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PHARMACY'S POS SYSTEM

Assistant Professor Anitha J[1] , Niveditha M[2]

[1.] *Professor of Dr Ambedkar Institute of Technology, Dept of MCA,Bangalore-560056,Karnataka ,India*
[2.] *Student of Dr Ambedkar Institute of Technology, Dept of MCA,Bangalore-560056,Karnataka ,India*

ABSTRACT

This paper presents the Pharmacy's POS system. The system relies on tracking the sales and the day-to-day transaction of pharmacy store and record the sales that has been carried out throughout the day that is controlled by an admin and is used by the cashier to do the transaction smoothly using this simple web application. By using this application the manual work done by the cashier is completely eradicated and the mistakes are less likely to be done while the technology is involved.

KEYWORDS: ***Web application , sales transaction, POS***

I. INTRODUCTION

We find technology involved in everything that are being implemented in every possible way in our daily life. For example, we can order the groceries, clothing without even getting out from our home, by which we can say that technology has created a great impact on our daily lives. This system allows the pharmacy store to maintain the day-to-day sales transaction and record the transaction for the future use. The application consists of two modules namely- admin and a cashier. Admin has all the access to the system that he is responsible for all the functionalities in the system .He populates and manages the important functionalities of the project. He manages the stocks in the stock list page manages other information like expiry date of the medicine and the information about who is the supplier of the medicine. The transaction page consists of products, item and the calculation panel. The products can be controlled only by the admin and the cashier can access the products that are available in the pharmacy. The quantity of the medicine can be modified and removed by the cashier when the customer buy any medicine. It also generates the printable receipt at the end of the transaction.

II. LITERATURE REVIEW

Our system eliminated the manual work that uses pen and paper which makes the transactions complicated as the transactions that involves pharmacy has more customers to the store and managing all the transactions is quite difficult to track. The categories and their functions include the medications in the pharmacy, their expiration date, and the number of medications that are readily available. To replenish the already depleting stock, the administrator can order medications. Additionally, manual ordering is used for prescription drugs. Writing the order requires a significant amount of time since the administrator must review the stock balance and estimate the amount to purchase based on the data. As is common knowledge, medications are not meant to be taken past their expiration dates. This project effort will alert the admin to the presence of nearly-expired medications, stopping their sale and solving any immediate issues.

In order to maximise the contribution that medicines make to achieving informed and desired patient care outcomes, Western Pac Surveil Response J. (2015) defines medicines management as the complete process of how medications are chosen, procured, supplied, prescribed, administered, and reviewed. In the Philippines, managing medications happens at all levels of government and differs depending on whether there is an emergency or not.

Disasters and emergencies have frequently delayed the delivery of health services in the Philippines, especially following Typhoon Haiyan in November 2013. The purpose of this study was to evaluate the public sector's medicines management system in Haiyan-affected areas during the response and to describe current policies for managing medications in the Philippines during emergencies and non-emergencies.

- The Application of IT in the hospital pharmacy management

  Authors: Man Dong and Tie Hong

  Conclusion: The use of pharmaceuticals in line with permission is now easier to manage in hospitals thanks to the development of information technology, especially when it comes to narcotic, psychoactive, and medicare drug use. Our ability to control the entire hospital drug usage scenario and accomplish effective monitoring and scientific oversight of clinical medication is made possible by information technology.

- Mobile Application for checking the status of stock availability

Authors: N Brundha and N Ambreen Kubra

Conclusion: A computer programme is created using the term "mobile application" in order to be implemented on smart handheld devices, Android phones, etc. The Android platform is utilised to create a pharmacy app. The clients will be able to

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access the medication with the help of this application without having to visit each drugstore in the monitored area.

- Conversational bot for pharmacy

Authors -Nur Syahirah Ahmad, Man Dong

Conclusion - The chatbot is capable of recommendation the styles of medicinal drugs to be taken primarily based totally at the statistics supplied via way of means of the client. The improvement of the software is capable of enhance the verbal exchange method among the clients and the drugstore and on the equal time allows the drugstore to have a higher client control system.

III. PROPOSED METHODOLOGY

Proposed system eliminated the paper and pen work. The transactions are made easily available as they are stored in the database.

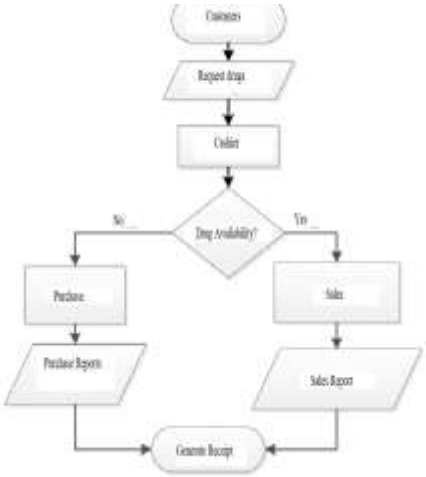

Fig.1. Proposed System Overview

First phase:

1.Admin Login

- Login and Logout by Admin
- Home Page Showing all the Products
  - Display List of medicines
  - Display available stocks of medicine
  - Restock medicine when its below 50
- Manage Medicine Categories
- Manage list of medicines
- Manage Stocks of medicines
- Transaction
  - Point of sale
  - Payment
  - Generate Receipt
- Sales
  - Display sales of medicine with date
  - Print transaction report of medicine
  - View sales receipt of medicine
  - Print sales receipt of medicine
  - Delete sales transaction
- Manage Users
- Manage Account Credentials

Second phase:

1.Cashier Login

- Login and Logout by Cashier
- Home Page
  - Display List of medicines
  - Display available stocks of medicine
- Transaction
  - Point of sale
  - Payment
  - Generate Receipt
- Sales
  - Displays only transaction processed by the cashier who has logged in
  - Display sales of medicine with date
  - Print transaction report of medicine
  - View sales receipt of medicine
  - Print sales receipt of medicine
- Manage Account Credentials

IV. CONCLUSION

The Pharmacy's POS application developed using PHP will help the pharmacist and the owner to keep track of their transactions without any pen and paper involved .It makes the work easier to record the huge number of transactions into the database without any loss of data. This application was developed concerning the issues faced by the pharmacist to maintain the data of the purchase and the transactions so that the sales activity can be tracked when required. The customers are also given with the receipt of transaction once the receipt is generated.

V. FUTURE ENHANCEMENT

From future point of view, we would like to extend Pharmacy's POS project by adding few images for the medicines we use in the application which makes it easier for the cashier to identify the product with accordance to the name of the drugs and a payment gateway can be included securely to the project which enables the customers to pay online and does not involve cashier in tendering the change to the customers. We can add user module to the project which reduces the task of cashier and helps the customer to choose and buy medicines that are required by them and then proceed the medicines for buying which can be delivered to their address mentioned by them during the sign up process.

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