Invoice Number' placeholder), 'Payment Type :' (a dropdown menu showing 'Cash Payment'), and 'Date :' (a date picker showing '26-05-2023'). Below these is a green '+ Add New Supplier' button. A table follows with columns: Medicine Name, Packing, Batch ID, Ex. Date (mm/yy), Quantity, MRP, Rate, Amount, and Action. The 'Quantity' column has a value of '0'. The 'Action' column has '+' and '-' icons. Below the table is a section for 'If new medicine, generic name :' with a 'Generic Name' input field. At the bottom right is a 'Grand Total :' field, and at the bottom center is a blue 'ADD' button.

Fig 2.13 Adding purchasing data from suppliers

- Edit Purchase: Enables modifications to existing purchase records, such as updating quantities, changing prices, editing batch IDs, or adjusting payment types
- Delete Purchase: When necessary, the admin can delete a purchase record from the system. This action removes the purchase details, including medicine name, batch ID, quantity, price, and payment information. Deleting a purchase helps maintain accurate and up-to-date records, ensuring

that only relevant and valid purchase information is retained in the database. It also supports data integrity and allows for proper financial reporting and analysis.

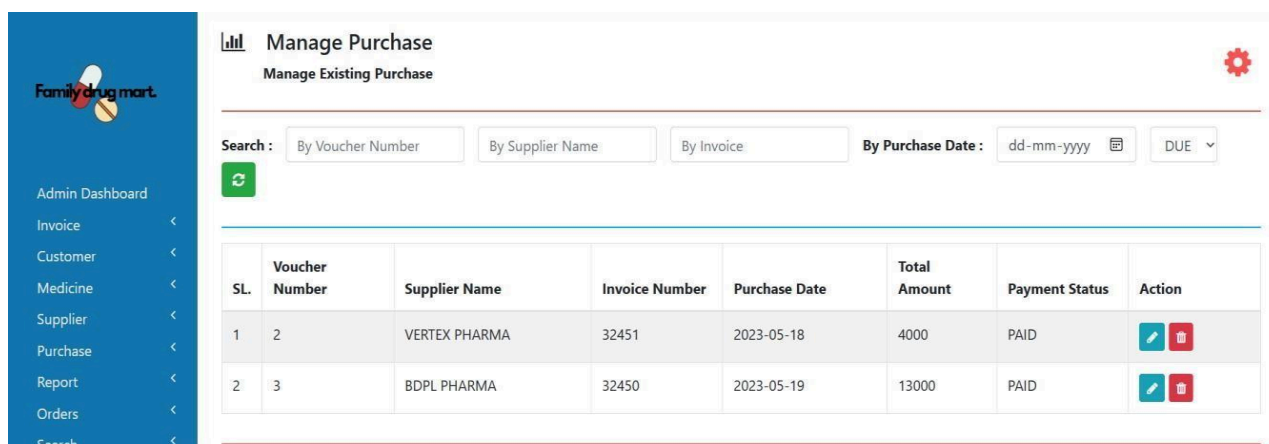


Fig 2.14 Managing the purchases.

7. Sales and Purchase Reports:

Sales Report:

The medicine sales report provides a comprehensive overview of a customer's purchase history. It includes details such as the dates of purchase, and corresponding prices and the customer names who had purchased.

The sales report printing option provides a convenient way to generate and obtain a physical copy of the sales report for a specific month or selected dates. This feature allows the pharmacy to have a tangible document that summarizes the financial revenue for a given period. By printing the sales report, the pharmacy staff and management can visually analyze the sales performance, identify trends, evaluate revenue growth, and make informed business decisions based on the financial data. This printed report serves as a valuable tool for better understanding the pharmacy's financial position and assessing its overall performance.

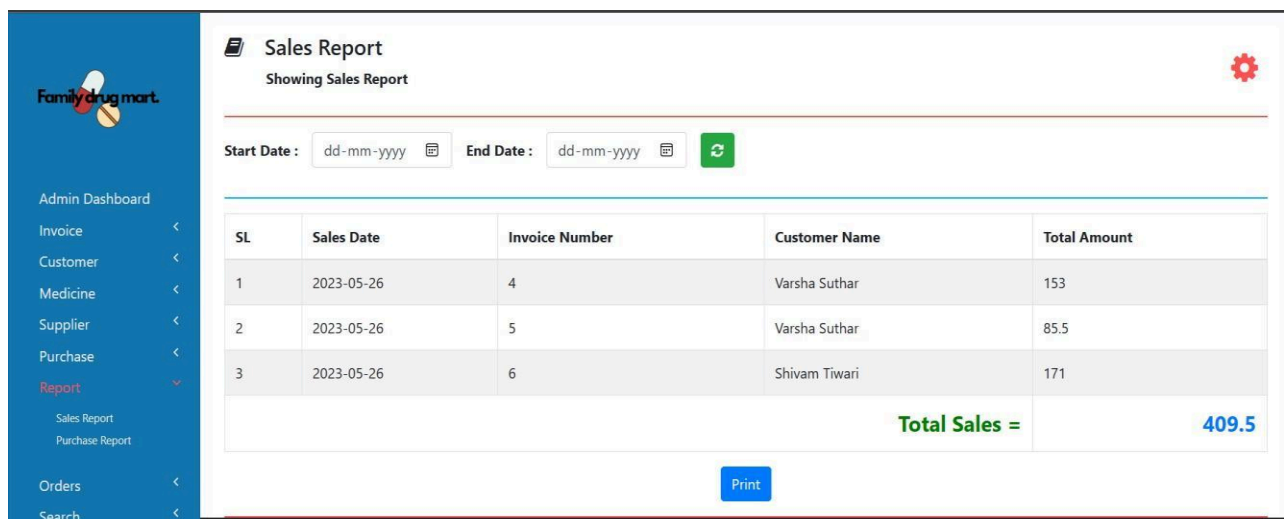


Fig 2.15 Printing of sales report.

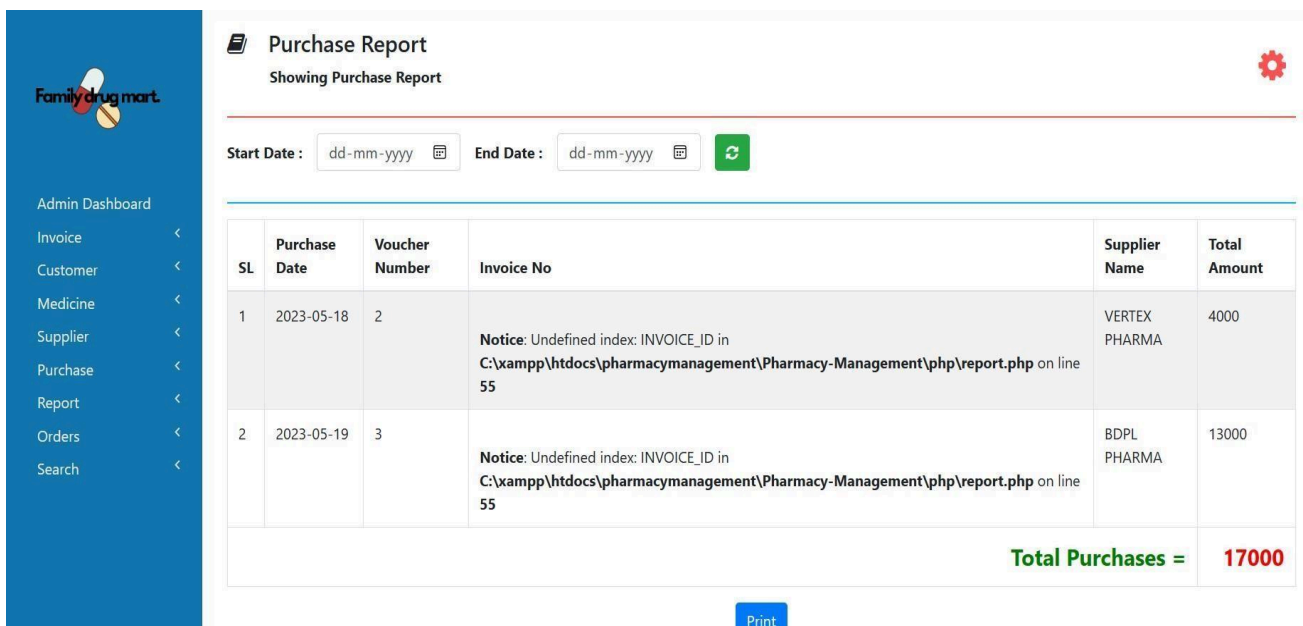


Fig 2.16 Printing of purchase report.

Purchase Report:

The purchase report of suppliers presents a comprehensive summary of purchases made from different suppliers. It includes details such as the purchase date, supplier name, and corresponding prices. This report allows the pharmacy to analyze the purchasing patterns from various suppliers, assess expenditure, and evaluate. By printing a purchase report for specific dates, the pharmacy gains better visibility into its expenses related to medicine procurement. It helps analyze the overall expenditure on medicines and assess cost-saving opportunities.

Orders:

By accessing the orders section in the admin dashboard, the admin can easily identify the medicines requested by each customer and the corresponding quantities. This allows for efficient inventory management and ensures that the required medicines are prepared and ready for pickup or delivery. By having a clear overview of customer orders, the admin can prioritize their tasks and ensure timely fulfillment of the orders, providing a seamless and responsive service to the customers.

Orders received

Medicine Name	Quantity
crocine	30
paracetamol	40
combiflam	50

Fig 2.17 Customer Orders

Module – 2: Client module

View all available Medicines and prices:

The client-side viewing feature allows customers to access and browse the available medicines in the store. They can check the stock availability and view relevant details such as the generic names of the medicines and their respective prices. This feature provides transparency and convenience to customers, enabling them to make informed decisions about their medication needs. By having access to the medicine inventory and prices, customers can easily identify the medicines they require and compare prices, promoting a seamless and satisfactory shopping experience.

Available medicines			
Search :	By Medicine Name	By Generic Name	Out of Stock Expired
SL.	Medicine Name	Generic Name	M.R.P.
1	Crosin	CROS12	2626
2	Gelusil	GEL 327	19
3	Dolo 650	DOLO327	17
4	Nicip Plus	NI325	32.65

Fig 2.18 Display of available medicines in the store

2. Submitting of a Form:

This functionality allows the administration of the pharmacy to promptly respond to customer requests and ensure a seamless ordering process. Upon receiving the customer's request, the admin can quickly check the stock availability to see if the required medicine is currently in stock. If the medicine is available, the admin can proceed with preparing the order instantly, saving the customer's valuable time.

However, in cases where the requested medicine is not available in the pharmacy's current stock, the admin takes proactive steps to fulfill the customer's needs. The admin can promptly check

with the suppliers to procure the medicine as soon as possible. This ensures that the pharmacy can meet the customer's requirements efficiently and avoid any delays in providing the requested medication.

By enabling the admin to see the requests raised by customers, the pharmacy administration can proactively manage inventory and promptly respond to customer demands. This feature not only saves the customer's valuable time but also enhances customer satisfaction by ensuring the availability of desired medicines. It demonstrates the pharmacy's commitment to providing excellent customer service and maintaining a well-prepared stock of medicines.

Benefits: -

Customer Convenience

Efficient Order Preparation

Real-Time Stock Availability Check

Proactive Inventory Management

Improved Customer Satisfaction

Timely Procurement

Effective Stock Replenishment

Customer-Centric Approach

Form

Fig 2.18 Form Submission

CHAPTER 3

CONCLUSION AND FUTURE WORKS

Conclusion:

In conclusion, the Family Drug Mart project has successfully developed a comprehensive Pharmacy Management System to streamline operations and enhance efficiency in family-oriented drugstores. The project's main objective was to provide a user-friendly interface for administrators and clients, allowing seamless management of customers, medicines, suppliers, sales, and purchases. The system offers features such as a dashboard for quick insights, robust inventory control, detailed reporting, and convenient client- side browsing.

