

# Pharmacy Management System

## ICT 222 System Analysis

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Project	Pharmacy Management System
Project Title	Preparing Analysis Document for year 2 semester 2 project
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### Identify Main Process & Its Sup process – Activity

#### **Module 1 – Drug Management**

1. Category
2. Items
3. Stock
4. Shelves
5. Search

#### **Module 2 – Registration**

1. Employee Registration
2. Supplier Registration

#### **Module 3 – Payment**

1. Payment for employee
2. Payment for supplier

## **Problem of the System**

The current Pharmacy system is a paper-based system in which all data recordings of different processes were done through the manual process using the book of accounts and files. This type of system needed a lot of paper works and manpower requirements rather than the main task of selling medicines in the Pharmacy.

Since all the records are available in manual modes such as books or files, it is taking too much time to search the availability of drugs based on the prescription, and then the customer has to wait more time to complete the order. Hence, the pharmacy is unable to meet customer requirements on time. The billing process is also being done manually. The cashier has to search the prices of each and every drug from book records and then the bill or invoice is prepared by hand and then hand over to the customer for payment. Also, the pharmacy is unable to inform customers about the prices of different medicines quickly before finalizing the order, because those are paper-based.

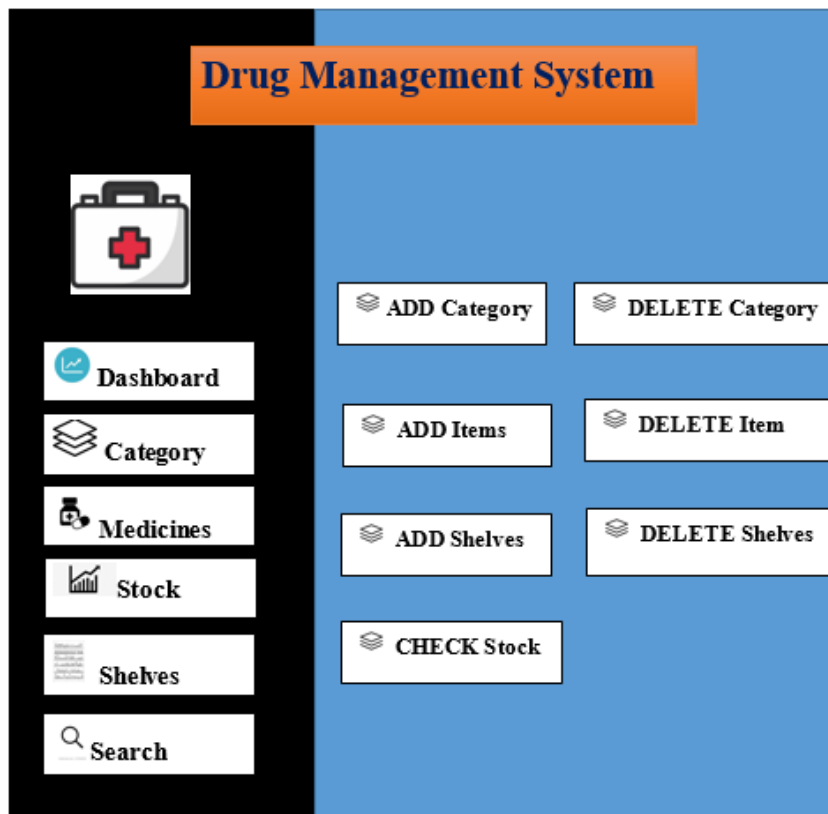
Drug inventory management is very important in the pharmacy industry. Most of the pharmaceutical shops are unable to maintain a proper drug stock position because of this paper-based system. It is hard to find the availability of particular drugs based on customer requirements because they have to search everywhere not only the inventory books but also on the racks and drawers of medicines. This type of data recording incurred more loss to pharmacy shops because they are unable to maintain proper stock position based on customer orders from time to time.

## **Solution**

Considering the above problem, it is important to introduce a Automate Pharmacy Management System for the smooth functioning of pharmacy shops. Unlike in the current traditional system where all records were maintained manually by handling paper-based, the new system maintains records in a database. Drugs/Medicines are the main items in the pharmacy. Suppliers Companies are supplying those drugs to pharmacies. After supplying those drugs, the relevant data should be inserted into the database accordingly. So the pharmacy staff is able to store those drugs in the same order in the database. It is easy to check the stock position and drug availability using this System within few seconds. If any customer asks about a particular type of drug item, they can easily produce drug details under this System.


When a customer comes to buy medicines with a prescription that order can be handled easily by using this System by maintaining customer and order data in the database. Based on the customer request, the pharmacist checks the drug availability in the database and issues the relevant available drugs. Meantime drug stock position updated in the database accordingly. Here, the manager who is the owner of the pharmacy will be responsible to manage the record of the employee in the database. Each employee will be given a separate username and password.


