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Revolutionizing Medical Management through an Innovative Medical Management System

1. **Abhishek Bhambre 2. Dyaneshwar Nirgude 3.Yogeshwari Dubale 4.Aishwarya Pawar .**
2. **Guide Name:prof.Pranita Ingale**[1,]

[1]prof.Pravin Barapatre,JSPM Bhivarabai Sawant Institute of Technology and Research, Wagholi, pune

Abstract

Medical management System is PHP based web Application that will help medical store to manage their Medicine. It will also able to manage the low medicine and give the alert to the admin of the web Application. Medical management System is also able to manage pharmacist in the store. This software is designed to work with any device just using the Browser. This System will handle the medical tasks in GUI way to improve their Experience. There are several things that we tend to face in our standard of living where things to be performed by pharmacist manual, to avoid this problem this software will show to location of the medicines. This will help to reduce the complexity in finding the medicines from ranks. Additionally, this Application will able to show the low medicine alert and can be ordered from another medical store in which medicines are available. This software will able to manage medicine supplier and able to place new order of medicines. This Medical Management System will help Admin to add new medicines, delete expired medicines and also able to provide the details of available medicines in the store .

keywords

Management system,Pharmacy,Web Application,Medical Store,php

Introduction

The Medical Management System (MMS) is an innovative solution that can enhance accuracy, safety, and efficiency in medical stores. By utilizing the MMS, pharmacists can manage inventory, costs, medical safety, and updates of new goods with ease. The MMS allows users to add, remove, and modify items while generating reports that display the list of submitted items, their prices, and any discounts.

Previously, manual methods were used in pharmacies to track every medicine, which could lead to errors and increased effort on the part of the pharmacist. However, the Python project on MMS is designed to manage sales, medicines, pharmacy, and company inventory. The MMS is an administrative system, and only the administrator has access to it. The primary goal of the MMS is to lessen the manual effort required by pharmacists and print out the customer's prescription bill.

The traditional method of storing bill records in file cabinets is now outdated, and it can be exceedingly difficult and tiresome to manage a large pharmacy using paper records. The MMS is a time-saving and environmentally friendly solution that allows pharmacists to manage their inventory efficiently. With the MMS, the pharmacist can replenish the medicine supply, order pharmaceuticals, and generate reports that display the drug's price, specifications, batch number, discount, expiration date, and retail availability after it has been sold. The MMS is highly adaptable and can adjust the quantity of discounts based on product availability. It is also capable of displaying previously added or new records, allowing users to update drug functions and make discounts in parallel. Despite the COVID-19 pandemic's impact on the healthcare industry, the pharmacy industry is still overlooked and considered a supplemental service. Nevertheless, 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.

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.

Applications

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 a. Methodology (Architecture): 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.

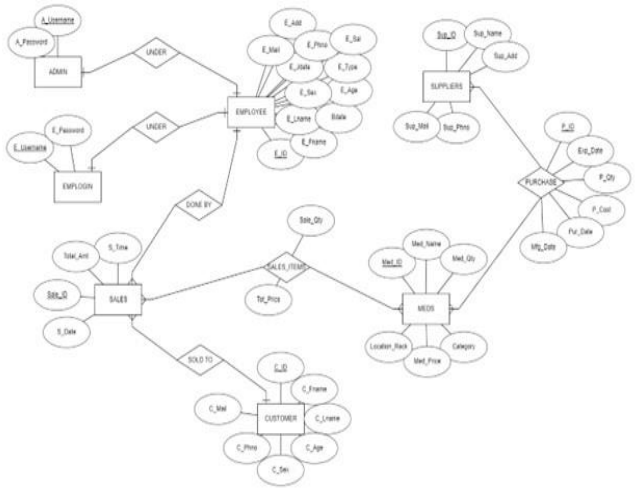

Fig. 1. Methodology

Regardless of the project, it is broken down into several series of stages called initiation, analytics, design, programming, 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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Conclusion

By using this medical management system, we will be able to handle daily medical related tasks like adding medicines, showing low medicine to order, managing the pharmacists under the medical shop. Additionally, it can show the low medicine alert and we can order it from another store. We our Project in this institute. We would also like to thank the institute for providing the required facilities,internet accesss and important books.

References

[1]] http://www.w3school.com/

[2]] http://en.wikipedia.org/wiki/Waterfall_*m*odel.

[3] . Wilson JM. Gantt charts: a centenary appreciation. Eur J Oper Res. 2003;149:430–437. http://dx.doi.org/10.1016/S0377-2217 (02)00769-5.

[4] https://www.google.com.pk/?gws_*r*d = *cr*2*Csslei* = 9*LXNV MaeI*9*bnatzKgngq* = *history*20*of*20*online*20*fir*20*system*20*in*20*pakistan*

[5] . World Health Organization. Medical Stores Management Manual. http://apps.who.int/medicinedocs/documents/s19621en/s19621en.pd

[6]Debbarma, M., Rani, U. (2020). A review study on pharmaceutical inventory management and store keeping practices of pharmacy in rural hospitals. Indian Journal of Public Health Research Development, 11(2).

[7]Dash, S., Shakyawar, S. K., Sharma, M., Kaushik, S. (2019). Big data in healthcare: management, analysis, and future prospects. Journal of Big Data, 6(1), 54. https://doi.org/10.1186/s40537-019-0217-0

[8]Esmaeil Mehraeen,Evaluation Of Hospital Information Systems In Selected Hospitals Of Iran,[Internet],October 2014,AvailableFrom:Http://Airccse.Org/Journal/Ijait/Papers/4514ijait01.Pdf

[9] Pellegrin, K., Chan, F., Pagoria, N., Jolson-Oakes, S., Uyeno, R., and Levin, A. (2018). "A Statewide Medication Management System: Health Information Exchange to Support Drug Therapy Optimization by Pharmacists Across the Continuum of Care." Applied Clinical Informatics, 9(1), 1-10. doi:10.1055/s-0037-1620262. .