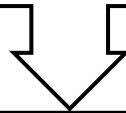




**L**OVELY  
**P**ROFESSIONAL  
**U**NIVERSITY

## Software Requirements Specification (SRS)



**ORGANIZING AND MAINTAINING THE MEDICATION USE PROCESS WITHIN  
PHARMACIES SRS**

**C++**



**SUBMIT  
TO  
Umindar  
Kaur**

"In partial fulfilment of the requirements for the Master of Computer Application".

### PREPARED BY

STUDENT'S NAME	ROLL NUMBER	REGISTRATION NO.
EKHLAKH AHMAD	RD2215B67	12209166

Lovely Professional University,  
Punjab(India)

# Table of Contents

1. Introduction.....	3
1.1. Purpose .....	3
1.2. Scope .....	3
1.3. Objectives.....	4
1.4. Overview.....	4
2. Current System.....	4
3. Proposed System.....	4
4. Functional Requirements.....	5
4.1. Generate report:.....	5
4.2. Store the necessary information of the drugs: .....	5
4.3. Searching Medicine and other data: .....	5
4.4. Alerting pharmacy data in the data: .....	5
4.5. Support multi language:.....	6
5. Non-functional Requirements: .....	6
5.1. Usability:.....	6
5.2. Reliability:.....	6
5.3. Performance: .....	6
5.4. User interface: .....	7
5.5. Operation: .....	7
5.6. Supportability: .....	7
6. Data flow diagram(DFD):.....	7
7. Use case diagram:.....	8

# 1. Introduction

Computers have great relevant on storing data's securely and ease access on them in short period of time. Pharmacy management system is being build. Pharmacy management system is robust, integrated technology. Pharmacy management system deals with the maintenance of drugs and consumables in the pharmacy unit. The set-up of this pharmacy management system will ensure availability of sufficient quantity of drugs and consumable materials for the patient.

In general, The Pharmacy management system is based on computer technology that gives service for users, managed by the pharmacist who give implementation of function relatively in effective times as well as will design for removing time wasting, saving resources, easy data access of the medicine, security on data input and data access by removing almost manual based system.

## 1.1. Purpose

- The pharmacy management system is built for the sake of ensuring effective and clear data saving and manipulating as well as work on the pharmacy medical products.
- And almost the resources are wise used since most actions are done on the pharmacy system.
- Some of the resources minimized include paper.
- The other thing is for storing data in secure way.

## 1.2. Scope

With the development of specific and potent synthetic drugs, the emphasis of the pharmacist's responsibility has moved substantially towards the utilization of scientific knowledge in the proper use of modern medicines and the protection of the public against dangers that are inherent in their use.

Pharmacists are employed in regulatory control and drug management, community pharmacy, hospital pharmacy, the pharmaceutical industry, academic activities, training of other health workers, and research.

### 1.3. Objectives

It is the user-friendly application for Pharmacist which reduces the burden and helps to manage all sections of Pharmacy like Medicine management and Billing etc., which improve the processing efficiency. It deals with the automating tasks of maintaining of Bills. In Pharmacy, Billing management is the key process. Including safe data store about medicine as well as fast searching, delete and update of medicines. The pharmacy management system is easy for use so the user can do pharmacy actions without ambiguities.

### 1.4. Overview

The pharmacy management system is built in order to replace manual based system to computerize. System to be efficient, useful and affordable on implementing tasks that is order by the pharmacy manager.

## 2. Current System

The current pharmacy system was manually base system which is almost all works on the pharmacy organization is accomplished by papers. Among this medicine data search in order to by, audit, and other related works. And the other one is data security; the data can be accessed anyone who entered to the pharmacy house as friends other Humans without the volunteer of the pharmacist.

The pharmacists work in tedious situation because of the upper reasons. Not efficient on arrange medicine on the shelf meaning arrangement method is difficult to take in mind.

In current system almost all pharmacies do not use computerized system but use computer for giving bills only for the sold medicine to the user.

The pharmacy system will implement by the pharmacy unit of the organization. At present, system is being utilized. This system requires the pharmacist to manually monitor each drug that is available in the pharmacy shelf.

### 3. Proposed System

The pharmacy management system is design based on computer science students in order to illuminate the problem of the current which provided by the system involved all the pharmaceutical employees of the pharmacy.

On the other hand, PMS enables dispensation process. It stores all the physicians' prescription of the patients.

## **4. Functional Requirements**

There are functions done by the system such as: store the necessary information of drugs, prepare bill for the medicine, give week reports, easily searching of medicine, working in two languages, Update, delete and save data of medicine.

### **4.1. Generate report:**

The pharmacy management system generates report weekly on information about the drugs and it exports the information as output documents.

### **4.2. Store the necessary information of the drugs:**

The pharmacy system stores the details information about each medicine including Actual name, formula of medicine and how it is importance and for which diseases is required. Since the information for each drug were required in some cases like the use of drugs, when use drugs and for whom is given.

### **4.3. Searching Medicine and other data:**

The pharmacy has easily searched of medicine which shows in which shelf is put and the behaviour of the medicine. The searching process is based on the name of the give data or the identification of the item.

### **4.4. Alerting pharmacy data in the data:**

Changing medicines to another because of medicine outdated, modifying the saved medicine data for incorrect data, deleting of data of the pharmacy can be done on the system.

#### 4.5. Support multi language:

The system supposed work on primarily in English and Amharic, so the user can use one of these languages.