The implementation of the project has addressed the challenges faced during its development, ensuring a reliable and efficient system. The working methodology followed a systematic approach, including requirement analysis, system design, development, testing, and deployment. The project has provided a solution that meets the specific needs of family drugstores, offering a user-friendly interface, scalability, and ongoing support.

Future Work:

The future work of the project aims to enhance the client side of the website, making it more interactive and feature rich. The focus is on providing customers with an improved online experience, allowing them to conveniently order medicines from the comfort of their homes without visiting the family drug mart.

Some potential areas for development include:

1. **User-Friendly Interface:** Creating a user-friendly interface with intuitive navigation and responsive design, ensuring a seamless browsing experience for customers.

2. **Advanced Search and Filtering:** Implementing advanced search and filtering options, enabling customers to easily find specific medicines based on various criteria such as generic name, brand name, dosage, or medical condition.
3. **Online Ordering and Prescription Upload:** Developing a secure online ordering system that allows customers to add medicines to their cart, provide prescription details, and complete the purchase process online.
4. **Personalized Accounts:** Introducing personalized customer accounts where users can store their order history, manage prescriptions, and set medication reminders for better medication management.
5. **Medicine Information and Reviews:** Including comprehensive information about each medicine, including indications, side effects, dosage instructions, and customer reviews to aid customers in making informed decisions.
6. **Delivery Options and Tracking:** Integrating delivery options, enabling customers to choose home delivery or pickup from a nearby location. Implementing a tracking system to allow customers to monitor the status of their orders in real-time.
7. **Secure Payment Options:** Offering a variety of secure payment options, such as credit/debit cards, digital wallets, or cash on delivery, to provide customers with flexibility and peace of mind.
8. **Customer Support and Live Chat:** Implementing customer support features such as live chat or chatbot assistance to address customer inquiries, provide medication-related guidance, and resolve any issues promptly.

CHAPTER 4

APPENDIX (Sample Code)

Login Page:

```
<!DOCTYPE html>

<html lang="en" dir="ltr">

<head>

<meta charset="utf-8">

<title>Pharmacy Management - Login</title>

<link rel="stylesheet" href="bootstrap/css/bootstrap.min.css">

<script src="bootstrap/js/jquery.min.js"></script>

<script src="bootstrap/js/bootstrap.min.js"></script>

<link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css"
integrity="sha384-mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU"
crossorigin="anonymous">

<link rel="shortcut icon" href="images/icon.svg" type="image/x-icon">

<link rel="stylesheet" href="css/index.css">

<script src="js/index.js"></script>

<script src="js/validateForm.js"></script>

<script> var xhttp = new XMLHttpRequest();
xhttp.onreadystatechange = function() {
if(xhttp.readyState == 4 && xhttp.status ==
200) xhttp.responseText;
}; xhttp.open("GET", "php/db_connection.php?action=is_logged_in",
false); xhttp.send();
```

```

        //alert(xhttp.responseText);
    if(xhttp.responseText == "")
        window.location.href = "http://localhost/Pharmacy-Management/index.html";
    if(xhttp.responseText == "true")
        window.location.href = "http://localhost/Pharmacy-Management/home.php";

</script>
</head>
<body>
    <div class="container">

        <div id="login-form" class="card m-auto p-2">
            <div class="card-body">
                <form    name="login-form"    class="login-form"    action="home.php"    method="post"
                onsubmit="return validateCredentials();">
                    <div class="logo">
                        
                        <h1    class="logo-caption"><span    class="tweak">L</span>ogin</h1>
                    </div> <!-- logo class -->
                    <div class="input-group form-group">
                        <div class="input-group-prepend">
                            <span class="input-group-text"><i class="fas fa-user text-white"></i></span>
                        </div>
                        <input    name="username"    type="text"    class="form-control"    placeholder="username"
                        onkeyup="validate();" required>
                    </div> <!--input-group class -->
                    <div class="input-group form-group">

```

```

        <div class="input-group-prepend">
            <span class="input-group-text"><i class="fas fa-key text-white"></i></span>
        </div>

        <input      name="password"      type="password"      class="form-control"
placeholder="password"
onkeyup="validate();" required>

        </div> <!-- input-group class -->

        <div class="form-group">

            <button class="btn btn-default btn-block btn-custom">Login</button>
        </div>

        </form><!-- form close -->

    </div> <!-- cord-body class -->

    <div class="card-footer">

        <div class="text-center">

            <a class="text-light" onclick="displayForgotPasswordForm();" style="cursor: pointer;">Forgot
password?</a>

        </div>

    </div> <!-- cord-footer class -->

</div> <!-- card class -->

<div id="forgot-password-form" class="card m-auto p-2" style="display: none;">

    <div class="card-body">

        <div name="login-form" class="login-form">

            <div class="logo">

                <h1      class="logo-caption"><span class="tweak">F</span>orget      <span
class="tweak">P</span>assword</h1>

```

```
</div> <!-- logo class -->
```

```
<div id="email-number-fields">
```

```
<p class="h6 text-center text-light">Enter email and contact number below to reset username  
and password<p>
```

```
<div class="input-group form-group">
```

```
<div class="input-group-prepend">
```

```
<span class="input-group-text"><i class="fas fa-envelope text-white"></i></span>
```

```
</div>
```

```
<input id="email" type="email" class="form-control" placeholder="enter email"  
required>
```

```
</div> <!--input-group class -->
```

```
<div class="input-group form-group">
```

```
<div class="input-group-prepend">
```

```
<span class="input-group-text"><i class="fas fa-key text-white"></i></span>
```

```
</div>
```

```
<input id="contact_number" type="number" class="form-control" placeholder="enter  
contact  
number" onkeyup="validate();" required>
```

```
</div> <!-- input-group class -->
```

```
<div class="form-group">
```

```
<button class="btn btn-default btn-block btn-custom"  
onclick="verifyEmailNumber();">Verify</button> </div>
```

```
</div>
```

```
<div id="username-password-fields" style="display: none;">
```

```
<div class="input-group form-group">
```

```

<div class="input-group-prepend">
  <span class="input-group-text"><i class="fas fa-user text-white"></i></span>
</div>

<input id="username" type="text" class="form-control" placeholder="enter
username"
onblur="notNull(this.value, 'username_error');" >

</div> <!--input-group class -->

<code class="text-light small font-weight-bold float-right mb-2" id="username_error"
style="display: none;"></code>

<div class="input-group form-group">
  <div class="input-group-prepend">
    <span class="input-group-text"><i class="fas fa-lock text-white"></i></span>
  </div>

  <input id="password" type="text" class="form-control" placeholder="enter
password"
onkeyup="validatePassword();" >

  </div> <!-- input-group class -->

  <code class="text-light small font-weight-bold float-right mb-2" id="password_error"
style="display: none;"></code>

<div class="input-group form-group">
  <div class="input-group-prepend">
    <span class="input-group-text"><i class="fas fa-key text-white"></i></span>
  </div>

  <input id="confirm_password" type="password" class="form-control"
placeholder="confirm
password" onkeyup="validatePassword();" >

```

```

        </div> <!-- input-group class -->

        <code      class="text-light      small      font-weight-bold      float-right      mb-2"
id="confirm_password_error"
style="display: none;"></code>

        <div class="form-group">

            <button      class="btn      btn-default      btn-block      btn-custom"
onclick="updateUsernamePassword();">Reset Password</button> </div>

        </div>

        </div><!-- form close -->

    </div> <!-- cord-body class -->

    <div class="card-footer">

        <div class="text-center">

            <a class="text-light" onclick="displayLoginForm();" style="cursor: pointer;">Login here</a>

        </div>

        </div> <!-- cord-footer class -->

    </div> <!-- card class -->

</div> <!-- container class -->

</body>

</html>

```

Home page:

```

<!DOCTYPE html>

<html lang="en" dir="ltr">

<head>

    <meta charset="utf-8">

    <title>Dashboard - Home</title>

```

```

<link    rel="stylesheet"    href="bootstrap/css/bootstrap.min.css">
    <script src="bootstrap/js/jquery.min.js"></script>
        <script src="bootstrap/js/bootstrap.min.js"></script>

<link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css" integrity="sha384-
mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU"
crossorigin="anonymous">
    <link        rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font- awesome.min.css">
        <link rel="shortcut icon" href="images/icon.svg" type="image/x-icon">
        <link rel="stylesheet" href="css/sidenav.css">
        <link rel="stylesheet" href="css/home.css">
        <script src="js/restrict.js"></script>
</head>
<body>
    <?php include "sections/sidenav.html"; ?>
    <div class="container-fluid">
        <div class="container">
            <!-- header section -->
<?php                require
    "php/header.php";
        createHeader('home', 'Dashboard', 'Home');
    ?>
    <!-- header section end -->

    <!-- form content -->
    <div class="row">
        <div class="row col col-xs-8 col-sm-8 col-md-8 col-lg-8">

<?php function createSection1($location, $title,
    $table) {
        require 'php/db_connection.php';

```

```

$query = "SELECT * FROM
$table"; if($title == "Out of Stock")
$query = "SELECT * FROM $table WHERE QUANTITY = 0";

$result = mysqli_query($con, $query);
$count = mysqli_num_rows($result);

```

```

if($title == "Expired") {
    // logic
    $count = 0;
while($row = mysqli_fetch_array($result))
{ $expiry_date = $row['EXPIRY_DATE'];
if(substr($expiry_date, 3) < date('y'))
    $count++; else if(substr($expiry_date, 3)
== date('y')) {
    if(substr($expiry_date, 0, 2) < date('m'))
        $count++;
    }
}
}
}

```

```

<div class="col-xs-12 col-sm-6 col-md-6 col-lg-4" style="padding:10px">
<div class="dashboard-stats" onclick="location.href=\"".$location.\""
color:pink">
<a class="text-dark text-decoration-none" href="\"".$location.\"">
<span class="h4">'.$count.'</span>

<div class="small font-weight-bold">'.$title.'</div>
</a>

</div>

</div>

```

```

        ';
    } createSection1('manage_customer.php', 'Total Customer',
    'customers'); createSection1('manage_supplier.php', 'Total Supplier',
    'suppliers'); createSection1('manage_medicine.php', 'Total Medicine',
    'medicines');
        createSection1('manage_medicine_stock.php?out_of_stock', 'Out of Stock',
    'medicines_stock'); createSection1('manage_medicine_stock.php?expired', 'Expired',
    'medicines_stock'); createSection1('manage_invoice.php', 'Total Invoice', 'invoices'); ?>

</div>

<div class="col col-xs-4 col-sm-4 col-md-4 col-lg-4" style="padding: 7px 0; margin-left:
15px;">
    <div class="todays-report">
        <div class="h5">Todays Report</div>
        <table class="table table-bordered table-striped table-hover">
            <tbody>
                <?php
                    require
                    'php/db_connection.php';
                    if($con) {
                        $date = date('Y-m-d');
                        ?>
                        <tr>
                            <?php
                                $total = 0;
                                $query = "SELECT NET_TOTAL FROM invoices WHERE INVOICE_DATE =
                                '$date'";
                                $result = mysqli_query($con, $query);

                                while($row = mysqli_fetch_array($result))
                                    $total = $total + $row['NET_TOTAL'];
                                ?>

```

```

<th>Total Sales</th>
<th class="text-success">Rs. <?php echo $total; ?></th>

</tr>

<tr>

<?php
    //echo $date;

    $total = 0;

    $query = "SELECT TOTAL_AMOUNT FROM purchases WHERE PURCHASE_DATE =
'sdate'";

    $result = mysqli_query($con, $query);
    while($row = mysqli_fetch_array($result))
        $total = $total + $row['TOTAL_AMOUNT'];
    }
    ?>
    <th>Total Purchase</th>
<th class="text-danger">Rs. <?php echo $total; ?></th>
</tr>

</tbody>
</table>
</div>
</div>

<hr style="border-top: 2px solid #ff5252;">

<div class="row">

