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DBMS LABORATORY WITH MINI PROJECT (18CSL58)

SYNOPSIS

On

"PHARMACY MANAGEMENT SYSTEM"

Submitted in partial fulfillment of the requirement for the curriculum of the 5th Semester

Bachelor of Engineering

In

Computer Science & Engineering

Submitted by

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2020-2021

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ABSTRACT

As we know that present generation pharmacies store a variety of medicines, due to advancement in medical research field. The details of purchasing drugs, audits, sell reports maintained on the paper while anyone can enter into the system and can make changes in these reports. There is no system which can alert the pharmacist about the end of the drugs.

The purpose of this Pharmacy Management System is to improve the maintenance and manipulation of the drugs in the medicals. It will make the system efficient by providing the more accurate details about drugs in the medical.

The objective of the Pharmacy Management System is to manage information of various patients and their corresponding doctors, medicine dealers, medicines and purchases.

The design of the pharmacy management system is based on the computer which will simplify the maintenance of the information, accessible and efficient. It will provide the information about the end of the drugs in the medical so that the pharmacist can order the drugs before the end. The pharmacist will get accurate results at the time sell, about the details of the use of medicines. It deals with monitoring information about company and pharmacy.

The pharmacy management system will be used to minimize the time and resource by maintaining the details of the drug, customers, dealers systemically so that the data can be used in possible quickest time, and hence increasing accuracy and decreasing the burden on pharmacist.

INTRODUCTION

OVERVIEW:

The purpose of Pharmacy Management System is to automate the existing manual system by the help of computerized equipment and full-fledged computer software, fulfilling the requirements, so valuable information can be stored for a longer time with easy accessing and manipulation. It will help organization in better utilization of resources, which means one need not be distracted by information that is not relevant, while being able to reach the information.

In this project, there will be a login page where the user can login with a valid username and password. Once he has logged in, he will have access to information about the customers who purchased the medicines, dealer from where the medicines are bought, variety of medicines available in the pharmacy. The information about the customer will include his/her personal details like name, phone number, date of birth, medicines he purchased and the quantity, price, date of expiry of the medicines, etc. The information about dealer will include dealer name, phone number, address etc. The information about medicines will include the name of the medicine, stock available, mg of medicine, date of manufacture, date of expiry, categories, etc. The system will also include the place where each medicine is stored in the pharmacy, to reduce time and effort of the pharmacist.

The system will also provide notification when the medicines are nearing to reach its expiry date, so that there will be no faulty selling of expired medicines. The system will also notify the user about the stock end of the medicines before the medicines are getting out of stock, so that required medicines are available all time in the pharmacy.

The application is reduced much as possible to avoid errors while entering data. The system is user friendly, can lead to error free, secure, reliable and fast management system, thus helping organization in better utilization of resources.

Thus the system provides simple status and resolutions, robust database backend, accuracy in work, easy and fast retrieval of information, work becomes very speedy. And thus it will reduce manual work of pharmacist, time, resources, and remembrance of places of medicines.

PROBLEM DEFINITION:

As due to a lot of medicines, vaccines, etc are being invented due to outburst of new diseases, so the capacity of the pharmacies are also increasing day to day. So the pharmacies also need to provide all available medicines required to cure different diseases. So as the pharmacy increase their stock of medicines then even the overhead on the pharmacist also increases proportionally. As he is the one who will have to store medicines, keep a check with expiry date, keep up with stock etc. As details of purchasing drugs, audits, maintained on the paper is not a safe method .

The pharmacist faces problem in searching the products from the self as it is not an easy method to remember about the place of each medicine. There is no system which can alert the pharmacist about the end of the drugs.

The purpose of this Pharmacy Management System is to improve the maintenance and manipulation of the drugs in the medicals. The pharmacy management system will be used to minimize the time and resource by maintaining the details of the drug systemically so that the data can be used in possible quickest time. It will make the system efficient by providing the more accurate details about drugs in the medical. While the resource which is minimized are workforce, money, papers, etc.

The system is user-friendly and will help the pharmacist. This Pharmacy Management System will reduce the burden on pharmacist and will make the system efficient.

