A MINI PROJECT REPORT

ON

"SIMPHARM: EFFICIENT PHARMACY SYSTEM"

Submitted to

Department of Computer Engineering

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ABSTRACT

The Pharmacy management System is one of the most used and important tool used in day-to-day life. The main aim of developing this application is to ease the work of Pharmacist and provide them state of the art facilities which help them to carry out their transaction without any inconvenience. The user can post requirement for medicine. User can purchase medicine. The prescription is mandatory for ordering medicine. The bill will be displayed at the end of every transaction, thus facilitate user with latest stock of required medicine. As per the prescription, the user can search medicine and useful information. This application provides information for daily consumption of medicine. This application provides user login to the customer. And admin can get the all expired medicines information and he can able to see all orders information of clients.

INTRODUCTION

In our day-to-day life we come across many situations where we have to deal with many situations. But among all health is primary and thus every area related to it is important may it be precaution, hospital or prescribed drugs. When it comes to medicinal part, its efficient use and managing the part becomes difficult and hence for this problem we made efficient management of pharmacy. Dealing with medicine is crucial part and having proper records with hands on data is very important. Details of drugs, its manufacturing date and etcetera plays vital role and hence they are mentioned here with utmost importance.

Chemists often deal with mismanagement of medicine and it leads to various consequences such as dumping costly medicines and shortage of medicine. Considering all these factors and by eliminating those we came up with this application. It is a robust application which provides every utility needed for the management of medicine. Application is easy to understand, provides every feature with a proper control over it. Hence it is useful for maintaining silos and use them effectively. If user faces shortage of medicine he can add and fulfil the need simply and respective database is properly maintained. The primary focus of the application is to ease the maintenance and provide every feature to the user and we ensured to serve that every need of user.

With the invention of new technology and newer and powerful drugs, the responsibility has moved towards the use of advanced application from traditional paper-based billing. In India there are many medical stores which uses paper-based billing and they don't have facilities to ensure the stock and maintenance of medicines. The main reason behind this is they fear of technology but for this we came up with the simple yet effective management of the managing medicines

SCOPE

Pharmacist is employed in regulatory drug management, hospital pharmacy, pharmaceutical industry and various other industries. In all these industries they have to make sure that there is optimum supply of medicines and management of various valuable drugs and make sure that drugs are being updated and expired drugs should be out of the supply. Thus, the scope of the application works on this very area. Regulations and proper control over this make a check on entire cycle and thus facilitate easy going of medicines from manufacture to patient.