```

```

</div>

<!-- form content end -->

<hr style="border-top: 2px solid #ff5252;">

</div>
</div>
</body>
</html>

```

Manage customer:

```

<!DOCTYPE html>
<html lang="en" dir="ltr">
<head>
  <meta charset="utf-8">
  <title>Manage Customer</title>
  <link rel="stylesheet" href="bootstrap/css/bootstrap.min.css">
  <script src="bootstrap/js/jquery.min.js"></script>
  <script src="bootstrap/js/bootstrap.min.js"></script>
  <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css" integrity="sha384-
mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU"
crossorigin="anonymous">
  <link rel="shortcut icon" href="" type="image/x-icon">
  <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
  <link rel="stylesheet" href="css/sidenav.css">
  <link rel="stylesheet" href="css/home.css">
  <script src="js/manage_customer.js"></script>
  <script src="js/validateForm.js"></script>

```

```

        <script src="js/restrict.js"></script>
    </head>
    <body style="max-height: 100%;">
        <!-- including side navigations -->
        <?php include("sections/sidenav.html"); ?>

        <div class="container-fluid">
            <div class="container">

                <!-- header section -->
                <?php require "php/header.php"; createHeader('handshake', 'Manage
                Customer', 'Manage Existing Customer');
                ?>
                <!-- header section end -->

                <!-- form content -->
                <div class="row">

                    <div class="col-md-12 form-group form-inline">
                        <label class="font-weight-bold" for="">Search :&nbsp;</label>
                        <input type="text" class="form-control" id="" placeholder="Search Customer"
                        onkeyup="searchCustomer(this.value);">
                    </div>

                    <div class="col col-md-12">
                        <hr class="col-md-12" style="padding: 0px; border-top: 2px solid #02b6ff;"> </div>

                    <div class="col col-md-12 table-responsive">
                        <div class="table-responsive">
                            <table class="table table-bordered table-striped table-hover">
                                <thead>
                                    <tr>

```

```

        <th style="width: 2%;">SL.</th>
        <th style="width: 10%;">Customer ID</th>
        <th style="width: 13%;">Customer Name</th>
        <th style="width: 13%;">Contact Number</th>
        <th style="width: 17%;">Address</th>
        <th style="width: 13%;">Doctor's Name</th>
        <th style="width: 17%;">Doctor's Address</th>
        <th style="width: 15%;">Action</th>
    </tr>
</thead>
<tbody id="customers_div">
<?php
        require
        'php/manage_customer.php';
        showCustomers(0);
    ?>
</tbody>
</table>
</div>
</div>

</div>
<!-- form content end -->
<hr style="border-top: 2px solid #ff5252;">
</div>
</div>
</body>
</html>

```

Manage invoice:

```

<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <title>Manage Invoice</title>
    <link rel="stylesheet" href="bootstrap/css/bootstrap.min.css">
    <script src="bootstrap/js/jquery.min.js"></script>
    <script src="bootstrap/js/bootstrap.min.js"></script>
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css" integrity="sha384-
mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU"
crossorigin="anonymous">
    <link rel="shortcut icon" href="images/icon.svg" type="image/x-icon">
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">

    <link rel="stylesheet" href="css/sidenav.css">
    <link rel="stylesheet" href="css/home.css">
    <script src="js/manage_invoice.js"></script>
    <script src="js/restrict.js"></script>
  </head>
  <body>
    <!-- including side navigations -->
    <?php include("sections/sidenav.html"); ?>

    <div class="container-fluid">
      <div class="container">

        <!-- header section -->
        <?php require "php/header.php"; createHeader('address-book', 'Manage
Invoice', 'Manage Existing Invoice');
        ?>
        <!-- header section end -->

```

```

<!-- form content -->
<div class="row">

    <div class="col-md-12 form-group form-inline">
        <label class="font-weight-bold" for="">Search :&emsp;</label>
        <input type="number" class="form-control" id="by_invoice_number" placeholder="By
Invoice
Nuber" onkeyup="searchInvoice(this.value, 'INVOICE_ID');">
        &emsp;<input type="text" class="form-control" id="by_customer_name"
placeholder="By Customer Name" onkeyup="searchInvoice(this.value, 'NAME');">
        &emsp;<label class="font-weight-bold" for="">By Invoice Date :&emsp;</label>
        <input type="date" class="form-control" id="by_date" onchange="searchInvoice(this.value,
'INVOICE_DATE');">
        &emsp;<button class="btn btn-success font-weight-bold" onclick="refresh();"><i class="fa fa-
refresh"></i></button>
    </div>

    <div class="col col-md-12">
<hr class="col-md-12" style="padding: 0px; border-top: 2px solid #02b6ff;"> </div>

    <div class="col col-md-12 table-responsive">
        <div class="table-responsive">
            <table class="table table-bordered table-striped table-hover">
                <thead>
                    <tr>
                        <th>SL.</th>
                        <th>Invoice No</th>
                        <th>Customer Name</th>
                        <th>Date</th>
                        <th>Total Amount</th>

```

```

        <th>Total Discount</th>
        <th>Net Total</th>
        <th>Action</th>
    </tr>
</thead>
<tbody id="invoices_div">
<?php require
'php/manage_invoice.php';
showInvoices();
?>
</tbody>
</table>
</div>
</div>

</div>
<!-- form content end -->
<hr style="border-top: 2px solid #ff5252;"> </div>
</div>
</body>
</html>

```

Add medicine:

```

<!DOCTYPE html>
<html lang="en" dir="ltr">
<head>
    <meta charset="utf-8">
    <title>Add New Medicine</title>
<link    rel="stylesheet"    href="bootstrap/css/bootstrap.min.css">
    <script src="bootstrap/js/jquery.min.js"></script>

```

```

        <script src="bootstrap/js/bootstrap.min.js"></script>

        <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css" integrity="sha384-
mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU"
crossorigin="anonymous">

        <link rel="shortcut icon" href="images/icon.svg" type="image/x-icon">

        <link      rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font- awesome.min.css">

        <link rel="stylesheet" href="css/sidenav.css">

        <link rel="stylesheet" href="css/home.css">

        <script src="js/suggestions.js"></script>

        <script src="js/validateForm.js"></script>

        <script src="js/restrict.js"></script>

    </head>

    <body>

        <div id="add_new_supplier_model">

            <div class="modal-dialog">

                <div class="modal-content">

                    <div class="modal-header" style="background-color: #ff5252; color: white">

                        <div class="font-weight-bold">Add New Supplier</div>

                        <button      class="close"      style="outline:      none;"
onclick="document.getElementById('add_new_supplier_model').style.display = 'none';"><i class="fa fa-
close"></i></button> </div>

                        <div class="modal-body">

                            <?php
                                include('sections/add_new_supplier.html');
                            ?>

                        </div>

                    </div>

                </div>

            </div>

        </div>

        <!-- including side navigations -->

        <?php include("sections/sidenav.html"); ?>

```

```

<div class="container-fluid">
  <div class="container">

    <!-- header section -->
<?php require "php/header.php"; createHeader('shopping-bag', 'Add
Medicine', 'Add New Medicine');
?>
    <!-- header section end -->

    <!-- form content -->
    <div class="row">
      <div class="row col col-md-6">
        <?php
          // form content
          require "sections/add_new_medicine.html";
        ?>
      </div>
    </div>

    <hr style="border-top: 2px solid #ff5252;">
    <!-- form content end -->
  </div>
</div>
</body>
</html>

```

Manage medicine:

```

<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>

```

```

<meta charset="utf-8">
<title>Manage Medicines</title>
<link rel="stylesheet" href="bootstrap/css/bootstrap.min.css">
    <script src="bootstrap/js/jquery.min.js"></script>
        <script src="bootstrap/js/bootstrap.min.js"></script>
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css" integrity="sha384-
mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU"
crossorigin="anonymous">
    <link rel="shortcut icon" href="images/icon.svg" type="image/x-icon">
<link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
    <link rel="stylesheet" href="css/sidenav.css">
    <link rel="stylesheet" href="css/home.css">
    <script src="js/manage_medicine.js"></script>
    <script src="js/validateForm.js"></script>
    <script src="js/restrict.js"></script>
</head>
<body>
    <!-- including side navigations -->
    <?php include("sections/sidenav.html"); ?>

    <div class="container-fluid">
        <div class="container">

            <!-- header section -->
            <?php require "php/header.php"; createHeader('shopping-bag', 'Manage
            Medicines', 'Manage Existing Medicine');
            ?>
            <!-- header section end -->

            <!-- form content -->
            <div class="row">

```

```

<div class="col-md-12 form-group form-inline">
    <label class="font-weight-bold" for="">Search :&nbsp;</label>
    <input type="text" class="form-control" id="by_name" placeholder="By Medicine Name"
onkeyup="searchMedicine(this.value, 'name');">
        &nbsp;<input type="text" class="form-control" id="by_generic_name" placeholder="By
Generic
Name" onkeyup="searchMedicine(this.value, 'generic_name');">
            &nbsp;<input type="text" class="form-control" id="by_suppliers_name"
placeholder="By Supplier
Name" onkeyup="searchMedicine(this.value, 'suppliers_name');"> </div>

```

```

<div class="col col-md-12">
    <hr class="col-md-12" style="padding: 0px; border-top: 2px solid #02b6ff;">
</div>

```

```

<div class="col col-md-12 table-responsive">
    <div class="table-responsive">
        <table class="table table-bordered table-striped table-hover">
            <thead>
                <tr>
                    <th style="width: 5%;">SL.</th>
                    <th style="width: 20%;">Medicine Name</th>
                    <th style="width: 10%;">Packing</th>
                    <th style="width: 30%;">Generic Name</th>
                    <th style="width: 20%;">Supplier</th>
                    <th style="width: 15%;">Action</th>
                </tr>
            </thead>
            <tbody id="medicines_div">

```

```

        <?php require
        'php/manage_medicine.php';
        showMedicines(0);
        ?>

                </tbody>

        </table>

    </div>

</div>

<!-- form content end -->

<hr style="border-top: 2px solid #ff5252;"> </div>

</div>

</body>

</html>

```

Manage medicine stock:

```

<!DOCTYPE html>

<html lang="en" dir="ltr">

    <head>

        <meta charset="utf-8">

        <title>Manage Medicines Stock</title>

        <link rel="stylesheet" href="bootstrap/css/bootstrap.min.css">

                <script src="bootstrap/js/jquery.min.js"></script>

                <script src="bootstrap/js/bootstrap.min.js"></script>

        <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css" integrity="sha384-
mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU"
crossorigin="anonymous">

                <link rel="shortcut icon" href="images/icon.svg" type="image/x-icon">

        <link        rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">

```

```

<link rel="stylesheet" href="css/sidenav.css">
<link rel="stylesheet" href="css/home.css">
<script src="js/manage_medicine_stock.js"></script>
<script src="js/validateForm.js"></script>
<script src="js/restrict.js"></script>
</head>
<body>
  <!-- including side navigations -->
  <?php include("sections/sidenav.html"); ?>

  <div class="container-fluid">
    <div class="container">

      <!-- header section -->
      <?php require "php/header.php"; createHeader('shopping-bag', 'Manage Medicines Stock',
        'Manage Existing Medicine Stock');
      ?>
      <!-- header section end -->

      <!-- form content -->
      <div class="row">

        <div class="col-md-12 form-group form-inline">
          <label class="font-weight-bold" for="">Search :&nbsp;</label>
          <input type="text" class="form-control" id="by_name" placeholder="By Medicine Name"
onkeyup="searchMedicineStock(this.value, 'NAME');">
          &nbsp;<input type="text" class="form-control" id="by_generic_name" placeholder="By
Generic

