

Revolutionizing Medical Management through an Innovative Medical Management System

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Abstract— Medical Management System is a PHP-based web application designed to help medical stores manage their medicines more With effectively. this system in place, pharmacists can better track and manage their inventory, ensuring that they never run out of critical medications. One of the key features of the Medical Management System is its ability to send alerts to the admin when supplies of certain medications run low. This helps ensure that medical stores always have enough inventory to meet the needs of their patients. Additionally, the system is able to manage pharmacist schedules and responsibilities, making it easier for everyone to work together as a team. Perhaps most importantly, the Medical Management System is designed to be highly user-friendly. The system works with any device that has a web browser, meaning that pharmacists can access it from their desktop computers, laptops, tablets, or smartphones. The system also features a GUIbased interface that makes it easy to navigate and use. The Medical Management System also includes a location feature that helps pharmacists quickly and easily find the medications they need. This is especially useful in larger stores where medicines may be stored in multiple locations. By showing the location of each medication, the system helps reduce the complexity of finding specific items. Finally, the Medical Management System is able to manage medicine suppliers and place new orders as needed. This is a critical

feature that helps ensure that medical stores always have access to the medications they need. Admins can also use the system to add new medicines, delete expired medications, and provide details about the available medicines in the store. Overall, the Medical Management System is a powerful tool that can help medical stores manage their medicines more effectively. By providing alerts, managing inventory, and streamlining processes, this system can help improve patient care and reduce errors in medication management.

Index Terms— Management system,Pharmacy,Web Application,Medical Store,php

I. INTRODUCTION

The Medical Management System (MMS) is a powerful solution that can revolutionize the way medical stores manage their inventory. By using the MMS, pharmacists can easily track and manage their inventory, reducing the risk of errors and increasing efficiency. One of the key benefits of the MMS is that it allows pharmacists to manage sales, medicines, pharmacy, and company inventory with ease. The system is designed to be easy to use, with a user-friendly interface that makes it simple for pharmacists to add, remove, and modify items as needed. The MMS also generates reports that display the list of submitted items, their prices, and any discounts. The MMS is an administrative system that is accessible only to the administrator. This means that only authorized personnel can access the system, ensuring that sensitive data is kept secure. The primary goal of the MMS is to reduce the manual effort required by pharmacists and to print out the customer's prescription bill. One of the biggest advantages of the MMS is that it eliminates the need for paper records. This makes it much easier and more efficient to manage a large pharmacy, reducing the risk of errors and improving overall efficiency. With the MMS, pharmacists can quickly and easily replenish their medicine supply, order pharmaceuticals, and generate reports that display key information about each drug, including price, its specifications, batch number. discount. expiration date, and retail availability. The MMS is highly adaptable, and it can adjust the quantity of discounts based on product availability. It can also display previously added or new records, allowing users to update drug functions and make discounts in parallel. This makes it a flexible and powerful tool for managing pharmacy inventory. Despite the challenges posed by the COVID-19 pandemic, the pharmacy industry remains a critical part of the healthcare system. The success of the entire healthcare system depends heavily on pharmacy business management. As a result, the MMS system is an essential tool for the pharmacy industry, enabling them to operate efficiently and effectively while maintaining the highest standards of patient care.

Motivation

The main need of this project is to manage the medicine in pharmacy and develop a software

that provide alerts about low medicine and It will be able to order a new medicine from another medical store..

Application

1. Ordering the medicine from another store 2. Adding and managing the Medicines 3. Adding and Managing the Pharmacists 4. Searching the medicine from store 5. Medicine Details 6. Set Reminders.

Advantages

1.Performing searching of medicines. 2. Reminders for low medicine. 3. Order from another store if available. 4 Internet connection not required.

Methodology

(Architecture): Methodology Because the project's requirements weren't likely to change frequently, the application wasn't too complex or large, the project was brief and straightforward, the requirements were clear, the environment was stable, and there were trained and available resources, we used the waterfall model of project development. The Waterfall Methodology is the earliest and most sequential application development life cycle model currently in use. Regardless of the project, it is broken down into several series of stages called analytics, design, programming, initiation, testing, and deployment. Nobody may go to a following stage without finishing the preceding step, thus the need for such phases. It is commonly referred to as the linear sequence app development life cycle model for this reason.