REQUIREMENTS

SOFTWARE REQUIREMENTS

The Tools we have used in developing the system is

- MySQL
- Java

HARDWARE REQUIREMENTS

- Personal Computer
- At least 2 GB RAM
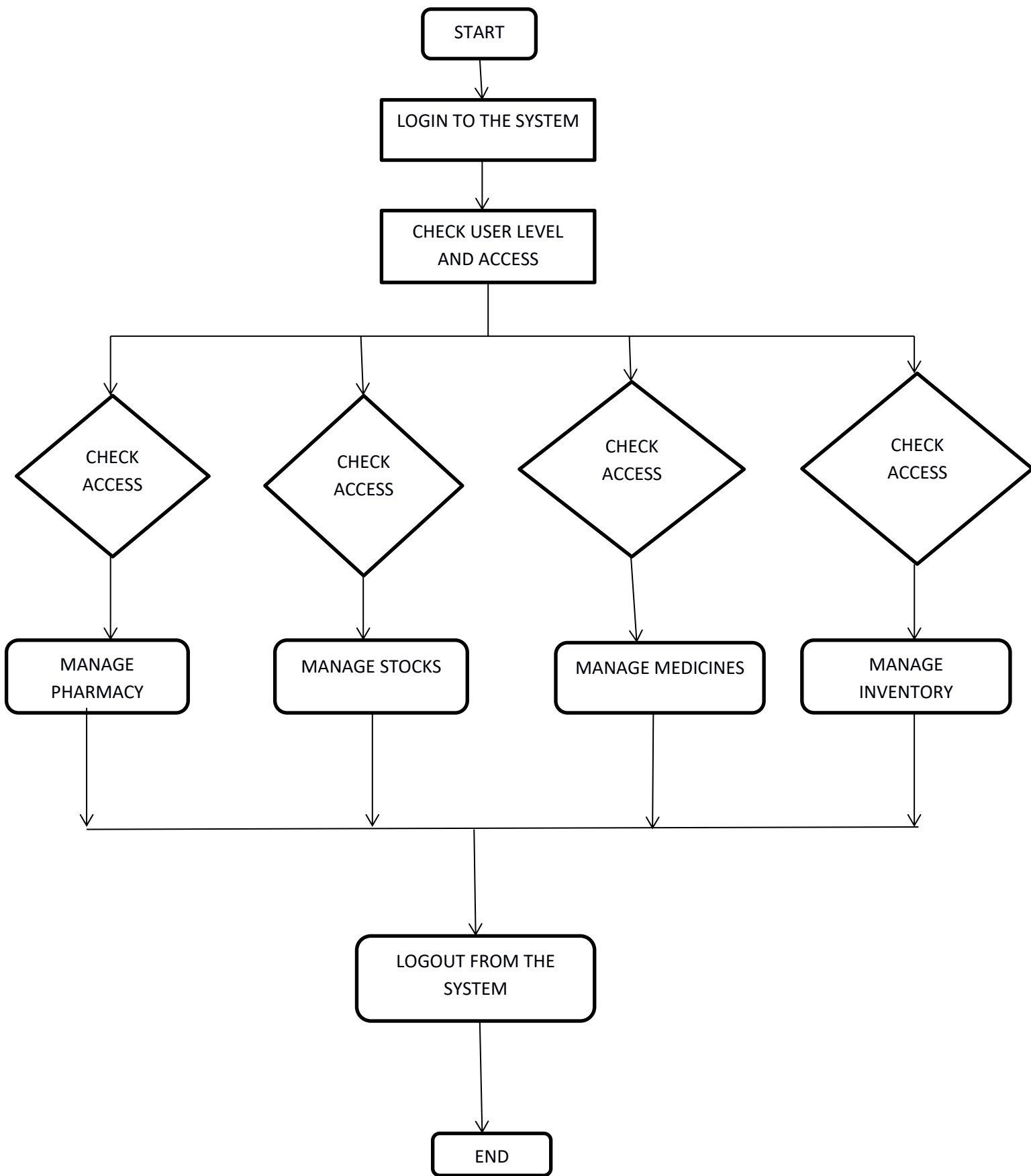- A good Hard Disk
- A good Processor