```

```

Name" onkeyup="searchMedicineStock(this.value, 'GENERIC_NAME');">
    &emsp;<input type="text" class="form-control" id="by_suppliers_name"
placeholder="By Supplier
Name" onkeyup="searchMedicineStock(this.value, 'SUPPLIER_NAME');">
&emsp;<button class="btn btn-danger font-weight-bold" onclick="searchMedicineStock('0',
'QUANTITY');">Out of Stock</button>
&emsp;<button class="btn btn-warning font-weight-bold" onclick="searchMedicineStock(",
'EXPIRY_DATE');">Expired</button>
&emsp;<button class="btn btn-success font-weight-bold" onclick="cancel();"><i class="fa fa-
refresh"></i></button>
</div>

```

```

<div class="col col-md-12">
<hr class="col-md-12" style="padding: 0px; border-top: 2px solid #02b6ff;"> </div>

```

```

<div class="col col-md-12 table-responsive">
<div class="table-responsive">
    <table class="table table-bordered table-striped table-hover">
        <thead>
            <tr>
                <th style="width: 1%;">SL.</th>
                <th style="width: 14%;">Medicine Name</th>
                <th style="width: 5%;">Packing</th>
                <th style="width: 14%;">Generic Name</th>
                <th style="width: 10%;">Batch ID</th>
                <th style="width: 8%;">Ex. Date (mm/yy)</th>
                <th style="width: 15%;">Supplier</th>
                <th style="width: 7%;">Qty.</th>
                <th style="width: 8%;">M.R.P.</th>
                <th style="width: 8%;">Rate</th>

```

```

        <th style="width: 10%;">Action</th>
    </tr>
</thead>
<tbody id="medicines_stock_div">
<?php
    require 'php/manage_medicine_stock.php';
    if(isset($_GET['out_of_stock']))
        echo
        "<script>searchMedicineStock('0', 'QUANTITY');</script>";
        else if(isset($_GET['expired']))
            echo "<script>searchMedicineStock('', 'EXPIRY_DATE');</script>";
    else showMedicinesStock("0");
    ?>
</tbody>
</table>
</div>
</div>

<!-- form content end -->
<hr style="border-top: 2px solid #ff5252;"> </div>
</div>
</body>
</html>

```

Add purchase:

```

<!DOCTYPE html>
<html lang="en" dir="ltr">
<head>
    <meta charset="utf-8">
    <title>Add New Purchase</title>

```

```

<script src="http://code.jquery.com/jquery-1.10.1.min.js"></script>
<link rel="stylesheet" href="bootstrap/css/bootstrap.min.css">
<script src="bootstrap/js/jquery.min.js"></script>
<script src="bootstrap/js/bootstrap.min.js"></script>
<link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css" integrity="sha384-
mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU"
crossorigin="anonymous">
<link rel="shortcut icon" href="images/icon.svg" type="image/x-icon">
<link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
<link rel="stylesheet" href="css/sidenav.css">
<link rel="stylesheet" href="css/home.css">
<script type="text/javascript" src="js/suggestions.js"></script>
<script type="text/javascript" src="js/add_new_purchase.js"></script>
<script type="text/javascript" src="js/validateForm.js"></script>
<script src="js/restrict.js"></script>
</head>
<body>
<div id="add_new_supplier_model">
<div class="modal-dialog">
<div class="modal-content">
<div class="modal-header" style="background-color: #ff5252; color: white">
<div class="font-weight-bold">Add New Supplier</div>
<button class="close" style="outline: none;"
onclick="document.getElementById('add_new_supplier_model').style.display = 'none';"><i class="fa fa-
close"></i></button> </div>
<div class="modal-body">
<?php
include('sections/add_new_supplier.html');
?>
</div>
</div>

```

```

    </div>

</div>

<!-- including side navigations -->
<?php include("sections/sidenav.html"); ?>

<div class="container-fluid">
    <div class="container">

        <!-- header section -->
<?php require "php/header.php"; createHeader('bar-chart', 'Add
Purchase', 'Add New Purchase');
    ?>
    <!-- header section end -->

    <!-- form content -->
    <div class="row">
        <!-- manufacturer details content -->
        <div class="row col col-md-12">

            <div class="col col-md-4 form-group">
                <label class="font-weight-bold" for="suppliers_name">Supplier :</label>
                <input id="suppliers_name" type="text" class="form-control" placeholder="Supplier
Name"
name="suppliers_name" onkeyup="showSuggestions(this.value, 'supplier');">
                <code class="text-danger small font-weight-bold float-right" id="supplier_name_error"
style="display: none;"></code>
                <div id="supplier_suggestions" class="list-group position-fixed" style="z-index: 1;
width: 25.10%;
overflow: auto; max-height: 200px;"></div>
            </div>

            <div class="col col-md-2 form-group">

```

```

        <label class="font-weight-bold" for="">Invoice Number :</label>
        <input type="number" class="form-control" placeholder="Invoice Number" id="invoice_number"
name="invoice_number" onblur="notNull(this.value, 'invoice_number_error'); checkInvoice(this.value,
'invoice_number_error');">
        <code class="text-danger small font-weight-bold float-right" id="invoice_number_error"
style="display: none;"></code>
    </div>

    <!--
    <div class="col col-md-2 form-group">
        <label class="font-weight-bold" for="">Voucher Number :</label>
        <input type="number" class="form-control" placeholder="Voucher Number"
name="voucher_number">
    </div>
    -->

    <div class="col col-md-2 form-group">
        <label class="font-weight-bold" for="paytype">Payment Type :</label>
        <select id="payment_type" name="paytype" class="form-control">
            <option value="Cash Payment">Cash Payment</option>
            <option value="Net Banking">Net Banking</option>
            <option value="Payment Due">Payment Due</option>
        </select>
    </div>

    <div class="col col-md-2 form-group">
        <label class="font-weight-bold" for="invoice_date">Date :</label>
        <input type="date" class="datepicker form-control hasDatepicker" id="invoice_date"
name="invoice_date" value='<?php echo date("Y-m-d"); ?>' onblur="checkDate(this.value,
'date_error');"> <code class="text-danger small font-weight-bold float-right" id="date_error"
style="display: none;"></code>
    </div>

```

</div>

<div class="row col col-md-12">

<div class="col col-md-2 font-weight-bold" style="color: green; cursor:pointer" onclick="document.getElementById('add_new_supplier_model').style.display = 'block';"> <i class="fa fa-plus"></i> Add New Supplier </div>

</div>

<!-- supplier details content end -->

<div class="col col-md-12">

<hr class="col-md-12" style="padding: 0px; border-top: 2px solid #02b6ff;">
</div>

<!-- add medicines -->

<div class="row col col-md-12 font-weight-bold">

<div class="col col-md-2">Medicine Name</div>

<div class="col col-md-1">Packing</div>

<div class="col col-md-2">Batch ID</div>

<div class="col col-md-1">Ex. Date (mm/yy)</div>

<div class="col col-md-1">Quantity</div>

<div class="col col-md-1">MRP</div>

<div class="col col-md-1">Rate</div>

<div class="row col col-md-3">

<div class="col col-md-7">Amount</div>

<div class="col col-md-5">Action</div>

</div>

</div>

<div class="col col-md-12">

<hr class="col-md-12" style="padding: 0px; border-top: 2px solid #02b6ff;">

</div>

<div id="purchase_medicine_list_div">

```

        <script> addRow(); </script>
    </div>
    <!-- end medicines -->

    <div class="row col col-md-12">
        <div class="col col-md-10"></div>
        <div class="col col-md-2 form-group float-right">
            <label class="font-weight-bold" for="">Grand Total :</label>
            <input type="text" class="form-control" id="grand_total" name="grand_total" disabled>
        </div>
    </div>

    <!-- button -->
    <div class="row col col-md-12">
        <div class="col col-md-5"></div>
        <div class="col col-md-2 form-group">
            <button class="btn btn-primary form-control" onclick="addPurchase();">ADD</button>
        </div>
        <div class="col col-md-5"></div>
    </div>
    <!-- closing button -->

    <div id="purchase_acknowledgement" class="col-md-12 h5 text-success font-weight-bold text-center" style="font-family: sans-serif;"></div>

</div>
<!-- form content end -->
<hr style="border-top: 2px solid #ff5252;"> </div>
</div>
</body>
</html>

```

Manage purchase:

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <title>Manage Purchase</title>
    <link rel="stylesheet" href="bootstrap/css/bootstrap.min.css">
    <script src="bootstrap/js/jquery.min.js"></script>
    <script src="bootstrap/js/bootstrap.min.js"></script>
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css" integrity="sha384-
mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU"
crossorigin="anonymous">
    <link rel="shortcut icon" href="images/icon.svg" type="image/x-icon">
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
    <link rel="stylesheet" href="css/sidenav.css">
    <link rel="stylesheet" href="css/home.css">
    <script src="js/suggestions.js"></script>
    <script src="js/add_new_purchase.js"></script>
    <script src="js/manage_purchase.js"></script>
    <script src="js/validateForm.js"></script>
    <script src="js/restrict.js"></script>
  </head>
  <body>
    <!-- including side navigations -->
    <?php include("sections/sidenav.html"); ?>
    <div class="container-fluid">
      <div class="container">

        <!-- header section -->
```

```

<?php require "php/header.php"; createHeader('bar-chart', 'Manage
Purchase', 'Manage Existing Purchase');

?>

<!-- header section end -->

<!-- form content -->
<div class="row">
    <div class="col-md-12 form-group form-inline">
        <label class="font-weight-bold" for="">Search :&emsp;</label>
        <input type="number" class="form-control" id="by_voucher_number" placeholder="By
Voucher
Number" onkeyup="searchPurchase(this.value, 'VOUCHER_NUMBER');">
        &emsp;<input type="text" class="form-control" id="by_suppliers_name"
placeholder="By Supplier
Name" onkeyup="searchPurchase(this.value, 'SUPPLIER_NAME');">
        &emsp;<input type="number" class="form-control" id="by_invoice_number" placeholder="By
Invoice" onkeyup="searchPurchase(this.value, 'INVOICE_NUMBER');">
        &emsp;<label class="font-weight-bold" for="">By Purchase Date :&emsp;</label>
        <input type="date" class="form-control" id="by_purchase_date"
onchange="searchPurchase(this.value, 'PURCHASE_DATE');">
        &emsp;
        <select class="form-control" onchange="searchPurchase(this.value,
'PAYMENT_STATUS');">
            <option value="DUE">DUE</option>
            <option value="PAID">PAID</option>
        </select>
        &emsp;<button class="btn btn-success font-weight-bold" onclick="cancel();"><i class="fa fa-
refresh"></i></button>
    </div>

    <div class="col col-md-12">
        <hr class="col-md-12" style="padding: 0px; border-top: 2px solid #02b6ff;"> </div>

```

```

<div class="col col-md-12 table-responsive">
  <div class="table-responsive">
    <table class="table table-bordered table-striped table-hover">
      <thead>
        <tr>
          <th style="width: 1%;">SL.</th>
          <th style="width: 12%;">Voucher Number</th>
          <th style="width: 18%;">Supplier Name</th>
          <th style="width: 12%;">Invoice Number</th>
          <th style="width: 15%;">Purchase Date</th>
          <th style="width: 10%;">Total Amount</th>
          <th style="width: 12%;">Payment Status</th>
          <th style="width: 12%;">Action</th>
        </tr>
      </thead>
      <tbody id="purchases_div">
        <?php require
        'php/manage_purchase.php';
        showPurchases(0);
        ?>
      </tbody>
    </table>
  </div>
</div>

