

Software Requirements Specification

Pharmacy Management System

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1) Introduction

This SRS document is about Pharmacy management system. We're working on an actual pharmacy system called ("elkheer"). So it's our main reference for the project as a whole.

1.1 Purpose

The purpose of this project is to build a solution for other Pharmacy management systems in order to encourage other pharmacies to use such systems to help improve their efficiency and accuracy.

1.2 Scope

This scope about manage pharmacy to achieve target of easy communication between manager and other entities whom interaction with system like customer or suppliers . in addition to do management operations like update , delete , add and search .

1.3 Reference

- https://www.google.com/search?q=non%20functio%20nal%20requirements%20of%20pharmacy%20management%20s%20ystem&source=lnms&tbm=isch&sa=X&ved=0ah%20UKEwiXyp_Q06feAhXGWCwKHSF1A7oQ_AUIDig%20B&biw=1350&bih=609&fbclid=IwAR28wRqphW5WXZMpsDXZAQIXiQsiG0-zL-K20GwBO0HD67QkCqV0tBXT5Q
- https://www.slideshare.net/HabtamuAsmare/pharmacy-management-system-requirement-analysis-and-elicitaiton-document?fbclid=IwAR2_VvecNHtLO10sdoSGLy1z0M64doWNzzSeqkH5OsKQRxPzYrPE02h3Wgo
- IEEE Template

1.4 Overview

The following sections of this document will cover the functionalities of the pharmacy management system and its development, the second section is covering the general description of the system, the system functional and non-functional requirements are covered in the third section, then the fourth section is covering the evaluation of the system and the suggested solutions for the current system, the last section will cover the appendices of the document and the index.

2) General Description

2.1 Product Perspective

2.2 Product Function

- Store Medicine data's
- Search Medicine data effectively
- Modify functions (add medicine, delete medicine, update medicine)
- Give alert for the user when medicine item is low
- Changing login password
- Add new data

2.3 User Characteristics

The users of the system include employee(pharmacist) and manager.

2.4 General Constraints:

This system will be designed and developed within a year, this system will be delivered by the end of 2019 this

system must be connected to the Internet so that users can handle the system

3) Specification Requirements

3.1 Functional Requirements:

- Request

The manager make order to source (supplier) to request medicine.

- Search

The manager search about specific medicine from medicines store.

- Get alarm

Send alarm to manager from medicines store when medicine limited decrease by specific rate.

- Add new data

Modify data medicines depend on daily sales.

- Modify

Collections of function deal with medicines store.

Divided into

1.Add medicine

Add new medicine to medicines store.

2.Update medicine

when one of medicines is decreased or expired manager send to request more of this medicine and add the new information to medicines store.

3.Delete

Delete the exploration medicine.

- Update

Add new data about sales to daily sales store .

3.2 Non-functional Requirements:

- Usability

Any familiar in using windows operation can operate the system since it has user friendly user interface, which have the instruction menus how to use it which selfdirective application then can be used the system without ambiguity.

- Reliability

The pharmacy system is available based on the user needs, can work properly, and do transactions efficiently including safe data management of the pharmacy.

For invalid and malfunctioned operation the system will restart in order to prevent data loose as well as safe operation within 5 seconds. The pharmacy system is password protected to change things on the system. Here the pharmacist manager control over the system by login

to pharmacy system. Any user cannot 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.

- 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 timer or concurrently.

To access the user must first login to the system which must have the pharmacy system privileged and also the system can store data up to 40GB data.

When the system may be busy due to malfunction operation it may wait up to one minute other ways the pharmacy system restarts.

- Security Requirements

1- Secure all Internet Access or Data Exchange with the Secured Socket Layer (SSL).

2- For data protection & privacy issues, the system shall not store Credit Card Number and Insurance Policy Number of a Patient.

3-Since patients' information is highly confidential, the system will be developed with special attention in terms of

system encryption, data acquisition, data backup and recovery, as well as security.

- Operation

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

4) Results

4.1 Evaluation of the current system

The current system is manual so everything is in slow progress and of course there are many mistakes in every manual process.