OBJECTIVE:

The main objective of the Pharmacy Management System is to manage information of Medicines, Doctors, Customers, Dealer. It will be used to minimize the time and resource by maintaining the details of the drug systemically so that the data can be used in possible quickest time. While the resource which is minimized are workforce, money, papers, etc. The system is user-friendly and will help the pharmacist. It tracks all details about stock, company. The system can be used to automate the process of manually maintaining records related to maintaining stock and liquid flows.

SCOPE OF THE PROJECT:

The Pharmacy management system is helpful in perfectly collecting and maintaining details about the dealer, customer, medicines, pharmacy. In a very short time the collection is obvious, simple and sensible. It will help a person to know management of passed year perfectly and vividly. It will reduce the cost of collecting the information and collection procedure will go on smoothly.

The system is used to assist staff in capturing effort spent on their respective working areas. It utilizes resources in an efficient manner by increasing their productivity through automation. The system satisfies user requirement. It is easily understood by user and operator. It is easy to operate. It has good user interface and it is expandable.

Therefore by easy collection and maintenance of information of the drugs, dealers, customers the pharmacist does not need to worry about maintenance of drugs, dealers, customers, etc manually. He also need not worry about the expiry date of drugs, and place where it is stored.

SOFTWARE & HARDWARE REQUIREMENTS

SOFTWARE REQUIREMENTS:

OPERATING SYSTEM: Windows 10
FRONT END LANGUAGE: HTML,CSS,PHP,JAVASCRIPT
BACK END LANGAUAGE: MySQL/SQLite

HARDWARE REQUIREMENTS:

PROCESSOR: Intel
RAM:1 GB
HARD DISK:20 GB

PROPOSED METHODOLOGY

The design of the pharmacy management system is based on the computer which would make maintenance of information efficient, simple, and easy. The system will store and maintain information about dealers such as name, contact number etc, medicines such as name, mg, quantity, etc, customers such as contact number, name. The Pharmacy Management System will provide the information about the end of the drugs in the medical so that the physician can order them drugs before the end. The pharmacist and nurses will get more accurate results at the time sell, about the details of the use of medicines so that the system will become more reliable to use than the present system. The records of each work will be secure as to access the information the user must have to provide the ID and password in the system.

The system needs to store information about entry of new drug if in stock. This system can overcome all limitations of existing manual techniques. The system provides good security and accuracy to data. It provides greater efficiency, better service, user friendly and saves time.

PROCESS DESCRIPTION

NAMES OF MODULES:

- **Login Module**
- **Drug Module**
- **Drug manufacturer Module**
- **Customer Module**
- **Pharmacist Module**
- **Doctor Module**

DESCRIPTION OF MODULES:

Login Module:

In this module the pharmacist will get the access to the system. They will need to provide the information about the user ID and the password. If the user ID or the password is invalid then the user will not be able to gain access to the information. Once the user ID and the password is valid then the user will be able to access the information about the medicines, customers, etc.

Drug Module:

In this module the database would store information about variety of medicines available in the pharmacy. The information about each medicine will include the name of the medicine, stock available, mg of medicine, date of manufacture, date of expiry, categories, etc. Here the user will be able to search a required medicine based on its name or id and get the required information related to the medicine. The user will also be able to add a new medicine or remove an existing medicine from the database.

Drug manufacturer module:

In this module the database would store information about the different drug manufacturers who are supplying drugs to the pharmacy. The information will include different drug manufacturer name, phone number, address, etc and also the detail about medicine bought from the drug manufacturer. In this the user will be able to fetch the information about the drug manufacturer. The user will also be able to add a new drug manufacturer or remove an existing drug manufacturer from the database.

Customer Module:

In this module the database would store information about different customers who purchased medicines from the pharmacy. The information about the customer will include his/her personal details like name, phone number, date of birth, medicines he purchased and the quantity, price, date of expiry of the medicines, etc. The user will be able to retrieve information about each customer. The user will also be able to add a new customer or remove an existing customer from the database.

