Software Requirements Specification

Version 1.0

***June 22/6/2020***

***Pharmacy management system***

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# *1.0. Introduction*

## 1.1. Purpose

The purpose of this document is to present a detailed description of the Pharmacy management system. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate and how the system will react to external stimuli. This document is intended for both the stakeholders and the developers of the system.

## 1.2. Scope of Project

Developing an automated system to work in a clear and integrated way that allows organizing the process of managing the storage and dispensing of medicines, dealing with bills, and computerized accounting.

## 1.3. Glossary

|  |  |
| --- | --- |
| **Term** | **Definition** |
| prescription | A physician's order for the preparation and administration of a drug or device for a patient. A prescription has several parts. the inscription, which contains the names and quantities of the ingredients; the subscription or directions for compounding the drug; giving the directions to be marked on the container. |
| Database | Collection of all the information monitored by this system. |
| Software Requirements Specification | A document that completely describes all of the functions of a proposed system and the constraints under which it must operate. For example, this document. |
| Stakeholder | Any person with an interest in the project who is not a developer. |
| User | Pharmacist and his assistant. |

## 1.4. References

IEEE. *IEEE Std 830-1998 IEEE Recommended Practice for Software Requirements Specifications.* IEEE Computer Society, 1998.

## 1.5. Overview of Document

The next chapter, the Overall Description section, of this document gives an overview of the functionality of the product. It describes the informal requirements and is used to establish a context for the technical requirements specification in the next chapter.

The third chapter, Requirements Specification section, of this document is written primarily for the developers and describes in technical terms the details of the functionality of the product.

Both sections of the document describe the same software product in its entirety, but are intended for different audiences and thus use different language.

# *2.0. Overall Description*

## 2.1 System Environment

Figure 1 - System Environment

Pharmacist

System

Interface manegment

Store monitoring

Pharmacy management system

## The pharmacist has many responsibilities for managing the pharmacy. It is necessary to equip it with a computer system that gets him the ability to carry out all the tasks of the pharmacy (storing and organizing drug names, organizing research and accounting ....).

System To monitor the quantity and duration of medications.

## 2.2 Functional Requirements Specification

This section shows us usage cases for the Pharmacist , Assistant and the System.

The Pharmacist has two use case,

The System has two use case,

The Assistant has one use case,

### ***2.2.1 Pharmacist Use Case***

#### **Use case:** Search for medicines **:**

Pharmacist

Search medicines

**Brief Description**

The pharmacist searches for the name of the product within the system to give it to the customer, bearing in mind that some medicines are only given by prescription from a specialist doctor.

**Initial Step-By-Step Description**

1. Searching for the drug either by its name or the name of the manufacturer.
2. Show information of medicines that are identical or similar to the research, with information (price, manufacturer, expiry date).
3. Selecting the required medicine and entering the desired quantity where the program shows an alert when selecting these medications and an alert appears if the medicine has expired.
4. Show available medicine alternatives if the required medicine is not available.

**Xref:** Section 3.2.1,

### ***2.2.2 Pharmacist Use Case***

#### **Use case: Ordering medicines**

**Diagram:**

Pharmacist

Ordering medicines

**Brief Description**

The pharmacist requests the medicines from the repository if they exist ,or from the company if they are not available to him.

**Initial Step-By-Step Description**

1. Show the option to send the order via e-mail or a text message that allows the user to enter the name of the company to be sent to, stating the names of the medicines and the quantity they want.
2. Registration of bills after the arrival of the medicines: (the name of the product with his company, its price, the quantity received and the discount if it exists and the date of the order as it appeared in the receipt.
3. Enter the sum of the medicine bills purchased for the system to add to the bills paid in the month.

**Xref:** Section 3.2.2

### ***2.2.3 Assistant Use Case***

#### **Use case: Buying and selling report**

**Diagram:**

Assistant

Make reports

**Brief Description**

Reporting the buying and selling process for the inventory at the end of each month.

**Initial Step-By-Step Description**

1. Print the medicine bill that was purchased from the warehouse during the month.
2. Printing the total price of medicine and products sold to customers during the month.
3. Print a report showing his total profit for the month.
4. Show the total inventory report, which contains the names and quantities of the remaining medicines in the pharmacy, medicines sold and total profit.

**Xref:** Section 3.2.3