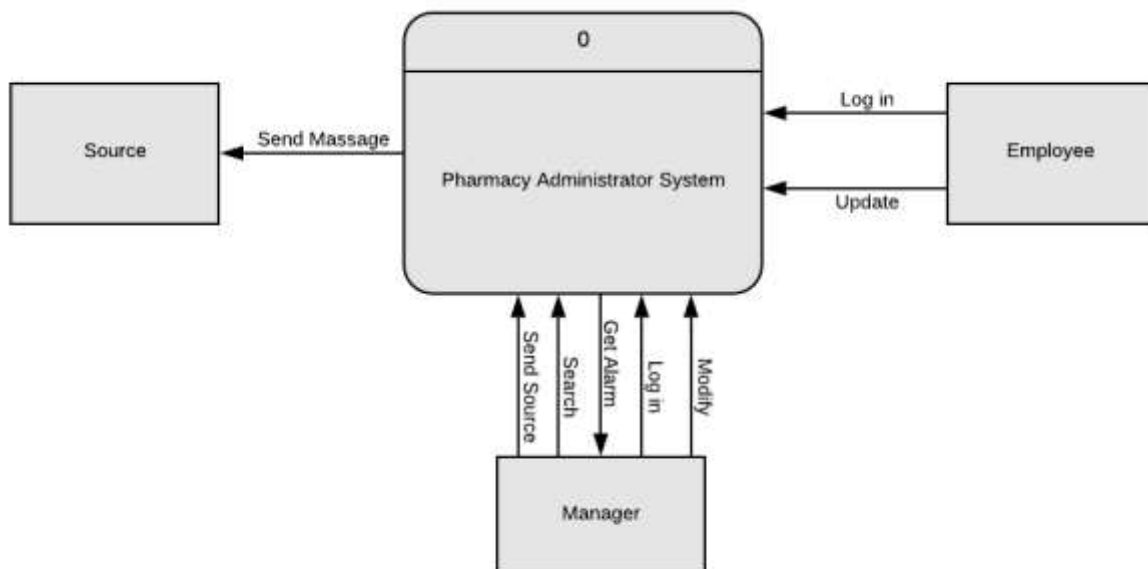
4.2 Problems of the current system and their solutions:

- System requires automatically products needed when it reaches a certain number.
- System checks automatically on the quantity of products
- System warns the admin if the products are about to reach an end and asks if he wants again or not
- System scan the staffs' ID's to record their attendance