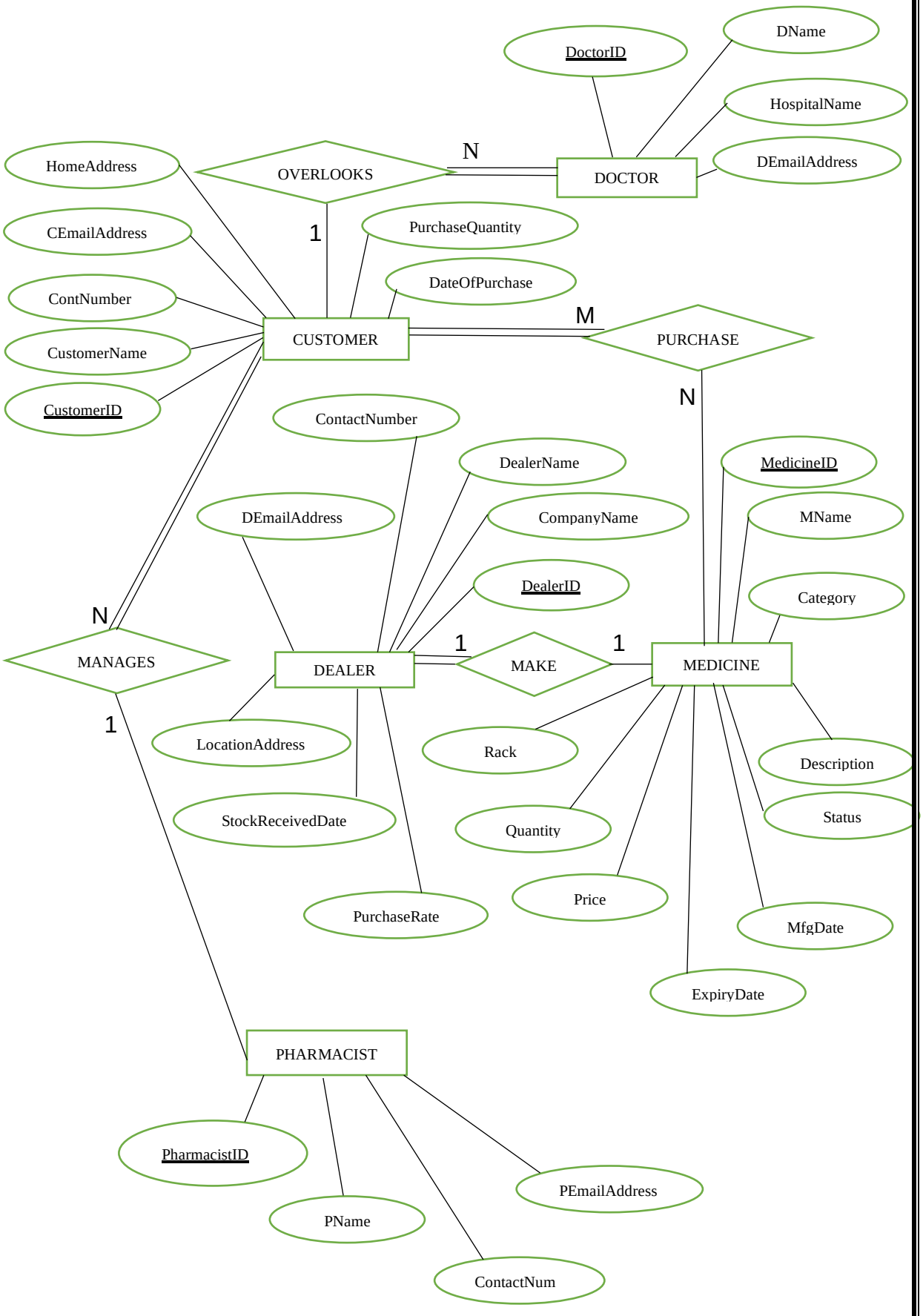
Pharmacist Module:

Here the database would store information about the pharmacists working in the pharmacy. The information about the pharmacist will include his/her personal details like name, phone number, date of birth, email address etc. The user will be able to retrieve information about each pharmacist. The user will also be able to add a new pharmacist or remove an existing one from the database.

Doctor Module:

In this module the database would store information about different doctors whom the customers visited. The information about the doctor will include his/her personal details like name, hospital name, email address, and the customer treated. The user will be able to retrieve information about each doctor. The user will also be able to add a new doctor or remove an existing one from the database.

