Software Requirements Specification

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Medicine Shop Software

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1. **Introduction**

It is an application to develop software for medicine shop.

* 1. **Purpose**

The purpose of this document is to present a detailed description of the Medicine Shop. 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 and will be proposed to relevant medical shops for its testing, approval and use.

* 1. **Project Description**

Medicine Inventory cum store inventory system to display relevant information about details of products and retail options for the vendor.

**1.3List of Actors**

**System Administrator, Retailer, Inventory Manager, Customer**

**1.4 Scope of Projects**

To deliver a quick and efficient method to improve retail mechanism along with a hassle free management cum inventory system.

To improve the accessibility of the product and the quantitive management and stock handling thus improving the efficiency in time consumption for the retailer and the customer.

This software system will be a Medical shop software for a regional medicine shop. This system will be designed to maximize the shop’s productivity by providing tools to assist in invoicing the medicine sale process, which would otherwise have to be performed manually. By maximizing the retailer’s work efficiency and production the system will meet the retailer’s needs while remaining easy to understand and use.

More specifically, this system is designed to allow a retailer to manage and communicate with a group of companies and administrators for the supply of medicines on time. The software will facilitate communication between retailers, administrators, and the companies via E-Mail. Preformatted reply forms are used in every stage of the articles’ progress through the system to provide a uniform review process; the location of these forms is configurable via the application’s maintenance options. The system also contains a relational database containing a list of Authors, Reviewers, and Articles.

**1.5 References**

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

**2. Overall Description**

**2.1Functional Requirements**

**2.1.1Use Case**

#### Search Medicine

Retailer

Search Medicine

#### Update Database

Administrator

Update Medicine

Database

#### Supply Medicine

Manufacturer

Supply Medicine

**Brief Description**

Administrator

Manufacturer

Retailer

Customer

Database

Software

Medicine Shop Software

Company

The administrator accesses the searches for a medicine and prepares the bill and/or maintains stock inventory.

**Initial Step-By-Step Description**

Before this use case can be initiated, the administrator has already accessed the Medicine Administrative page.

1. The administrator chooses to search by medicine name, category, or keyword.

2. The system displays the choices to the administrator.

3. The administrator selects the item desired.

4. The system presents the details like expiry date, cost, manufacturer, supplier and contents.

5. The administrator chooses the item and makes modifications as per the requirement.

6. The system makes the requested changes which can be used by the retailer as and when required.

**2.1.2 Entity Relationship Diagrams**

**Admin Login Credentials**

|  |  |  |
| --- | --- | --- |
| **Data Item** | **Type** | **Description** |
| Admin Name | Text | Name of Administrator |
| Login Id | Text | Login details |
| Password | Pointer | Password |

**Retailer Data Entity**

|  |  |  |  |
| --- | --- | --- | --- |
| **Data Item** | **Type** | **Description** | **Comment** |
| Name | Text | Name of Retailer |  |
| Retailer Id | Integer | ID number | Used as key in Database |
| Email Address | Text | Internet address |  |
| Address of correspondence | Pointer | Home Address |  |
| Highest Qualification | Integer | Educational Qualifications |  |
| Phone number | Integer | Mobile number |  |
| Specialty | Category | Area of expertise | May be several |

**2.1.3 Data Flow Diagram**

**2.2 Non Functional Requirements**

The Software will be on a server with high speed Internet capability. The physical machine to be used will be determined by the administrator. The speed of the connection will depend on the hardware used rather than characteristics of this system.

The Software will run on the Admin’s PC and will contain an Access database. Access is already installed on this computer and is a Windows operating system.

**2.2.1 System Requirements**

**2.2.2 Performance Requirements**

**2.2.3 Security Requirments**

**2.2.4 DatabaseRequirements**

**2.2.5 SafetyRequirements**