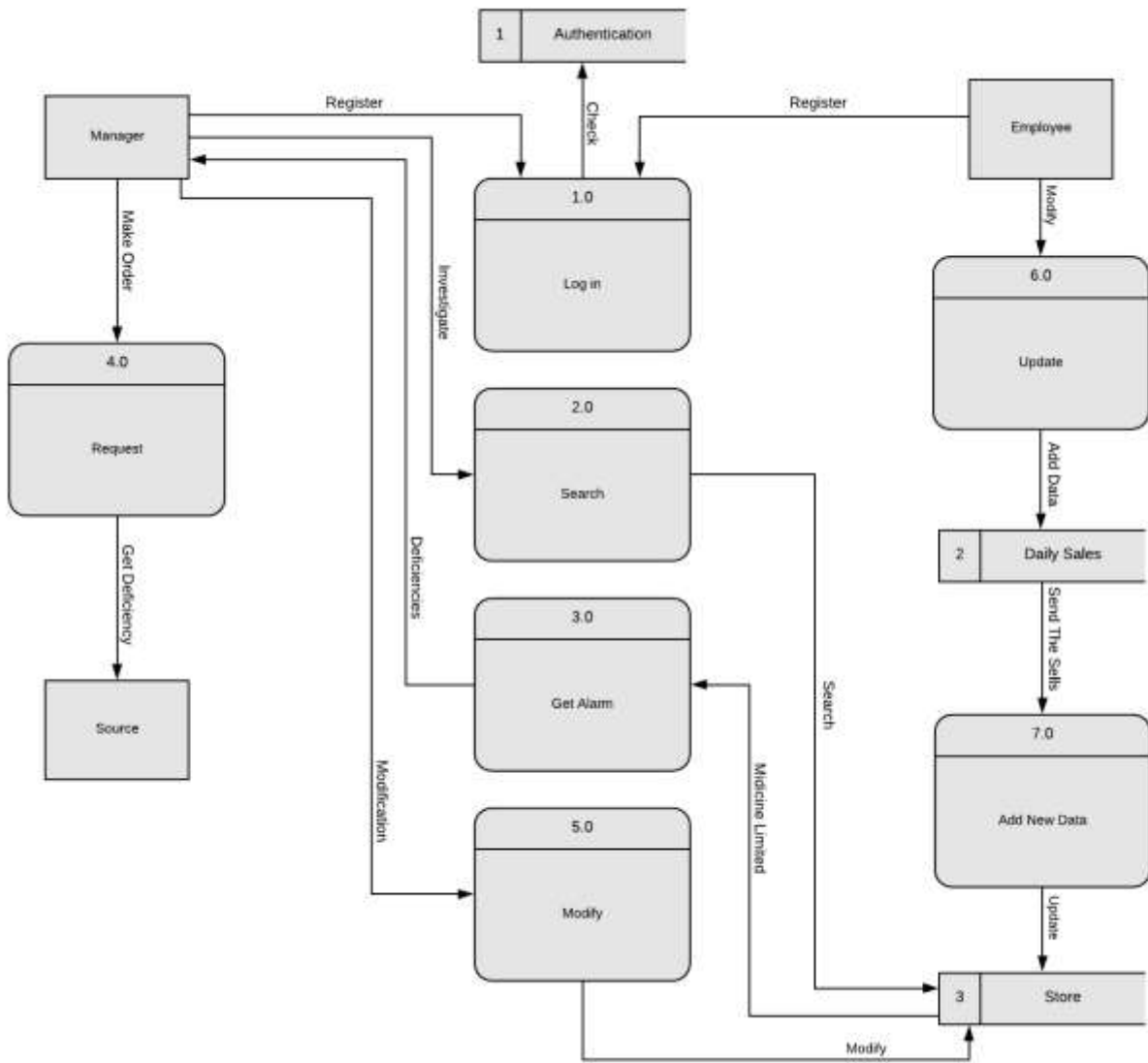
5) Appendix

5.1 Data Flow Diagram

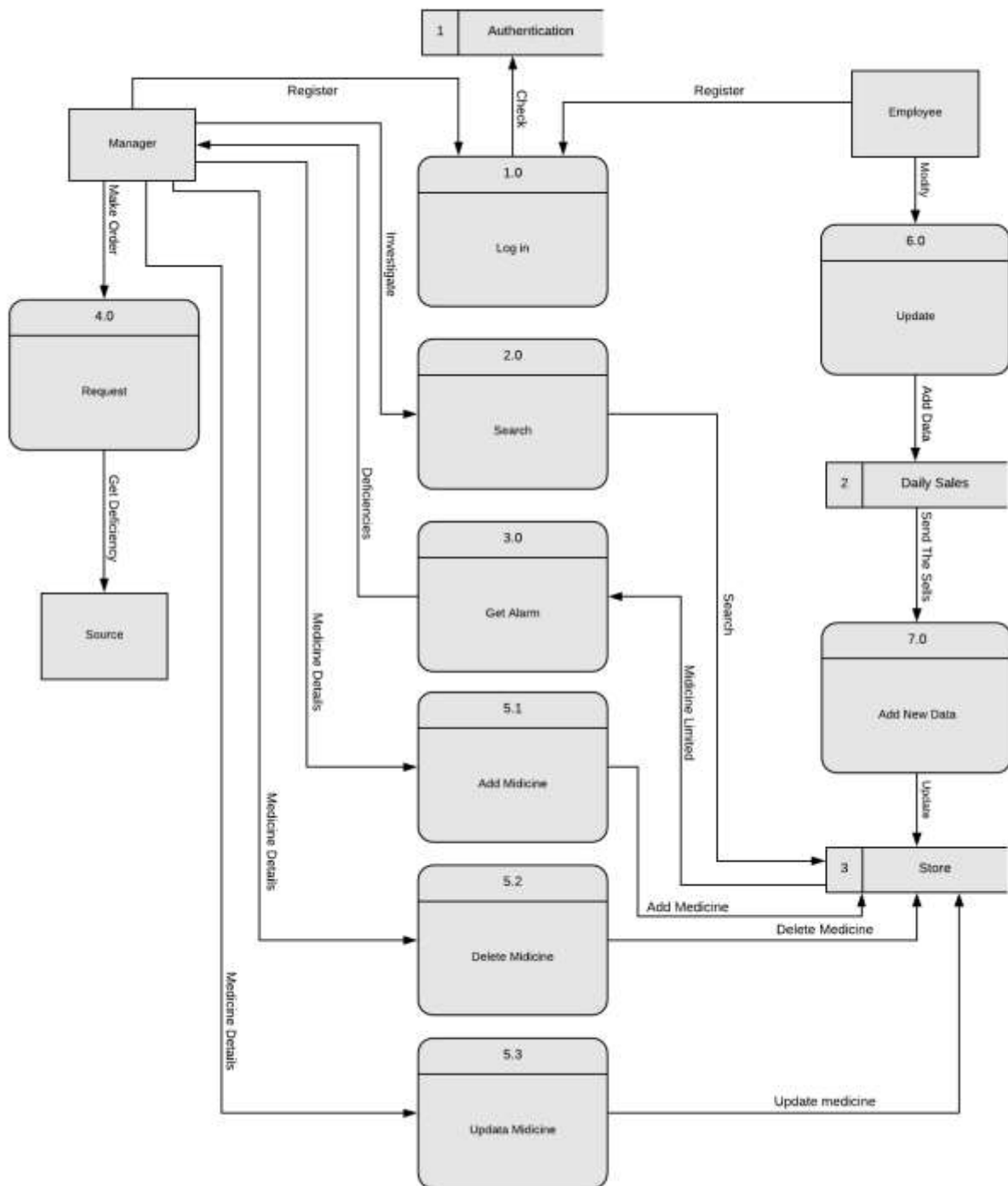
Context



Level Zero



Level One



Level One