START

LOGIN TO THE SYSTEM

CHECK USER LEVEL AND ACCESS

CHECK ACCESS

CHECK ACCESS

CHECK ACCESS

CHECK ACCESS

MANAGE PHARMACY

MANAGE STOCKS

MANAGE MEDICINES

MANAGE INVENTORY

LOGOUT FROM THE SYSTEM

END

Fig 1.0.0 SYSTEM ARCHITECTURE
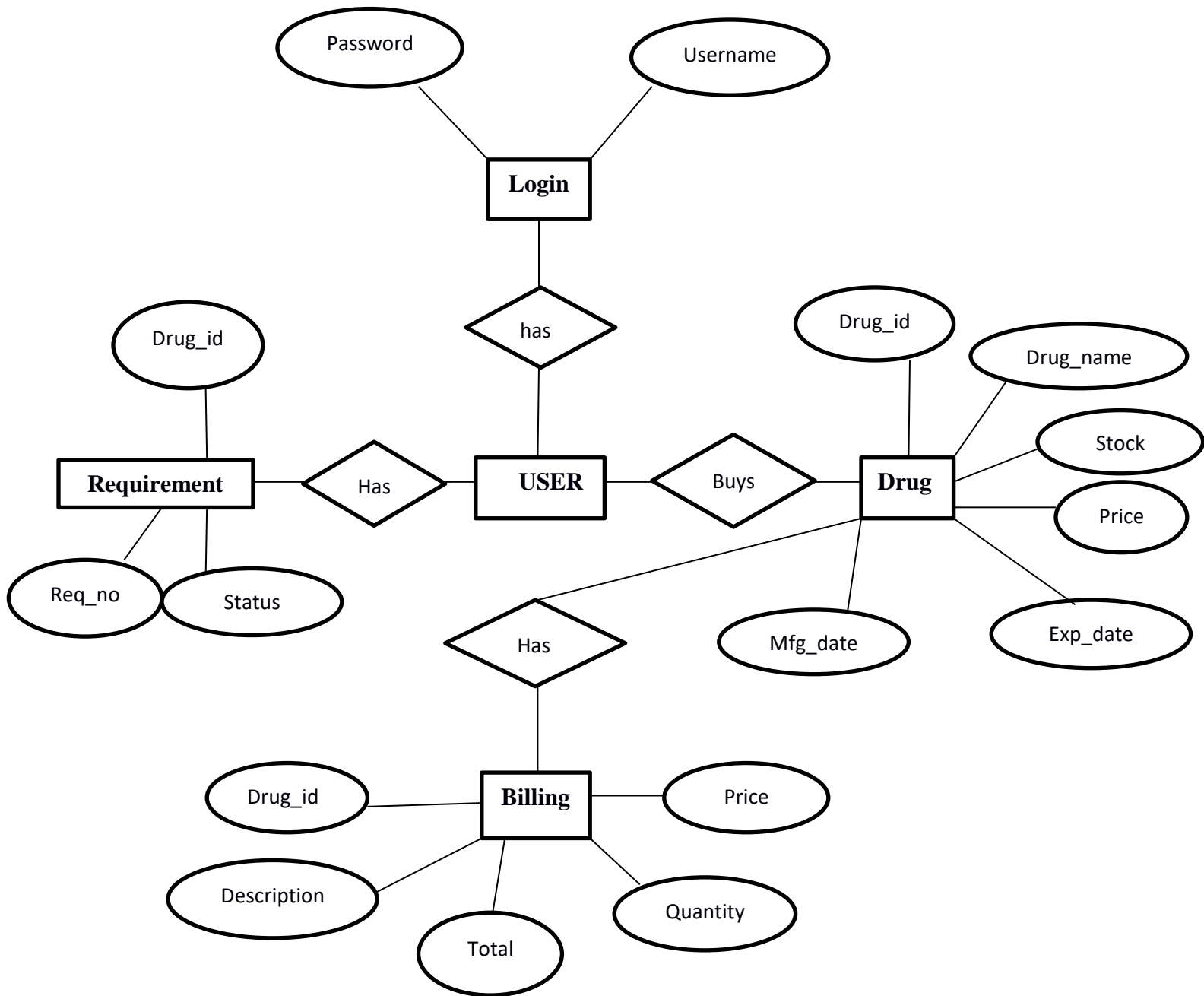
DATA MODELING FEATURES

Fig 1.0   ER DIAGRAM OF SIMPHARM

SAMPLE SCREEN SHOTS OF GRAPHICAL USER INTERFACE

Fig. 1.1Login page

Fig 1.2   After login user will redirect to this Page

Drug_id	Drug_name	Price_per_unit	Stock	Mfg_date	Exp_date
16	Paracitemol	100	600	2019-02-02	2050-02-02
17	Crocin	20	810	2019-02-02	2050-02-02
18	Xynax	40	70	2019-03-22	2022-04-11
19	olsar20	20	500	2018-04-14	2022-04-14
20	Detol	30	540	2016-09-30	2020-03-10
21	a	11	100	0001-01-22	0002-02-22

Stock   Add New ...   Next

Fig 1.3 Medicines available in the store are displayed

Fig 1.4 If the drug is not available then new medicine can be added

Fig 1.5 If new drug is added then its information is recorded

Complaint_no	Drug_id	state
1	16	Out of Stock: Paracitemol
2	17	Out of Stock: Crocin
4	17	Out of Stock: Crocin
5	21	Out of Stock: a

Add Stock   Back

Fig 1.6   Status of medicines is displayed (Available or Out of stock)

Fig 1.7 The medicine selected is drawn to the next page for billing

Drug_id	Description	Quantity	Price	total
17	Crocin	50	20	1000
18	Xynax	60	40	2400

TOTAL BILL AMOUNT IS 3400

Back   Print Receipt   Logout

Fig 1.8 The final bill produced is displayed and exported as PDF

CONCLUSION

Pharmacy management system is a software which handle the essential data and save the data and actually about the database of a pharmacy and its management. This application helps in effectively management of the pharmaceutical store or shop. It provides the statistics about medicine or drugs which are in stocks which data can also be updated and edited. It works as per the requirement of the user and have options accordingly. It allows user to enter manufacturing as well as the expiry date of medicine placing in stock and for sales transaction. This software also has ability to print the bill and invoices etc. The records of supplier's supplies can also be saved in it. There is other function available too. The main purpose is effectively and easily handling of pharmacy data and its management.

FUTURE SCOPE

Medicines are vital for every human being and hence their care is must. Its proper care and managing them according to their importance and diseases that can be cured through them are certainly very important. Thus by eliminating the traditional method of pen and paper based keeping record can be cured through this easy and robust application. Most of the pharmacy stores can now bring this software in practice.