Software Requirements Specification

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**Pharmacy system**

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**1.0. introduction**

**1.1 purpose**

This document is intended to provide a detailed description of a pharmacy system. It will explain the purpose of the system and its features,The system's interfaces, what the system will do, the constraints under which it must operate and how the system will interact with external stimuli. This document Dedicated to both stakeholders and system developers.

**1.2. Scope of Project**

This software system will develop a system for automating pharmacy data, managing the pharmacy and providing a solution to fully and quickly optimize all major processes. Knowing that there is a ready-made network infrastructure for the required system to work on, in addition to other systems linked to this system. The system will meet the needs of the management process by displaying drug data and managing them from modification and other processes. It will facilitate the registration of sales and purchase invoices, and it will also register the stores and warehouses that the pharmacy deals with and all the accessories.

**1.3. References**

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

**1.4. Overview of Document**

The next chapter, General Description section, of this document provides an overview of the functions that the system performs. It describes informal requirements and is used to create context for technical requirements specification.

**2.0. Overall Description**

**2.1 System Environment**

 

Pharmacist Store



Customer 

The system has two active players and one collaborating system. The system is for the administration of pharmacy affairs, and we will present the tasks that must be provided by this system so that it meets all the needs of the pharmacist to improve all the main processes in the pharmacy system, including points of sale, purchase, inventory management and accounting, and provide adequate reports on all the processes that occur.

**2.2 Functional Requirements Specification**

**2.2.1A case of selling a drug to a customer**





Pharmacist Custo Customer

Brief Description:

The pharmacist records the customers sales invoice on the system

Initial description step-by-step:

1. The pharmacist records the drugs purchased by the customer.

2. List all required information from the number of parts, the price and the date of sale

3. The system gives a report on the number of drugs remaining upon withdrawal from each drug

4. Print a sales invoice for the customer

**2.2.2The status of registering an order for warehouses**



Store Pharmacist

Brief Description:

The pharmacist chooses the names of the drugs from the lists provided by the system and chooses the name of the store to which he wishes to send the order.

Initial description step-by-step:

1. The system puts the names of the drugs that are not in the pharmacy in a list

2. In another list, he puts the names of the drugs that are close to running out, such as if a piece or two remain

3. Displays the names of the store that Al Sadia deals with.

**2.3User Characteristics**

The pharmacist is expected to be familiar with the internet and be able to email orders to the requested warehouse.

It is expected that warehouses and stores will be aware of the Internet and be able to use email to receive orders from the pharmacy.

**2.4 Non-Functional Requirements**

A surveillance camera system associated with the pharmacy management system is required and the system is easy to use.

The pharmacist will work on his computer and have an Access database. Access is installed on the Windows operating system.

**3.0. Requirements Specification**

**3.1 External Interface Requirements**

We need manage databases for storage, an interface to receive and send requests on the Internet.

**3.2 Functional Requirements**

**3.2.1 Display drug data**

Trigger :The pharmacist enters all data into the system

Precondition: A table is displayed containing all the columns necessary for it

Basic path:

1-enter the name of the drug - the type of medicine - its price - its titer - the number of parts - the expiration date - (foreign or national).

2- He fills in all the columns

3- An alphabetical list of all medicines in the database.

4. The system creates and submits a list of all warehouses that the pharmacy deals with

Alternative path:

in step 3, 1. The drug arrangement can be chosen according to the producing company

2. Arranging the medicines of each company from the oldest to the latest according to the expiration date

3- Putting the medicines that are in great demand in a special schedule.

**3.2.2 Recording the purchase invoice from the warehouse**

Trigger :The pharmacist records all upcoming bills.

Basic path:

1. Develop an interface for billing

2. Arrange bills by date

3. Putting bills for each store separately

4- Record all necessary information (name of the substance - form of the substance - number - price of the drug - public price)

5. Display the names of all stores with phone numbers

**3.2.3 Recording a sales invoice for customers**

Basic path:

1. An interface to record invoices

2. Putting bills each day separately

3. Establishing monthly and annual bills

4. Recording of profit every week

**3.2.4 Recording of invoices returned (sale and purchas)**

In the event of any error in the invoices (an increase in the required number - a decrease in the required number - a change in the name of the drug) .. A returned invoice is printed containing only the medicine in which the error occurred.

**3.3 Detailed Non-Functional Requirements**

The pharmacist can specify the number of working hours on the system.

The system is subject to inspection and maintenance.

It is characterized by ease of use and management

The system does not exceed the consumption of RAM more than 2 GB, and the size after installation does not exceed 100 MB.