</div>

<!-- form content end -->
<hr style="border-top: 2px solid #ff5252;"> </div>
</div>
</body>

```

</html>

Add supplier:

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <title>Add New Supplier</title>
    <link rel="stylesheet" href="bootstrap/css/bootstrap.min.css">
    <script src="bootstrap/js/jquery.min.js"></script>
    <script src="bootstrap/js/bootstrap.min.js"></script>
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css" integrity="sha384-
mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU"
crossorigin="anonymous">
    <link rel="shortcut icon" href="images/icon.svg" type="image/x-icon">
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
    <link rel="stylesheet" href="css/sidenav.css">
    <link rel="stylesheet" href="css/home.css">
    <script src="js/validateForm.js"></script>
    <script src="js/restrict.js"></script>
  </head>
  <body>
    <!-- including side navigations -->
    <?php include("sections/sidenav.html"); ?>

    <div class="container-fluid">
      <div class="container">
        <!-- header section -->
```

```

<?php          require
"php/header.php";
        createHeader('group', 'Add Supplier', 'Add New
Supplier'); // header section end
    ?>
    <div class="row">
        <div class="row col col-md-6">
            <?php
//          form          content          require
"sections/add_new_supplier.html"; ?>
        </div>
    </div>
    <hr style="border-top: 2px solid #ff5252;">

    </div>
</div>
</body> </html>

```

Manage supplier:

```

<!DOCTYPE html>
<html lang="en" dir="ltr">
    <head>
        <meta charset="utf-8">
        <title>Manage Supplier</title>
        <link    rel="stylesheet"    href="bootstrap/css/bootstrap.min.css">
        <script src="bootstrap/js/jquery.min.js"></script>
        <script src="bootstrap/js/bootstrap.min.js"></script>
        <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css" integrity="sha384-
mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU"
crossorigin="anonymous">

```

```

        <link rel="shortcut icon" href="images/icon.svg" type="image/x-icon">
    <link        rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font- awesome.min.css">
        <link rel="stylesheet" href="css/sidenav.css">
        <link rel="stylesheet" href="css/home.css">
        <script src="js/manage_supplier.js"></script>
        <script src="js/validateForm.js"></script>
        <script src="js/restrict.js"></script>
    </head>
    <body>
        <!-- including side navigations -->
        <?php include("sections/sidenav.html"); ?>

        <div class="container-fluid">
            <div class="container">

                <!-- header section -->
                <?php require "php/header.php"; createHeader('group', 'Manage
Supplier', 'Manage Existing Supplier');
                ?>
                <!-- header section end -->

                <!-- form content -->
                <div class="row">

                    <div class="col-md-12 form-group form-inline">
                        <label class="font-weight-bold" for="">Search :&emsp;</label>
                        <input type="text"    class="form-control" id=""    placeholder="Search  Supplier"
onkeyup="searchSupplier(this.value);">
                    </div>

                    <div class="col col-md-12">

```

```

<hr class="col-md-12" style="padding: 0px; border-top: 2px solid #02b6ff;"> </div>

<div class="col col-md-12 table-responsive">
  <div class="table-responsive">
    <table class="table table-bordered table-striped table-hover">
      <thead>
        <tr>
          <th style="width: 5%;">SL</th>
          <th style="width: 10%;">ID</th>
          <th style="width: 20%;">Name</th>
          <th style="width: 15%;">Email</th>
          <th style="width: 15%;">Contact Number</th>
          <th style="width: 20%;">Address</th>
          <th style="width: 15%;">Action</th>
        </tr>
      </thead>
      <tbody
        id="suppliers_div">
        <?php
          require 'php/manage_supplier.php';
          showSuppliers(0);
        ?>
      </tbody>
    </table>
  </div>
</div>

</div>

<!-- form content end -->
<hr style="border-top: 2px solid #ff5252;"> </div>
</div>
</body>

```

</html>

New invoice:

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <title>New Invoice</title>
    <link rel="stylesheet" href="bootstrap/css/bootstrap.min.css">
    <script src="bootstrap/js/jquery.min.js"></script>
    <script src="bootstrap/js/bootstrap.min.js"></script>
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css" integrity="sha384-
mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU"
crossorigin="anonymous">
    <link rel="shortcut icon" href="images/icon.svg" type="image/x-icon">
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
    <link rel="stylesheet" href="css/sidenav.css">
    <link rel="stylesheet" href="css/home.css">
    <script src="js/suggestions.js"></script>
    <script src="js/add_new_invoice.js"></script>
    <script src="js/manage_invoice.js"></script>
    <script src="js/validateForm.js"></script>
    <script src="js/restrict.js"></script>
  </head>
  <body>
    <div id="add_new_customer_model">
      <div class="modal-dialog">
        <div class="modal-content">
          <div class="modal-header" style="background-color: #ff5252; color: white">
            <div class="font-weight-bold">Add New Customer</div>
```

```

        <button class="close" style="outline: none;"
onclick="document.getElementById('add_new_customer_model').style.display = 'none';"><i class="fa fa-
close"></i></button> </div>

        <div class="modal-body">

            <?php
include('sections/add_new_customer.html'); ?>

        </div>

    </div>

</div>

<!-- including side navigations -->
<?php include("sections/sidenav.html"); ?>

<div class="container-fluid">
    <div class="container">

        <!-- header section -->
<?php require "php/header.php"; createHeader('clipboard', 'New
Invoice', 'Create New Invoice');
        ?>
        <!-- header section end -->

        <!-- form content -->
        <div class="row">
            <!-- customer details content -->
            <div class="row col col-md-12">
                <div class="col col-md-3 form-group">
                    <label class="font-weight-bold" for="customers_name">Customer Name :</label>
                    <input id="customers_name" type="text" class="form-control" placeholder="Customer Name"
name="customers_name" onkeyup="showSuggestions(this.value, 'customer');">
                    <code class="text-danger small font-weight-bold float-right" id="customer_name_error"
style="display: none;"></code>

```

```

        <div id="customer_suggestions" class="list-group position-fixed" style="z-index: 1;
width:
18.30%; overflow: auto; max-height: 200px;"></div>
    </div>
    <div class="col col-md-3 form-group">
        <label class="font-weight-bold" for="customers_address">Address :</label>
        <input id="customers_address" type="text" class="form-control" name="customers_address"
placeholder="Address" disabled>
    </div>
    <div class="col col-md-2 form-group">
        <label class="font-weight-bold" for="invoice_number">Invoice Number :</label>
        <input id="invoice_number" type="text" class="form-control"
name="invoice_number" placeholder="Invoice Number" disabled>
    </div>
    <div class="col col-md-2 form-group">
        <label class="font-weight-bold" for="">Payment Type :</label>
        <select id="payment_type" class="form-control">
            <option value="1">Cash Payment</option>
            <option value="2">Card Payment</option>
            <option value="3">Net Banking</option>
        </select>
    </div>
    <div class="col col-md-2 form-group">
        <label class="font-weight-bold" for="">Date :</label>
        <input type="date" class="datepicker form-control hasDatepicker" id="invoice_date"
value='<?php echo date('Y-m-d'); ?>' onblur="checkDate(this.value, 'date_error');">
        <code class="text-danger small font-weight-bold float-right" id="date_error" style="display:
none;"></code>
    </div>
</div>
<!-- customer details content end -->

```

```

<!-- new user button -->
<div class="row col col-md-12">
  <div class="col col-md-2 form-group">
    <button class="btn btn-primary form-control"
onclick="document.getElementById('add_new_customer_model').style.display = 'block';">New
Customer</button>
  </div>
  <div class="col col-md-1 form-group"></div>
  <div class="col col-md-2 form-group">
    <label class="font-weight-bold" for="customers_contact_number">Contact Number
: </label>
    <input id="customers_contact_number" type="number" class="form-control"
name="customers_contact_number" placeholder="Contact Number" disabled>
  </div>
</div>
<!-- closing new user button -->

```

```

<div class="col col-md-12">
<hr class="col-md-12" style="padding: 0px; border-top: 3px solid #02b6ff;"> </div>

```

```

<!-- add medicines -->
<div class="row col col-md-12">
  <div class="row col col-md-12 font-weight-bold">
    <div class="col col-md-2">Medicine Name</div>
    <div class="col col-md-2">Batch ID</div>
    <div class="col col-md-1">Ava.Qty.</div>
    <div class="col col-md-1">Expiry</div>
    <div class="col col-md-1">Quantity</div>
    <div class="col col-md-1">MRP</div>
    <div class="col col-md-1">Discount(%)</div>
    <div class="col col-md-1">Total</div>

```

```

<div class="col col-md-2">Action</div>
</div>
</div>
<div class="col col-md-12">
<hr class="col-md-12" style="padding: 0px; border-top: 2px solid #02b6ff;"> </div>

<div class="row col col-md-12 " id="invoice_medicine_list_div">
  <script> addRow(); getInvoiceNumber(); </script>
</div>
<!-- end medicines -->

<div class="row col col-md-12">
  <div class="col col-md-6 form-group"></div>
  <div class="col col-md-2 form-group float-right">
    <label class="font-weight-bold" for="">Total Amount:</label>
    <input type="text" class="form-control" value="0" id="total_amount" disabled>
  </div>
  <div class="col col-md-2 form-group float-right">
    <label class="font-weight-bold" for="">Total Discount :</label>
    <input type="text" class="form-control" value="0" id="total_discount" disabled>
  </div>
  <div class="col col-md-2 form-group float-right">
    <label class="font-weight-bold" for="">Net Total :</label>
    <input type="text" class="form-control" value="0" id="net_total" disabled>
  </div>
</div>

<div class="col col-md-12">
  <hr class="col-md-12" style="padding: 0px;">
</div>

```

```

<div class="row col col-md-12">
  <div id="save_button" class="col col-md-2 form-group float-right">
    <label class="font-weight-bold" for=""></label>
    <button class="btn btn-success form-control font-weight-bold"
onclick="addInvoice();">Save</button> </div>
  <div id="new_invoice_button" class="col col-md-2 form-group float-right" style="display: none;">
    <label class="font-weight-bold" for=""></label>
    <button class="btn btn-primary form-control font-weight-bold"
onclick="location.reload();">New Invoice</button> </div>
    <div id="print_button" class="col col-md-2 form-group float-right" style="display:
none;">
      <label class="font-weight-bold" for=""></label>
      <button class="btn btn-warning form-control font-weight-bold"
onclick="printInvoice(document.getElementById('invoice_number').value);">Print</button>
    </div>
    <div class="col col-md-4 form-group"></div>
    <div class="col col-md-2 form-group float-right">
      <label class="font-weight-bold" for="">Paid Amount :</label>
      <input type="text" class="form-control" name="total_discount"
onkeyup="getChange(this.value);">
    </div>
    <div class="col col-md-2 form-group float-right">
      <label class="font-weight-bold" for="">Change :</label>
      <input type="text" class="form-control" id="change_amt" disabled>
    </div>
  </div>

  <div id="invoice_acknowledgement" class="col-md-12 h5 text-success font-weight-bold
text-center" style="font-family: sans-serif;"></div>

</div>
<!-- form content end -->

```

```

<hr style="border-top: 2px solid #ff5252;"> </div>
    </div>
</body>
</html>

```

Purchase report:

```

<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <title>Purchase Report</title>
    <link rel="stylesheet" href="bootstrap/css/bootstrap.min.css">
    <script src="bootstrap/js/jquery.min.js"></script>
    <script src="bootstrap/js/bootstrap.min.js"></script>
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css" integrity="sha384-
mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU"
crossorigin="anonymous">
    <link rel="shortcut icon" href="images/icon.svg" type="image/x-icon">
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
    <link rel="stylesheet" href="css/sidenav.css">
    <link rel="stylesheet" href="css/home.css">
    <script src="js/report.js"></script>
    <script src="js/restrict.js"></script>
  </head>
  <body>
    <!-- including side navigations -->
    <?php include("sections/sidenav.html"); ?>

    <div class="container-fluid">
      <div class="container">

        <!-- header section -->
        <?php require "php/header.php"; createHeader('book', 'Purchase
Report', 'Showing Purchase Report');
        ?>

```