ER DIAGRAM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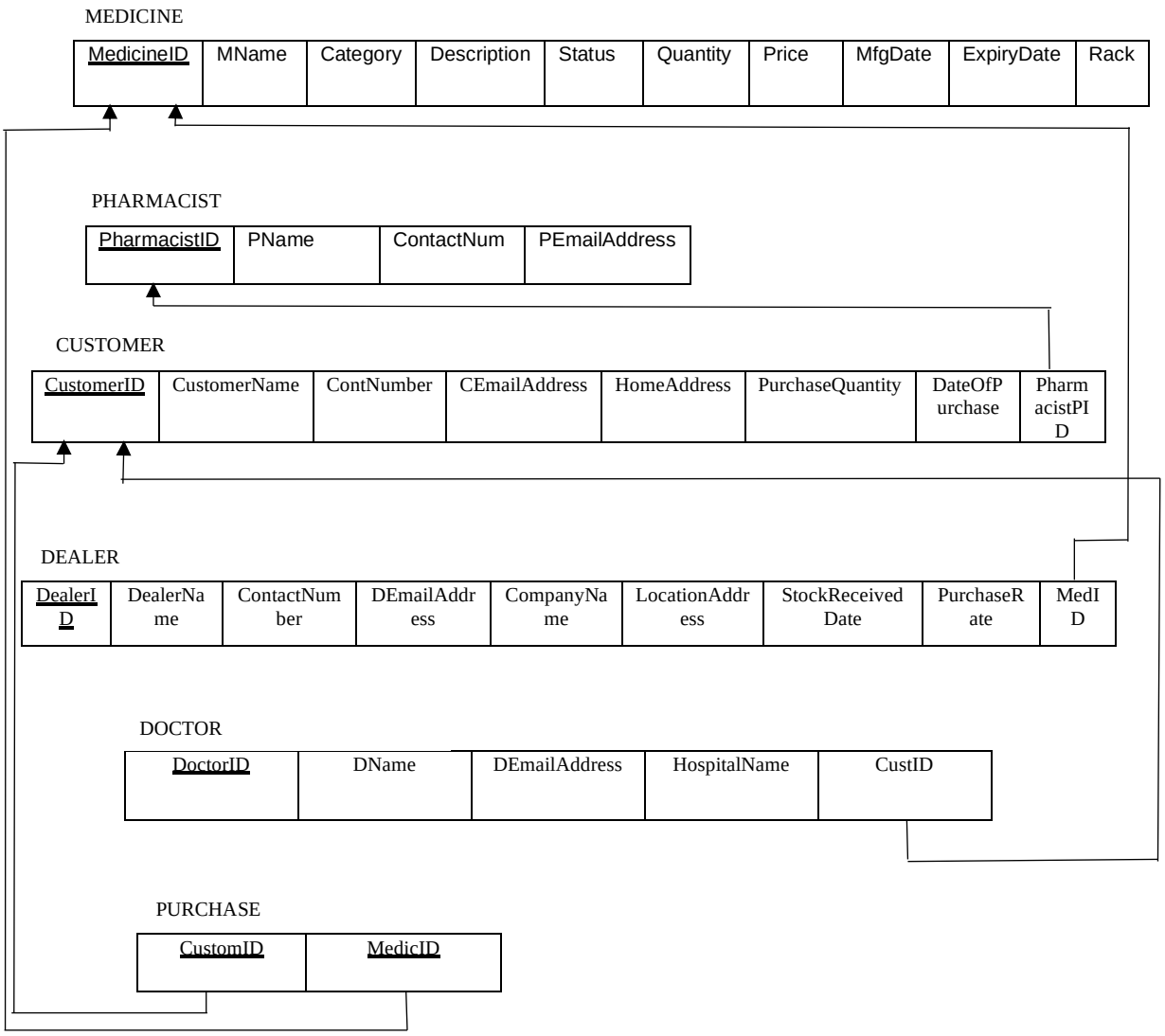
SCHEMA DIAGRAM



OUTCOME OF THE PROJECT

With this project, storing information and maintenance of drugs in the pharmacy will be eased to a very great extent. It will minimize the time and resource by maintaining the details of the drug, customer, etc systemically so that the data can be used in possible quickest time. This Pharmacy Management System will reduce the burden on pharmacist of manual storing, updating information about the dealers, drugs, customers. And it will give an alert when a particular drug stock is about to end.. The sensitive data will be safe and accurate with implementation of this system.

Here we conclude that the Pharmacy Management System will satisfy all the needs of a pharmacy.