**Software Requirements Specification**

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# 1. Introduction

## Purpose

The purpose of this project is to develop a software for the effective management of a pharmaceutical

store that will be able to achieve the following objectives: Ensuring effective policing by providing

statistics of the drugs in stock Maintaining correct database by providing an option to update the drugs in

stock. Improving the efficiency of the system by ensuring effective monitoring of services and activities.

To provide optimal drug inventory management by monitoring the drug movement in the pharmacy.

To ensure that there exists a level of restricted access based on functionality and role.

To ensure that the system is user friendly.

To be able to generate report within a specified period of time

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## document conventions

The font type is Times New Roman and the font size is 16 for heading 1, 13 for heading 2, and 11 for normal text.

## Intended Audience and Reading Suggestions

The intended readers of this document are the developers of the site, website owners, managers . This

document is organized in such a way that any common people can understand and covers all the

important components of the project. Readers are requested to read the whole document and can also

refer any part of the document they want to with the help table contents. The contents of the document

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## project Scope

The scope of this project is limited to the activities of a pharmaceutical store which includes will

improving health outcomes, reduce hospital and long term care admissions, enhance access and care in

the Estate and surrounding communities and ensuring best use of resources, the use of a computer

based management system for improving the efficiency of a pharmacy is needed and it is an essential

part of any modern continuously evolving society. The system will not be able to handle drug

prescription, drug to drug interaction. The system will not be able to handle contraindication and poly

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## 1.5 References

1. Pharmacy SRS template

<https://www.studocu.com/my/document/universiti-tenaga-nasional/requirements-engineering/srs-pharmacy-management-system/40456838>

2. Software engineering book

<https://drive.google.com/file/d/1l7NqphLdJm9_nYkfsB95lQQ9AaVxHtyr/view?usp=sharing>

3. SRS template

<https://exinfm.com/training/M2C3/srs_template.doc>

2. Overall Description

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## Product Perspective

The pharmacy management system serves many purposes, including the safe and effective dispensing of pharmaceutical medicine.

During the dispensing process, the system will prompt the pharmacist to verify the medication they have

filled is for the correct patient, contains the right quantity and dosage, and displays accurate information

on the prescription label.

## Product features

The pharmacy management system assists with each of these practices and continues to store and organize information. The

technology in pharmacy should allow pharmacists to collect the information to make a plan and to

implement strategies that indicate the patient’s issues. PMS helps in scheduling patient’s appointments and

creates customizable forms for patients to fill their appointments .

It is a computer software system that is programmed with the ability to perform different tasks required to

operate a pharmacy. They make working easier and allow for the digital record stage and fast retrieval of

information. Medical technology is increasing day by day.

A pharmacy information system is used to reduce medication errors, report medicine usage, and increase

patient safety.

## Use classes and characteristics

Report:

Pharmacies interact with multiple patients every day, and data regarding each of these interactions are

stored within the pharmacy information system. Data may be used later for improving the business

strategy or it may be needed during a certification or inspection process.

The reports offer valuable insights into the operations in the pharmacy. It can be used to distinguish the

patients who visit the pharmacy frequently for refills, and this can be used to stock accordingly.

E-prescription:

Prescriptions are known to be illegible and this can cause confusion among patients and is also a

source of error in dispensing the right medicine. E-prescriptions provide a user-friendly option for the

patients and also reduce the risk of errors.

The electronic prescription feature can be used by the pharmacy to manage refills and allows doctors to

send the new refills directly into the pharmacy management system, allowing rapid dispensing of the

medicines. Apart from this, there will be no confusion in offering the right prescription between the

physician and the patient.

SMS and Notification:

With the use of a pharmacy management system, the pharmacist can schedule text messages to be

sent to patients intimating them before their prescriptions running out.

The patients can then let the pharmacist if they need a refill, simply by responding to the message. The

status updates let the pharmacist keep in touch with the patients, ensuring patient satisfaction.

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Multi-Store and Multi-Location Support:

The user can manage stores at multiple locations easily with a pharmacy information system.

Data about stock levels, sales, and returns from multiple stores can be viewed in a single software. Overall

reports for the entire chain of stores can be generated, giving the user a complete overview of profit,

loss, stock levels, etc.

User Management Module:

This feature allows restricted access to various users. Access to various features can be limited for

different users, for easy management. This authentication is classified into two conditions namely

Administrator User: The user can control the buying and selling process, list the medicines, view the

stock and perform other tasks. The user will be able to view the pharmacy list and the pharmacy map

easily. It plays an essential role in controlling the sales and stocks being processed every day.