```

<!-- header section end -->

<!-- form content -->
<div class="row">

    <div class="col-md-12 form-group form-inline">
        <label class="font-weight-bold" for="">Start Date :&emsp;</label>
        <input          type="date"          class="form-control"          id="start_date"
onchange="showReport('purchase');"> &emsp;
        <label class="font-weight-bold" for="">End Date :&emsp;</label>
        <input          type="date"          class="form-control"          id="end_date"
onchange="showReport('purchase');"> &emsp;
        <button      class="btn  btn-success"  onclick="location.reload();"><i      class="fa
fa- refresh"></i></button>
    </div>

    <div class="col col-md-12">
        <hr class="col-md-12" style="padding: 0px; border-top: 2px solid #02b6ff;">
    </div>

    <div class="col col-md-12 table-responsive">
        <div id="print_content" class="table-responsive">
            <table class="table table-bordered table-striped table-hover" id="purchase_report_div">
                <?php
                    require
                    "php/report.php";
                    showPurchases("", "");
                ?>
            </table>
        </div>
    </div>

    <div class="col-md-12 text-center">
        <button  class="btn  btn-primary"  onclick="printReport('Purchase');">Print</button>
    </div>

</div>

<!-- form content end -->
<hr style="border-top: 2px solid #ff5252;"> </div>
</div>
</body>

```

</html>

Add new customer:

```
<?php
$host = "localhost";
$username = "root";
$password = "";
$dbase = "pharmacy";
$conn = mysqli_connect($host, $username, $password, $dbase);

// Check the connection
if (!$conn) {
    die("Connection failed: " . mysqli_connect_error());
}

// Retrieve the form data from the $_POST superglobal variable
$username = $_POST['username'];
$password = $_POST['password'];

// Sanitize and validate the form data
$username = filter_var($username, FILTER_SANITIZE_STRING);
$password = filter_var($password, FILTER_SANITIZE_EMAIL);

// Construct the SQL query
$sql = "INSERT INTO retailer (username, password) VALUES ('$username', '$password')";

// Execute the SQL query
```

```

// Close the MySQL database connection
//mysqli_close($conn);

$sl="SELECT * from medicines_stock";
//$result = mysqli_query($conn, $sl);
// $row = mysqli_fetch_array($result);
$result = $conn->query($sl);
?>

<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <title>Dashboard - Home</title>
    <link rel="stylesheet" href="bootstrap/css/bootstrap.min.css">
    <script src="bootstrap/js/jquery.min.js"></script>
    <script src="bootstrap/js/bootstrap.min.js"></script>
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css" integrity="sha384-
mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU"
crossorigin="anonymous">
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
    <link rel="shortcut icon" href="images/icon.svg" type="image/x-icon">
    <!--<link rel="stylesheet" href="css/sidenav.css"> ---- >
    <!--<link rel="stylesheet" href="css/home.css"> ---- >
    <script src="js/manage_medicine_stock.js"></script>
    <script src="js/restrict.js"></script>
<style> input{
width:80%;

```

```

        padding:1%;
margin:1.5%;
    }
#btn{ width:70%;
color:white;
padding:1%;
margin:1%;
        background-color:black;

    }
h1{
        margin:1%;
    }
    .row{
align-items:center;
margin-left:auto; margin-right:auto;
    }
    .ret{
        margin:5%;
    }
</style>
</head>
<body>

    <center><div class="container-fluid">
        <div class="container">
            <h1>Available medicines</h1>

            <!-- header section -->
<?php
require
    "php/header.php";

```

```

?>
<!-- header section end -->

<!-- form content -->
<div class="row">

    <div class="col-md-12 form-group form-inline">
        <label class="font-weight-bold" for="">Search :&nbsp;</label>
        <input type="text" class="form-control" id="by_name" placeholder="By Medicine Name"
onkeyup="searchMedicineStock(this.value, 'NAME');">
        &nbsp;<input type="text" class="form-control" id="by_generic_name" placeholder="By Generic
Name" onkeyup="searchMedicineStock(this.value, 'GENERIC_NAME');">
        &nbsp;<button class="btn btn-danger font-weight-bold" onclick="searchMedicineStock('0',
'QUANTITY');">Out of Stock</button>
        &nbsp;<button class="btn btn-warning font-weight-bold" onclick="searchMedicineStock(",
'EXPIRY_DATE');">Expired</button>
        &nbsp;<button class="btn btn-success font-weight-bold" onclick="cancel();"><i class="fa fa-
refresh"></i></button>
    </div>

    <div class="col col-md-12">
        <hr class="col-md-12" style="padding: 0px; border-top: 2px solid #02b6ff;"> </div>

    <div class="col col-md-12 table-responsive">
        <div class="table-responsive">
            <table class="table table-bordered table-striped table-hover">
                <thead>
                    <tr>
                        <th style="width: 1%;">SL.</th>
                        <th style="width: 14%;">Medicine Name</th>
                        <th style="width: 14%;">Generic Name</th>

```

```

        <th style="width: 8%;">M.R.P.</th>

        </tr>

    </thead>

    <tbody id="medicines_stock_div">

        <?php
            // Iterate over the result set
            while ($row = $result->fetch_assoc()) { echo
                "<tr>"; echo "<td>" . $row['ID'] . "</td>";
                echo "<td>" . $row['NAME'] . "</td>";
                echo "<td>" . $row['BATCH_ID'] . "</td>";
                echo "<td>" . $row['MRP'] . "</td>";

                echo "</tr>";
            }
        ?>

        </tbody>

    </table>

</div>

</div>

</div>

<!-- form content end -->

<hr style="border-top: 2px solid #ff5252;"> </div>

</div></center>

<center>

    <form class="ret" action="retailerform.php" method="post">

<h2>Form</h2><input type="text" placeholder="Enter the medicine name" name="medicine_name">

```

```

        <input type="text" placeholder="Enter the quantity" name="Quantity"><br>
        <button id="btn" type="submit">Submit</button></form></center>

</body>
</html>

```

Client login:

```

<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <title>Pharmacy Management - Login</title>
    <link rel="stylesheet" href="bootstrap/css/bootstrap.min.css">
    <script src="bootstrap/js/jquery.min.js"></script>
    <script src="bootstrap/js/bootstrap.min.js"></script>
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css" integrity="sha384-
mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU"
crossorigin="anonymous">
    <link rel="shortcut icon" href="images/icon.svg" type="image/x-icon">
    <link rel="stylesheet" href="css/index.css">
    <script src="js/index.js"></script>
  <style> #logoimg{
    width:20%;
    margin-top:-10%;
    height:20%;
    margin-bottom:-20%;
  }
  </style>
</head>
<body>
  

```

```

<div class="container">
  <div class="card m-auto p-2">
    <div class="card-body">
<form name="login-form" class="login-form" action="retailer.php" method="post" >
  <div class="logo">

    </div> <!-- logo class -->

    <div class="input-group form-group">
      <div class="input-group-prepend">
        <span class="input-group-text"><i class="fas fa-user
          text-white"></i></span>

      </div>

      <input name="username" type="text" class="form-control" placeholder="username" required>
    </div> <!--input-group class -->

    <div class="input-group form-group">
      <div class="input-group-prepend">
        <span class="input-group-text"><i class="fas fa-key
          text-white"></i></span>

      </div>

      <input name="password" type="password" class="form-control" placeholder="password"
        required>
    </div> <!-- input-group class -->

    <div class="form-group">
      <button class="btn btn-default btn-block btn-custom">Login</button>
    </div>

    </form><!-- form close -->

  </div> <!-- cord-body class -->

  <div class="card-footer">
    <div class="text-center">
      <a class="text-light" href="#">Forgot password?</a> </div>
    </div> <!-- cord-footer class -->
  </div> <!-- card class -->

```

```

    </div> <!-- container class -->

</body>
</html>

```

Sales report:

```

<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <title>Sales Report</title>
    <link rel="stylesheet" href="bootstrap/css/bootstrap.min.css">
    <script src="bootstrap/js/jquery.min.js"></script>
    <script src="bootstrap/js/bootstrap.min.js"></script>
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css" integrity="sha384-
mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU"
crossorigin="anonymous">
    <link rel="shortcut icon" href="images/icon.svg" type="image/x-icon">
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
    <link rel="stylesheet" href="css/sidenav.css">
    <link rel="stylesheet" href="css/home.css">
    <script src="js/report.js"></script>
    <script src="js/restrict.js"></script>
  </head>
  <body>
    <!-- including side navigations -->
    <?php include("sections/sidenav.html"); ?>

    <div class="container-fluid">
      <div class="container">

```

```

        <!-- header section -->
<?php require "php/header.php"; createHeader('book', 'Sales
Report', 'Showing Sales Report'); ?>
        <!-- header section end -->


        <!-- form content -->
        <div class="row">

            <div class="col-md-12 form-group form-inline">
                <label class="font-weight-bold" for="">Start Date :&emsp;</label>
                <input                type="date"                class="form-control"                id="start_date"
onchange="showReport('sales');"> &emsp;
                <label class="font-weight-bold" for="">End Date :&emsp;</label>
                <input                type="date"                class="form-control"                id="end_date"
onchange="showReport('sales');"> &emsp;
                <button        class="btn    btn-success"    onclick="location.reload();"><i        class="fa
fa- refresh"></i></button>
            </div>

            <div class="col col-md-12">
                <hr class="col-md-12" style="padding: 0px; border-top: 2px solid #02b6ff;"> </div>

            <div class="col col-md-12 table-responsive">
                <div id="print_content" class="table-responsive">
                    <table        class="table        table-bordered        table-striped        table-hover"
id="sales_report_div">
                        <?php
                            require        "php/report.php";
showSales("", "");
                        ?>
                    </table>
                </div>
            </div>

```

```

        </div>

        <div class="col-md-12 text-center">
            <button class="btn btn-primary" onclick="printReport('Sales');">Print</button>
        </div>

    </div>

    <!-- form content end -->
<hr style="border-top: 2px solid #ff5252;"> </div>
</div>
</body>
</html>

```

View orders:

```

<?php
$host = "localhost";
$username = "root";
$password = "";
$database = "pharmacy";
$conn = mysqli_connect($host, $username, $password, $database);

// Check the connection
if (!$conn) {
    die("Connection failed: " . mysqli_connect_error());
}

$sql="SELECT * from retailerform";
// $result = mysqli_query($conn, $sql);
// $row = mysqli_fetch_array($result);
$result = $conn->query($sql);

```

```

?>
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <title>Dashboard - Home</title>
    <link rel="stylesheet" href="bootstrap/css/bootstrap.min.css">
    <script src="bootstrap/js/jquery.min.js"></script>
    <script src="bootstrap/js/bootstrap.min.js"></script>
    <link rel="stylesheet" href="https://use.fontawesome.com/releases/v5.3.1/css/all.css" integrity="sha384-
mzrmE5qonljUremFsqc01SB46JvROS7bZs3IO2EmfFsd15uHvIt+Y8vEf7N7fWAU"
crossorigin="anonymous">
    <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">
    <link rel="shortcut icon" href="images/icon.svg" type="image/x-icon">
    <!--<link rel="stylesheet" href="css/sidenav.css">
    <link rel="stylesheet" href="css/home.css"> ---- >
    <script
src="js/manage_medicine_stock.js"></script>      <script
src="js/restrict.js"></script>

    <div class="col col-md-12">
<hr class="col-md-12" style="padding: 0px; border-top: 2px solid #02b6ff;"> </div>

    <div class="col col-md-12 table-responsive">
      <div class="table-responsive">
        <table class="table table-bordered table-striped table-hover">
          <thead>
            <tr>

```

```

        <th style="width: 14%;">Medicine Name</th>
    <th style="width: 14%;">Quantity</th>