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Fig. Admin Dashboard

Admin Dashboard displays 5 options to the Viewers - Inventory, Suppliers, New Employee, Invoice Details and Low medicine Alert. Inventory will give all the details of the stocked medicines with its expiry date and amounts of medicine in stock. The information of the customers will be shown in Suppliers. New employee details can be updated by the employee. Invoice will hold all the records of medicines exchanged through our site. Low medicine Alert will provide us with option which will allow the Admin to keep track on the medicines which has to be restocked.

V. HELPFUL HINTS

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Medical Management System			LIST OF PRODUC	TS SOLD		Logout
Dashboard						
Inventory 🗸	-					
Suppliars 🖌	Sale ID	Modicine ID	Modicino Name	Quantity Gold		
Stock Purchase 🗸	1	123001	Dato 652 MG	20	20.00	
imployees 🗸	1	123011	Augmentin 250 ML	2	160.00	
Customers 🗸	2	123033	Lizogen	75	225.00	
/iew Sales Invoice Details	2	123035	Cyclosam	60	360.00	
New Sold Products	3	123018	Vitamic C	40	120.00	
Details	4	123010	Concur 5 MG	250	875.00	
Add New Sale	4	123011	Augmentin 250 ML	1	80.00	
Reports o	5	123001	Dato 650 MG	45	45.00	
	8	123038	Benadryl 200 ML	2	100.00	
	6	123039	Omeprazole	10	40.00	
	7	123001	Dalo 650 MG	100	100.00	
	7	123013	Lirogen	50	250.00	
	8	123001	Dato 650 MG	10	10.00	
	8	123032	Panadol Cold & Flu	10	25.00	
	12	123035	Cyclopam	10	00.03	
	13	123012	Panado: Cold & Flu	25	F2.50	

Fig.1. List of Products Sold



Fig.2. Employe List

Fig.1. Shows list of products(medicines) that the medical system caters for different health needs. It list out all the products with the amount of a particular medicines sold. Fig. 2, Employee List list out the employees currently working under the medical system. The Employee List contains comprehensive information about each employee, including their full name, job title, contact details, salary and other relevant details.



Fig.3. Sales Invoice

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Fig.4.Add Employee Details

Medical Management									
System									
ashboard		SALES INVOICE DETAILS							
ventory o									
ippliers 🗸	Sale ID	Customer ID	Date and Time	Sale Amount	Employee ID				
ock Purchase 🗸	1	987101	2020-04-15 13 23 03	180.00	4567009				
nployees 🗸	2	987106	2020-04-21 20:19:31	585.00	1				
istomers 🗸	3	987103	2020 04-15 11:23:53	120.00	4567010				
aw Sales Invoice stails	4	987104	2020-04-14 18 20:00	955.00	4567006				
w Sold Products	5	987103	2020-04-21 15:24:43	45.00	1				
ew Sold Products	6	987102	2020-03-11 10.24.43	140.00	4567001				
ld New Sale	7	987105	2020-04-24 00:25:54	350.00	1				
Reports 🗸	8	987104	2020-04-24 00:47:47	35.00	4567001				
	12	987103	2020-04-24 19:33:16	60,00	1				
	13	987104	2020-04-24 21:15:56	62.50	4567001				
	15	987107	2020-12-04 18:39:46	420.00	1				
	16	987106	2020 12:04 18:52:21	30.00	1				
	17	987103	2020-12-04 19:35:56	57.50	1				

Fig.5. Sales Invoice Details

Fig. 3 Sales invoice gives details of the medicine, in the system each medicine is given different id and its name and price is listed. Fig. 4 Add Employee Details allows the admin to add record of the Employee. Name, contact, salary, address and all relevant Details are stored. Sales Invoice details gives detailed view of the Transaction with the customer and its exact date and time with total amount.

CONCLUSION

By utilizing the Medical Management System, we can effectively handle daily medical-related tasks such as adding medicines, managing

the pharmacists under the medical shop, and display in alerts for low medicine levels that require ordering from another store. This system provides the added benefit of showing which medical store we are ordering medicine from. With proper training, support, and continuous improvement, the system has the potential to revolutionize healthcare management practices and contribute to the overall advancement of the medical industry. By automating this project and eliminating paperbased documentation, healthcare providers can experience significant time savings and reduced errors. The improved inventory management feature will minimize stockouts and optimize resource utilization.

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