MEDICAL STORE MANAGEMENT SYSTEM

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Abstract : In this project I have deployed a Medical Store Management System as a Web App using PHP and MySQL. This particular project deals with the problems on managing a medical shop and avoids the problems which occur when carried manually. The Medical Management System is a windows-based software designed for registration and management of patient's records and easy access of the records. The system will be used to assist the register, doctors, lab technicians to store and manage patient records in hospital or clinic for easier access and reference. All these activities are done routinely and would be cumbersome on the employees if done manually hence need of an efficient easy to use management software that will help case the work load on employees in clinic/hospital

***IndexTerms* - Register, Manage, Access, Reduced Workload.**

I. INTRODUCTION

This Medical Store Management System is web based application, so multiple user can work on the system at the same time. This is nice project for your education purpose. If you want to learn How to build web application in PHP step by step, then this is best PHP Project in which you can learn lots of things regarding how to build big web application in PHP. In this Medical Shop Management System Project there are many modules like Medicine Category module, Location Rack module, medicine company module, medicine supplier module, medicine purchase module, medicine module and medicine module. By using this project User can easily manage the inventory of their medical store easily and generate medical sales bill also. Their whole medical store data will store in centralized system. So from one location they can easily track the total sales, total purchase data, in stock medicine data and out of stock medicine data in single click.

II. MOTIVATION

The purpose of the Medical Management System is to automate the existing manual system. This system also enables the workforce of the medical store to offer their services in a manner which is more efficient and systematic which also improves the medical store. This also helps in analyzing the performance of the store.

The pharmacy management system is built for the sake of ensuring effective and clear data saving and manipulating as well as neat work on the pharmacy medical products. This refers the pharmacy a management system project will highly minimizes time and resource by which, searching the medicine data you can get the data in quickest time. Almost the resources are wise used since most action are done on the pharmacy system.

Some of the resources minimized include paper, manpower and related things .The other thing is for storing data in secure way.The real motive to make the medical management system is to make it more secure and trustworthy. To reduce number of errors which are essential in medicine field. The bills can be store for long time as well as the quantity of medicines can be displayed to be found easily.

III. LITERATURE REVIEW

The project was created with the help of python, Django, HTML, and CSS. This project only includes the consumer side. All administration, including sending, receiving, and viewing messages, is handled by the user side. User participation in the forum conversation. One of this forum chat's key features is that students can quickly get answers to any questions they may have. The forum chat makes it possible for people with similar interests to interact, ask questions, exchange stories, and gain knowledge from one another 03/March-2023[1]

The pharmacy management system is built in order to replace manual based system to computerize. Here system is expected to be efficient, useful and affordable on implementing tasks that is instructed by the pharmacy manager. Software do all things in pharmacy like sale , insert new incoming goods, make bills, calculate taxes, and debt, also compute employees salaries, give information about products, make different statistics as best month to sale some product via provide charts, also manage employees work.2021[2]

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IV. METHODOLOGY

The methodology for implementing the Medical Store Management System involves several key steps to ensure its successful development and deployment. The following is a general outlineof the methodology:

1. **Requirement Analysis:**

The first step is to thoroughly analyze the requirements and needs of the medical store. This includes understanding the current manual system, identifying pain points,and determining the desired features and functionalities of the Medical-Store- Management-System

2. **System Design**

Based on the requirements analysis, a detailed system design is created. This includes designing the database structure, user interfaces, data flow, and system architecture. The design should address the specific needs of the medical store and incorporate industry best practices.

3. **Testing**

Once the development is complete, thorough testing of the system is performed. This includes unit testing of individual modules, integration testing to ensure proper communication between modules, and system testing to validate the overall functionality and performance of the MSMS. Bugs and issues

are identified and fixed during this phase.

4. **Deployment**

After successful testing, the Medical-Store-Management-System is deployed in the medical store environment. This involves installing the necessary hardware, setting up the software,and configuring the system according to the store's requirements. Data from the existing manual system may need to be migrated to the new system during this phase.

5. **Maintenance and Support**

Once the Medical-Store-Management-System is operational, on going maintenance and support are provided. This includes regular updates and bug fixes, addressing user queries and issues, and ensuring the system remains secure and reliable. Continuous improvements and enhancements may be made based on user feedback and changing requirements.