    </tr>

</thead>

<tbody >

    <?php
        // Iterate over the result set while ($row
    = $result->fetch_assoc()) { echo "<tr>"; echo
    "<td>" . $row['medicine_name'] . "</td>"; echo
    "<td>" . $row['Quantity'] . "</td>";

        echo "</tr>";
    }
    ?>

    </tbody>

</table>

</div>

```

REFERENCES

- [1] <https://getbootstrap.com/docs/5.3/getting-started/introduction/>
- [2] JavaScript: The Good Parts" by Douglas Crockford

It Focuses on the core concepts and best practices of JavaScript. It covers the essential aspects of the language, including functions, objects, arrays, and more.

[3] "PHP and MySQL Web Development" by Luke Welling and Laura Thomson

Provides me a comprehensive guide to building dynamic, database driven websites using PHP and MySQL. It covers essential PHP Concepts and Database integration, practical examples that can be useful in developing the backend of the family drug mart.

Family DrugMart

Dr. R. M. Gomathi, M.Tech.,Ph.D.
Department of Computer Science
and Engineering
Sathyabama Institute of Science
and Technology,
Chennai,India
gomathi.it@sathyabama.ac.in

Swarna Tharun Sai
Department of Computer Science
and Engineering
Sathyabama Institute of Science
and Technology
Chennai,India
Swarnatarunsai2001@gmail.com

Chinta Manoj kumar Reddy
Department of Computer Science
and Engineering
Sathyabama Institute of Science
and Technology
Chennai,India
Chintamanojkumarreddy147@gmail

Abstract

In the rapidly evolving landscape of healthcare services, pharmacies stand as critical touchpoints, ensuring the timely and accurate distribution of medications. "Family

Drug Mart: Bridging Efficiency in Pharmacy Operations" introduces a pioneering PHP-based management system designed to streamline the operations of small to medium-sized pharmacy outlets. This study delves into the development and implementation of the comprehensive system, focusing on its capability to automate and optimize various facets of pharmacy management including inventory control, prescription processing, and customer service. The proposed system leverages the robustness and flexibility of PHP technology to integrate essential pharmacy operations into a single, cohesive platform. It addresses common challenges such as medication errors, inventory discrepancies, and inefficiencies in customer service, thereby enhancing the overall productivity and reliability of pharmacy services. Key features of the system include an intuitive user interface, real-time inventory tracking, automated refill reminders, and secure digital storage of customer records and prescriptions. The research presents a detailed analysis of the system's impact on operational efficiency, data accuracy, and customer satisfaction. It also explores the

scalability of the system, ensuring its adaptability to the growing needs of pharmacy businesses. By bridging the gap between traditional pharmacy practices and modern technology, "Family Drug Mart" stands out as a significant advancement in the field of pharmacy management. The study concludes with future prospects for the system, emphasizing its potential to revolutionize pharmacy operations by fostering a more efficient, customercentric, and error-free service environment.

I. INTRODUCTION

The pharmaceutical industry plays a pivotal role in the healthcare ecosystem, providing essential medications to patients and ensuring their well-being. Within this industry, community pharmacies serve as accessible and trusted

sources of healthcare services, catering to the needs of individuals and families. However, the efficient management of pharmacy operations poses unique challenges, ranging from accurate prescription processing to inventory control and customer service. In response to these challenges, modern technology has emerged as a transformative force, offering innovative solutions to enhance the effectiveness and reliability of pharmacy services.

The "Family Drug Mart: Bridging Efficiency in Pharmacy Operations" project represents a significant

endeavor to harness the power of technology in the realm of pharmacy management. This project introduces a comprehensive PHP-based management system tailored to the requirements of small to medium-sized pharmacy outlets. By integrating and automating critical aspects of pharmacy operations, such as prescription handling, inventory management, and customer interaction, this system aims to bridge the gap between traditional practices and modern efficiency.

This introduction sets the stage for an in-depth exploration of the PHP-based management system developed for "Family Drug Mart." It outlines the challenges faced by community pharmacies, highlights the potential of technology-driven solutions, and provides an overview of the project's objectives. As we delve further into the study, we will uncover the intricacies of the system's development, its impact on pharmacy operations, and its future prospects in revolutionizing the way pharmacies deliver vital healthcare services to their communities. The "Family Drug Mart" project embodies the spirit of innovation and progress, with the ultimate goal of enhancing the efficiency, accuracy, and customer satisfaction within the pharmacy landscape.

II. LITERATURE SURVEY

[1] "Pharmacy Management Systems: A Review" by

Ahmed Qasem et al. - This comprehensive review examines the landscape of pharmacy management systems (PMS) and their significant impact on the operational efficiency of pharmacies. It delves into the various components and functionalities of PMS, emphasizing their role in prescription processing, inventory management, and customer service. The paper discusses how PMS streamlines workflow processes, reduces medication errors, and enhances patient safety. It also highlights the evolving trends in PMS, such as cloud-based solutions and mobile applications, which empower pharmacies to adapt to changing healthcare needs.

[2] "Development of a Pharmacy Management System" by R. Singh and S. Singh - This work focuses on the development of a pharmacy management system tailored to the specific requirements of pharmacies. It elaborates on the system's features, including prescription management, drug inventory control, and sales tracking. The paper highlights how the system automates repetitive tasks, reduces manual errors, and improves overall efficiency. It emphasizes the user-friendly interface and secure data storage, ensuring that pharmacists can easily manage their operations while safeguarding patient information.

[3] "E-Pharmacy: An Emerging Trend in Healthcare" by

A. K. Gupta et al. - This paper explores the emergence of e-pharmacy platforms and their transformative impact on traditional pharmacy operations. It discusses how e-pharmacies leverage digital technology to offer convenience and accessibility to consumers. The work emphasizes the challenges and opportunities associated with e-pharmacy, including regulatory compliance and patient safety. It underscores the potential for e-pharmacies to expand healthcare access to remote areas and improve medication adherence through digital solutions.

[4] "Pharmacy Automation Systems: A Comprehensive Review" by L. Chen et al. - This comprehensive review provides an extensive overview of pharmacy automation systems, including robotics and artificial intelligence (AI). It discusses how automation technologies enhance pharmacy efficiency by automating drug dispensing, packaging, and inventory management. The paper explores the role of robotics in compounding and prescription verification, reducing the risk of medication errors. Additionally, it delves into AI-driven solutions for drug interaction checks and patient counseling, emphasizing the potential for improved patient care.

[5] "Inventory Management in Pharmacy Practice: A Review of Literature" by R. Ahmed et al. - This work focuses on inventory management strategies within pharmacy practice. It provides a comprehensive review of literature on techniques to optimize drug inventory. The paper discusses inventory control methods, including just-in-time inventory, ABC analysis, and economic order quantity models. It highlights the importance of accurate

inventory management in reducing costs, preventing stockouts, and ensuring the availability of essential medications to patients.

[6] "Digital Health Records in Pharmacy Practice: A Comprehensive Review" by S. Malik et al. - This paper explores the integration of digital health records (DHR) in pharmacy management. It discusses how DHR systems enable pharmacists to access patient medical histories, medication records, and allergies, leading to better-informed decisions. The work emphasizes the role of DHR in medication reconciliation, adverse event reporting, and patient counseling. It underscores the potential for improved patient outcomes and collaborative care through the seamless integration of DHR into pharmacy practice.

[7] "Impact of Health Information Technology on Medication Errors" by D. S. Cho et al. - This study investigates the impact of health information technology (HIT), including pharmacy management systems, in reducing medication errors. It examines how HIT solutions improve medication safety through electronic prescribing, barcode scanning, and clinical decision support systems. The paper discusses real-world examples of HIT implementations that have resulted in reduced errors and enhanced patient safety. It underscores the critical role of technology in preventing adverse drug events and improving medication management.

[8] "Telepharmacy: A Comprehensive Review" by P. Verma and S. K. Goel - This work provides insights into the concept of telepharmacy, a growing trend in pharmacy practice. It discusses how telepharmacy leverages telecommunications technology to extend pharmacy services to remote and underserved areas. The paper explores the role of telepharmacy in medication therapy management, prescription verification, and patient counseling. It highlights the regulatory considerations and challenges associated with telepharmacy implementation. The work underscores the potential for telepharmacy to bridge healthcare.

[9] "Blockchain Technology in Healthcare: A Review" by N. Sharma et al. - This paper explores the application of

blockchain technology in pharmaceutical supply chain management and drug traceability. It discusses how blockchain ensures transparency, security, and traceability of pharmaceutical products from manufacturing to distribution. The work emphasizes the role of blockchain in combating counterfeit drugs and enhancing patient safety. It discusses real-world use cases of blockchain implementation in pharmaceuticals and highlights the potential for a more secure and efficient supply chain.

[10] "The Role of Artificial Intelligence in Pharmacy" by M. A. Elbarbary et al. - This study investigates the role of artificial intelligence (AI) in pharmacy practice. It explores how AI-driven solutions, such as machine learning algorithms, enhance prescription verification, drug interactions checks, and patient counseling. The paper discusses the potential for AI to improve medication adherence through personalized interventions. It emphasizes the integration of AI into pharmacy management systems to empower pharmacists with data-driven insights and decision support tools.

III. EXISTING SYSTEM

The existing pharmacy management system is primarily characterized by traditional, manual processes that are prevalent in the management of pharmacy operations. In this system, paper-based records play a central role, with patient profiles, prescription details, and inventory lists being meticulously documented on physical documents. Pharmacists and pharmacy staff rely on these records for day-to-day operations, which can be labor-intensive and susceptible to errors. One significant aspect of the existing system is the manual processing of prescriptions. Prescription orders, originating from healthcare providers or patients, are submitted in physical form. Pharmacists undertake the responsibility of reviewing, interpreting, and fulfilling these prescriptions manually. While pharmacists play a crucial role in ensuring medication accuracy and safety, the manual

nature of this process can result in delays and the potential for human errors in the dispensing of medications. Inventory management is another pivotal aspect of the existing system, and it is predominantly managed manually. Pharmacy staff regularly conduct physical inventory checks, assess stock levels, and update inventory records by hand. This manual approach to inventory control can lead to challenges such as overstocking or understocking of medications, which can affect operational efficiency and potentially result in revenue loss. Additionally, customer interactions in the existing system are somewhat limited in terms of digital engagement. While pharmacists provide valuable counseling to patients, the system lacks proactive digital tools for monitoring medication adherence and patient engagement. The absence of technology-driven patient education and reminders represents a missed opportunity to enhance patient care. Furthermore, security and privacy concerns surround the existing system due to the storage of patient records and prescription details in physical files. Maintaining the confidentiality of patient information and ensuring data security are ongoing challenges in this setup. The existing pharmacy management system also lacks comprehensive data analysis capabilities. It struggles to leverage data for purposes such as identifying trends in medication dispensing, monitoring patient adherence, or optimizing inventory turnover. Overall, the prevailing pharmacy management system relies heavily on manual processes, which, while familiar, can be time-consuming, error-prone, and less efficient. Modernization and the integration of technology are imperative to address these limitations, improve operational efficiency, enhance patient care, and address security and privacy concerns.

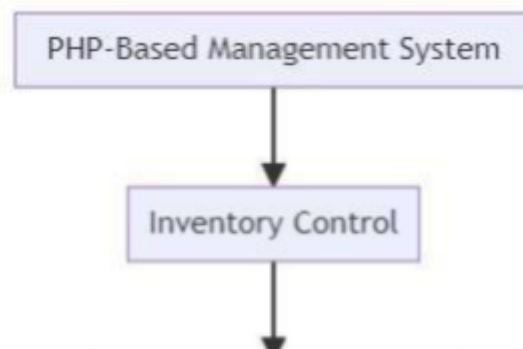
IV. PROPOSED SYSTEM

medication dispensing trends, patient adherence, and inventory turnover. These insights enable pharmacists to make data-driven decisions, optimize operations, and provide better patient care. Integration and Interoperability: The various

