Software Requirement Specification

Version 1.0.3

System of the Pharmacy

Aya Blassem

Bothena AlYosef

Nour Ghazi

Shahed Darwish

Wael Kasouha

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1.0. Introduction

***1.1. Purpose***

The purpose of this document is to a detailed description of the system of the process of pharmacy, and the task of the tasks that should be given to this system so that the comprehensive all workforce is aware of the document’s customized and assistant system for the stakeholders and the developers of the system.

***1.2. Scope of Project***:

The pharmaceutical system will be able to organize the sales and purchase of the pharmacies in the pharmacy and control of the necessary medicine

This system will be established to facilitate the work of the pharmacist from the storage and search for medicines by diving report or alert of medicine or approach the date of expiration of medicine and suggestion of a replacement medicine to the medicine.

The system also contains a relational database containing the list of medicine ,benefits, price ,date of validity and their alternatives.

1.3. Glossary:

|  |  |
| --- | --- |
| Term | Definition |
| Barcode Reader | Is an optical scanner that can read printed barcodes decode the data contained in the barcode and send the data to a computer |
| Salesperson | Person who introduces medicines and selling to the pharmacy |
| Reliability | Inability to change final number with invoices |
| 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. |
| stakeholders | A person, group company that is directly or in directly involved in the project and who may effect or get effected |

1.4. ReferencesIEEE. IEEE Std 830-1998 IEEE Recommended Practice for Software RequirementsSpecifications. 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:

The pharmaceutical system interacts with the database so that it can

Access data provided, inserting medicines, and contact with the Barcode reader, and the printer to invoice billing and reports at the end of the sale…

2.2 Functional Requirements Specification:

This section outlines the use cases for each of the

Pharmacist

2.2.1 pharmacist use case

Use case: search for medicine

2.2.2 pharmacist use case

Use case: report invoice

2.2.3 system use case

Use case: report alerting a certain expiration of a given medicine.

2.3 User Characteristics:

The pharmacist is expected to be on the windows system and use the zone and drop-down menus, dealing with printer and barcode.

2.4 Non-Functional Requirements:

The system will be work easily and quickly, and work in three languages, create a backup, Reliability.

The system should be responsive by searching and taking information out of the database.

3.0. Requirements Specification

3.1 External Interface Requirements :

There is no external link.

3.2 Functional Requirements

3.2.1 Use case: search for medicine

1. enter the name of the medicine required in the search

2.in the absence of the medicine the alternative medicine will be displayed

3.the system provides a list of all existing medicines and alternative medicine in a database.

3.2.2 Use case: report invoice:

1.After the sale process, the pharmacist must prepare a invoice in the medicine

Must be available in the invoice:

1. Invoice number.
2. Medicine name.
3. Type of his.
4. The quantity.
5. Price.
6. Sales date.

2. print the invoice.

3.keep the copy in a database.