## Interface Design





The interface for the Drug Management System features a dark sidebar on the left with a white medical bag icon at the top. Below the icon are six menu items: Dashboard, Category, Medicines, Stock, Shelves, and Search, each with a small icon. The main area has a blue background and an orange header bar with the text "Drug Management System". Below the header, there are seven buttons arranged in two columns. The first column contains "ADD Category", "ADD Items", "ADD Shelves", and "CHECK Stock". The second column contains "DELETE Category", "DELETE Item", and "DELETE Shelves". Each button has a small icon of three stacked books.


**Drug Management System**





 Dashboard


 Category


 Medicines


 Stock


 Shelves


 Search


 ADD Category


 DELETE Category

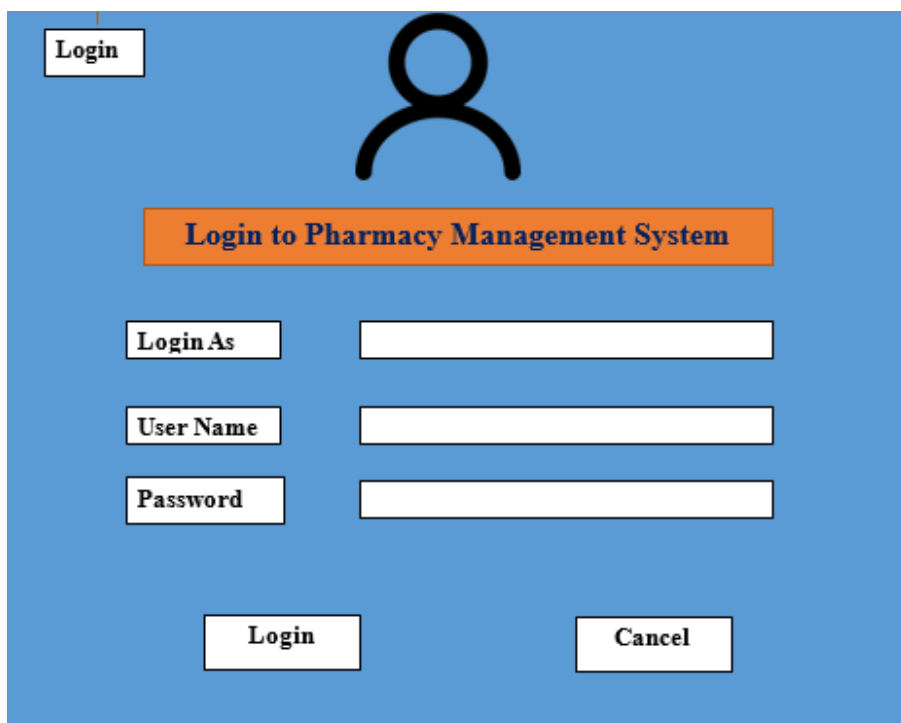
 ADD Items

 DELETE Item

 ADD Shelves


 DELETE Shelves

 CHECK Stock



The login interface has a blue background. In the top left corner is a "Login" button. In the top center is a large black outline of a person's head and shoulders. Below this is an orange header bar with the text "Login to Pharmacy Management System". Underneath the header, there are three input fields labeled "Login As", "User Name", and "Password". At the bottom, there are two buttons: "Login" and "Cancel".

**Login**



**Login to Pharmacy Management System**

**Login As**

**User Name**

**Password**

**Login** **Cancel**

## System Overview

The project I proposed Pharmacy Management that was developed to manage the inventory details of a Pharmacy. By this system we can manage employee details, supplier details, system info details, supplier payment details, category details, medicine details, stock details more efficiency. This pharmacy management system is mainly used by two types of users. They are Manager and Worker. At the first there is logging form to logging to the system. This is available to the Manager and User that are already have registered as a user. If the User id, password and user type are correct user can log in to the system. If user type is “Manager” that user can use the feature that are allowed to the administrators. But user type is “User” that user can’t get more feature that are allowed to the administrators. And also user type users are Pharmacist, Operator and Worker. After login to the system there is a main menu form and it has different privileges where can select the type of the registration. According to the system there are all 25 forms in the interface.

The Pharmacy Management system allows followings:

- ♣ Register a new Employee and Supplier
- ♣ Update and remove Employee and Supplier
- ♣ Details about employee and supplier
- ♣ Register a new Category, Medicine, Stock and shelves
- ♣ Update and remove Category, Medicine, Stock and shelves
- ♣ Report
- ♣ Add Payment
- ♣ Remove Payment

**Thank You.....**