The proposed pharmacy management system represents a significant leap forward in modernizing and streamlining pharmacy operations. This innovative system leverages advanced technology, particularly PHP-based management software, to enhance efficiency, accuracy, and patient care. Here are the key features and components of the proposed system: Digital Prescription Processing: In the proposed system, prescription processing is automated and digitized. Healthcare providers can electronically transmit prescriptions directly to the pharmacy, reducing the reliance on physical documents. Pharmacists can review and fill prescriptions more efficiently, minimizing the potential for errors and ensuring timely dispensing of medications. Real-Time Inventory Management: Inventory control is revolutionized with real-time tracking and management. RFID and barcode technologies are employed to monitor stock levels and expiration dates continuously. This dynamic approach to inventory ensures that medications are always available, minimizing the risk of overstocking or running out of essential drugs. Secure Patient Records: Patient profiles and prescription details are securely stored in a digital database. The proposed system employs robust security measures to safeguard patient information, ensuring compliance with data privacy regulations. Authorized personnel can access patient records quickly, enhancing the efficiency of patient care. Efficient Customer Interaction: The system incorporates features for efficient customer interaction. Patients can access their prescription information, request refills, and receive automated medication reminders through a user-friendly online portal or mobile app. This enhances patient engagement and adherence to medication regimens. Data Analytics and Reporting: The proposed system includes

robust data analytics tools. It can generate reports

on



components of the pharmacy management system, including prescription processing, inventory management, and patient records, are seamlessly integrated. This integration ensures that data flows smoothly between different functions, reducing redundancy and minimizing the potential for errors. Accessibility and Telepharmacy: The system offers enhanced accessibility through telepharmacy capabilities. Patients in remote areas can access pharmacy services and consultations through telemedicine technology, expanding healthcare access. Security and Compliance: Robust security measures, including encryption and access controls, are implemented to protect patient data. The system ensures compliance with healthcare regulations, including HIPAA, to maintain the highest standards of privacy and security. User Training and Support: The proposed system includes comprehensive user training and ongoing support to ensure that pharmacy staff can leverage its full potential effectively. Scalability and Future-Proofing: The system is designed to be scalable, accommodating the growing needs of the pharmacy. It is built with the flexibility to adapt to evolving technology trends and regulatory requirements, ensuring its longevity and relevance in the rapidly changing healthcare landscape.

V. SYSTEM ARCHITECTURE

Fig. 1. System Architecture

VI .METHODOLOGY

The methodology employed in the development and implementation of the proposed PHP-based pharmacy management system follows a systematic and well-structured approach to ensure its effectiveness and alignment with the specific requirements of pharmacy operations. It commences with a thorough requirement analysis phase, involving extensive

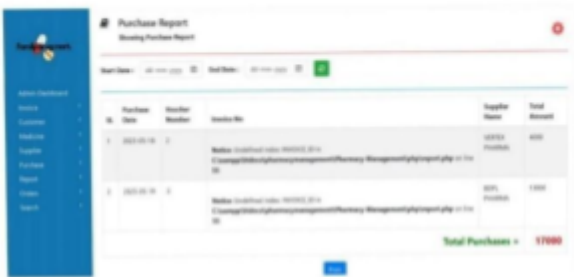
paramount importance during this phase to ensure that the system is intuitive and efficient for pharmacy staff. The development phase involves the actual coding and creation of the PHP-based system, with a strong focus on adherence to the design specifications. Simultaneously, rigorous testing procedures, encompassing unit testing, integration testing, and user acceptance testing, are conducted to identify and rectify any defects or issues. This phase ensures the system's reliability, functionality, and robustness. Data migration and integration are critical components, ensuring the secure transfer of existing data, including patient records and inventory information, into the new system. This seamless transition is essential to maintaining continuity in pharmacy operations. User training forms an integral part of the methodology, with comprehensive training programs developed to empower pharmacy staff and personnel to effectively utilize the system's capabilities. Pilot testing in a controlled environment precedes full deployment, allowing for real-world testing and identifying potential areas for improvement. Upon successful pilot testing, the system is deployed across the entire pharmacy operation, including the installation of necessary hardware, software, and network configurations for seamless integration. Continuous monitoring and maintenance ensure optimal system performance, data security, and compliance with industry regulations. Ongoing user support and training programs are maintained to assist pharmacy staff in utilizing the system proficiently and to address any questions or challenges encountered during daily operations. Additionally, a feedback loop is established to gather input from users, allowing for

consultation with pharmacists, pharmacy staff, and stakeholders to comprehensively understand the unique needs and challenges of the pharmacy environment. This detailed requirement gathering phase serves as the foundation for the subsequent stages of system development. Following requirement analysis, the system design phase ensues, where the architectural framework, database structure, user continuous improvements and updates to the system based on real-world experiences and evolving pharmacy needs.

VII. RESULT AND DISCUSSION

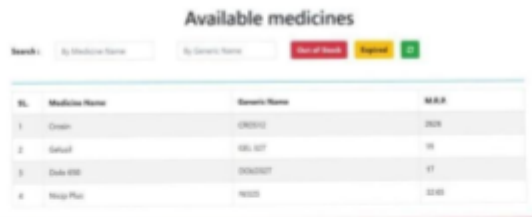
The results and discussion section of the study on the PHPbased pharmacy management system presents a comprehensive analysis of the system's implementation and its implications for pharmacy operations and patient care. Upon the system's deployment, several significant impacts were observed. Firstly, digital prescription processing streamlined the workflow, reducing processing times and transcription errors, resulting in faster medication dispensing and improved patient satisfaction. Real-time inventory management proved highly effective in maintaining optimal stock levels and minimizing overstocking or understocking issues. Patient engagement and adherence were enhanced through patient portals and automated medication reminders, contributing to improved health outcomes. The system's data analytics and reporting capabilities empowered pharmacists to make data-driven decisions, optimizing operations and interfaces, and integration points are meticulously designed. User-friendliness and a seamless user experience are given resource allocation. Robust security measures ensured patient data confidentiality and compliance with healthcare regulations. The system's scalability and adaptability allowed for seamless expansion, accommodating increased prescription volumes and additional pharmacy locations. Continuous user feedback played a pivotal role in refining the system, addressing challenges, and incorporating user-driven enhancements. While the system's benefits were evident,

some challenges, including staff adaptation and occasional technical glitches, were acknowledged. Ongoing training and support were emphasized to mitigate these challenges effectively. Looking ahead, the system's potential for further improvement included exploring advanced AI-driven features for drug interaction checks and expanding telepharmacy capabilities to reach underserved populations. In summary, the PHP-based pharmacy management system demonstrated its positive impact on pharmacy operations, enhancing efficiency, accuracy, patient engagement, and overall service quality.



Purchase ID	Purchase Date	Number	Invoice No.	Supplier Name	Total Amount
1	2023-05-18	1	2023-05-18	2023-05-18	1000
2	2023-05-18	2	2023-05-18	2023-05-18	1000
Total Purchases =					17000

Fig 2.16 Printing of purchase report.



SL	Medicine Name	Quantity	MRP
1	Ciprofloxacin	1000	1000
2	Cefixime	1000	1000
3	Dolo 650	1000	1000
4	Nurofen	1000	1000

Fig 2.18 Display of available medicines in the store

VIII. CONCLUSION

The conclusion of the study on the PHP-based pharmacy management system underscores the transformative impact of modern technology on pharmacy operations and

patient care. It summarizes the key findings, highlights the system's achievements, and outlines its broader implications. Here is the conclusion: In conclusion, the implementation of the PHPbased pharmacy management system represents a pivotal step towards enhancing the efficiency, accuracy, and patientcentricity of pharmacy operations. The results of this study demonstrate significant improvements in prescription processing, inventory management, patient engagement, and data-driven decision-making. Pharmacists and pharmacy staff experienced streamlined workflows, reduced errors, and improved communication with healthcare providers, leading to faster medication dispensing and increased patient satisfaction. The real-time inventory management capabilities of the system proved highly effective in maintaining optimal stock levels, minimizing costly overstocking and potential medication shortages. Patient engagement and medication adherence were notably enhanced through user-friendly patient portals and automated medication reminders, contributing to improved health outcomes and patient wellbeing. Data analytics and reporting provided pharmacists with valuable insights, enabling data-driven decision-making for resource allocation and operational optimization. The system's robust security measures ensured the confidentiality of patient data and compliance with healthcare regulations, fostering trust among pharmacy staff and patients. The system's scalability and adaptability position it as a valuable asset, accommodating growth and expansion while maintaining efficiency. Ongoing user feedback mechanisms facilitated continuous improvement, addressing challenges, and incorporating user-driven enhancements. While challenges such as staff adaptation and occasional technical glitches were acknowledged, the commitment to ongoing training and support was emphasized to mitigate these issues effectively. Looking ahead, the system holds promise for further advancement, including the exploration of advanced AI-driven features for drug interaction checks and the expansion of telepharmacy capabilities to reach underserved populations. In the rapidly evolving landscape of healthcare,

the PHP-based pharmacy management system exemplifies the potential of technology to revolutionize pharmacy practices, ultimately leading to improved patient care, increased operational efficiency, and enhanced pharmacy services. Its successful implementation underscores the importance of embracing modernization in pharmacy operations to meet the ever-changing needs of the healthcare industry and ensure the well-being of patients.

IX. FUTURE WORK

Future work in the domain of pharmacy management systems holds immense potential for further advancements that can enhance the efficiency, effectiveness, and patient-centricity of pharmacy operations. One promising avenue for future development is the integration of advanced artificial intelligence (AI) algorithms to provide real-time clinical support. This includes AI-powered drug interaction checks, personalized medication dosage recommendations based on individual patient profiles, and proactive alerts for potential adverse reactions. These AI-driven features can significantly enhance medication safety and reduce the risk of errors, ultimately improving patient outcomes. Additionally, the development of personalized medication plans tailored to each patient's unique needs represents a critical area for future exploration. The system can utilize patient data to generate customized medication schedules, complete with dosage instructions and timely reminders. Such personalization can lead to a notable improvement in patient adherence to prescribed regimens, ultimately contributing to better health outcomes. Expanding telepharmacy capabilities to reach remote and underserved populations is another imperative focus for future work. Enhancing the integration of telemedicine technology can enable virtual consultations between patients and pharmacists, ensuring that individuals in remote areas have access to expert pharmaceutical care and guidance. The incorporation of blockchain technology for drug traceability and authenticity

verification presents an opportunity to combat counterfeit medications and enhance supply chain transparency. This ensures that patients receive genuine and safe medications, aligning with the highest standards of pharmaceutical quality. Continued advancements in data analytics capabilities should also be a priority, with a focus on predictive analytics for inventory management, trend analysis for patient adherence, and demand forecasting for medication ordering. These analytics-driven insights can optimize pharmacy operations, reduce costs, and enhance patient services. Furthermore, integrating with mobile health (mHealth) applications can facilitate seamless data sharing between patients and the pharmacy system. Patients can input health data, receive guidance, and access medication-related information remotely, fostering a holistic approach to healthcare. Developing interactive patient education modules within the system empowers patients with essential knowledge about their medications and health conditions. This educational component promotes informed decisionmaking and encourages patients to take an active role in managing their health. As cybersecurity threats continue to evolve, future work should also prioritize the enhancement of security measures to protect patient data. Regular security audits and updates will be essential to stay ahead of potential threats and ensure data privacy. User experience enhancements should remain an ongoing focus, with usability studies and user feedback guiding improvements to create a more intuitive and user-friendly interface for pharmacy staff and patients. Additionally, environmental sustainability considerations can be integrated into future work by implementing eco-friendly practices within pharmacy operations, such as reducing paper usage and optimizing energy consumption. Lastly, seamless integration with electronic health records (EHRs) should be pursued to enhance interoperability between healthcare providers and pharmacies, ensuring the secure and efficient exchange of patient data. In summary, future work in pharmacy management systems should continue to

harness the power of innovation and technological advancements to provide everimproving pharmaceutical services, ultimately enhancing patient care and the overall healthcare experience.

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