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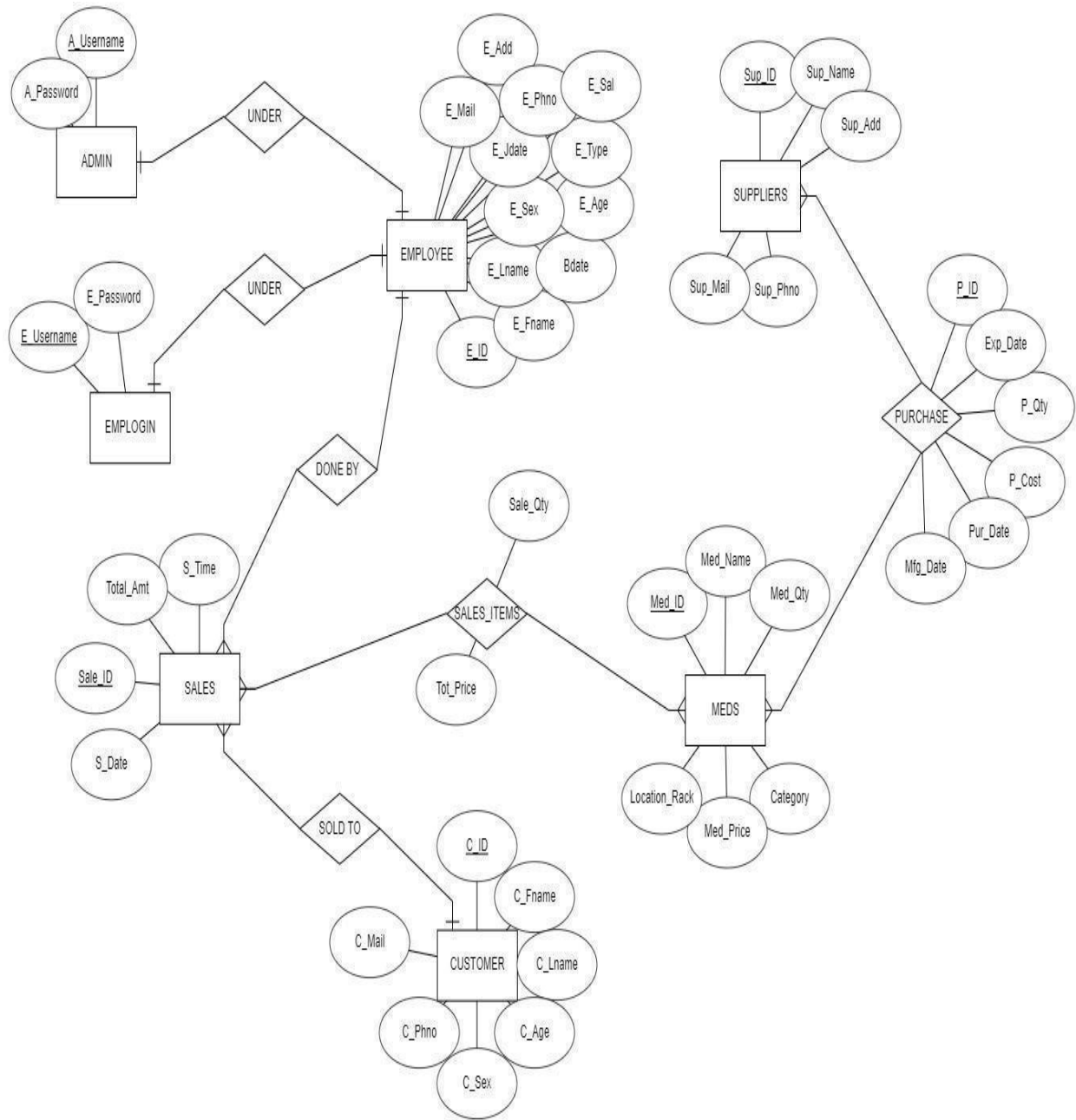
V. ARCHITECTURE

Fig. System Architecture

VI. SCOPE

The main objective of the Medical Store Management System is to replace the current manual system with computerized tools and comprehensive software. This automated system aims to meet the requirements of medical stores by efficiently storing and managing their valuable data and information

- **Database Design:** Design a database schema to store information such as medicines, customers, sales, prescriptions, suppliers, etc. Tables might include: Medicines, Customers, Sales, Prescriptions, Suppliers, etc.
- **User Authentication and Authorization:** Implement a login system for administrators, pharmacists, and possibly customers. Define different levels of access for each user role to ensure security and privacy.
- **Inventory Management:** Allow users to add, update, delete, and search for medicines in the inventory. Track quantities, expiry dates, suppliers, and prices of medicines.Implement alerts for low stock or expired medicines.Sales .References
- **Management:**Enable users to record sales transactions, including the medicines sold, quantity, price, and customer information. Calculate total sales, profits, and generate reports based on different criteria (e.g., daily, monthly, yearly).Provide options for refunds or returns.

VII. CONCLUSION

Medical store management is new in Bangladesh and globally. Education and technology always improve. It's crucial to know the latest medical store management system technology and how to train health staff in this field because of its impact on the individual, family, community, and nation. To conclude, more research is needed. Physical facilities and drug procurement analyses were insufficient.ABC or VEN/VED system analysis wasn't followed, and all physical facilities weren't met, indicating that the drug storage system wasn't suitable. Buffer stock should be estimated and kept separately in the medical store to prevent patient care interruptions. Drug management staff have no official training. Poor medical store management knowledge among staff. Pharmacy and shop management training is vital for store staff in health care facilities. The study shows that proper health care delivery systems do not prioritize medical store management in drug procurement, storage, and distribution.

VIII. REFERENCES

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