- ✓ Store Medicine data.
- ✓ Search Medicine data effectively.
- ✓ Update, delete, and Edit medicine information.
- ✓ Generate report on medicine.
- ✓ Prepare bill for the medicine.
- ✓ Gives navigation or information for pharmacy organization.
- ✓ Give alert for the user when medicine item is low.
- ✓ Changing login password.
- ✓ Have the system document how to use the system

### 5. Non-functional Requirements:

#### 5.1. Usability:

- Which have the instruction menu how to use it which self-directive application then can be used the system without ambiguity.

#### 5.2. Reliability:

The pharmacy system is available based on the user needs, can work properly, and transactions efficiently including safe data management of the pharmacy. The pharmacist manager control over the system by login to the pharmacy system. Any user can't use the system but the guest user can see on general properties of the pharmacy and medicines without password. As result data is protected and controlled by only the administrator.

#### 5.3. Performance:

- The pharmacy management system operates its function in small amount of time which is less than two seconds and can be accessed by one user at a time or concurrently.
- For a service to be dependable, data servers must be accessible.

#### 5.4. User interface:

- The user interface is friendly which is easy to use.
- Users should log in before accessing the data.
- E-mail and a phone number, if a user is required.

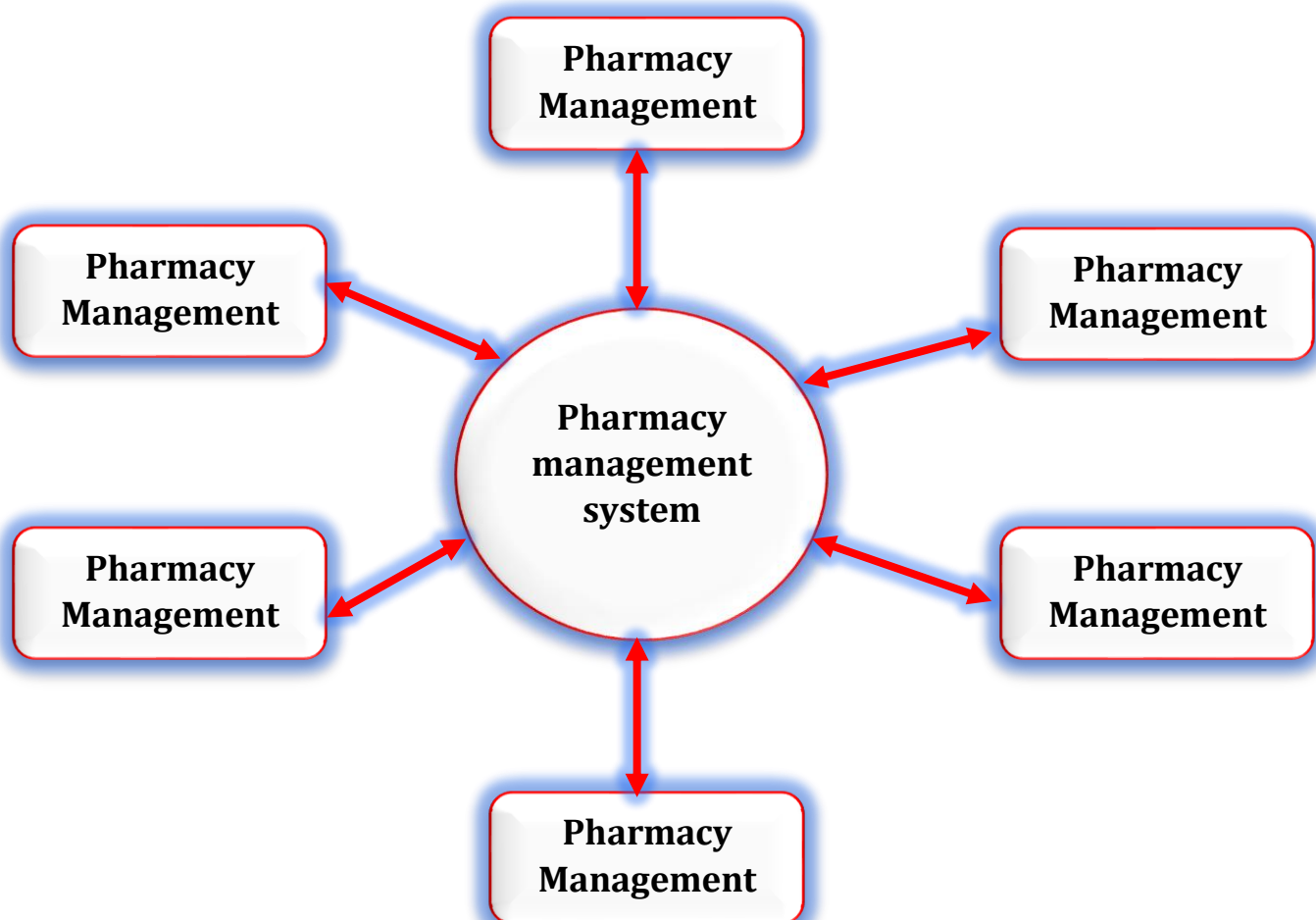
#### 5.5. Operation:

The pharmacy management system is operated and controlled by the pharmacy manager for safe work.

#### 5.6. Supportability:

This pharmacy system operates in any version of windows operating system. Such as windows XP, Windows-7, 8, 10 and 11

### 6. Data flow diagram(DFD):



## 7. Use case diagram:

