**Software Requirements Specification**

**for**

**Pharmacy Management**

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**Table of Contents**

**Table of Contents** [**ii**](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.ihv636)

**Revision History iii**

**1. Introduction** [**1**](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.32hioqz)

1.1 Purpose [1](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.1hmsyys)

1.2 Document Conventions [1](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.41mghml)

1.3 Intended Audience and Reading Suggestions [1](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.2grqrue)

1.4 Product Scope [1](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.vx1227)

1.5 References [1](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.3fwokq0)

**2. Overall Description** [**2**](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.1v1yuxt)

2.1 Product Perspective [2](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.4f1mdlm)

2.2 Product Functions [2](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.2u6wntf)

2.3 User Classes and Characteristics [3](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.19c6y18)

2.4 Operating Environment [3](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.3tbugp1)

2.5 Design and Implementation Constraints [8](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.28h4qwu)

2.6 User Documentation [8](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.nmf14n)

2.7 Assumptions and Dependencies [8](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.37m2jsg)

**3. External Interface Requirements** [**8**](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.1mrcu09)

3.1 User Interfaces [8](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.2jxsxqh)

3.2 Hardware Interfaces [8](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.46r0co2)

3.3 Software Interfaces [9](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.2lwamvv)

3.4 Communications Interfaces [9](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.111kx3o)

**4. System Features** [**9**](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.3l18frh)

4.1 System Feature 1 [9](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.206ipza)

4.2 System Feature 2 (and so on) [10](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.4k668n3)

**5. Other Nonfunctional Requirements** [**10**](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.2zbgiuw)

5.1 Performance Requirements [10](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.2bn6wsx)

5.2 Safety Requirements [10](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.1egqt2p)

5.3 Security Requirements [10](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.3ygebqi)

5.4 Software Quality Attributes [10](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.2dlolyb)

5.5 Business Rules [10](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.sqyw64)

**6. Other Requirements** [**11**](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.3cqmetx)

**Appendix A: Glossary** [**11**](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.1rvwp1q)

**Appendix B: Analysis Models** [**11**](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.4bvk7pj)

**Appendix C: To Be Determined List** [**11**](https://docs.google.com/document/d/11LM0Kb6FxS-jRpMb2emFYhHHZ40F0OW0zM_ADt3IJ4I/edit#heading=h.2r0uhxc)

**Revision History**

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| --- | --- | --- | --- |
| **Name** | **Date** | **Reason For Changes** | **Version** |
|  |  |  |  |
|  |  |  |  |

# **Introduction**

## **Purpose**

*This project is to create a technical solution that satisfies the functional requirements for the employees of a pharmacy.*

*The pharmacy management system is built for the sake of ensuring effective and clear*

*data saving and manipulating as well as neat work on the pharmacy medical products.*

*This refers the pharmacy management system project highly minimize time and resource*

*by which, searching the medicine data you can get the data in quickest time. And almost*

*the resources are wise used since most actions are done on the pharmacy system. The other thing is for storing data in secure way.*

## **Document Conventions**

*<Describe any standards or typographical conventions that were followed when writing this SRS, such as fonts or highlighting that have special significance. For example, state whether priorities for higher-level requirements are assumed to be inherited by detailed requirements, or whether every requirement statement is to have its own priority.>*

## **Intended Audience and Reading Suggestions**

*Developers for third party services and government officials.*

## **Product Scope**

*With the development of specific and potent synthetic drugs, the emphasis of the pharmacist’s responsibility has moved substantially towards the utilization of scientific knowledge in the proper use of modern medicines and the protection of the public against dangers that are inherent in their use.*

*Pharmacists are employed in regulatory control and drug management, community pharmacy, hospital pharmacy, the pharmaceutical industry, academic activities, training of other health workers, and research. In all these fields, their aim is to ensure optimum drug therapy, both by contributing to the preparation, supply and control of medicines and associated products, and by providing information and advice to those who prescribe or use pharmaceutical products.*

## **References**

*<List any other documents or Web addresses to which this SRS refers. These may include user interface style guides, contracts, standards, system requirements specifications, use case documents, or a vision and scope document. Provide enough information so that the reader could access a copy of each reference, including title, author, version number, date, and source or location.>*

# **2.Overall Description**

## **2.1 Product Perspective**

Our main objective is to provide a user friendly application to the employee

working in a pharmacy and take of his burden of remembering details of every

drug in the pharmacy. Our other objective is to attract the customers towards our

pharmacy by providing customers with discounts.

In Pharmacy Management System, administrator has a Login ID and Password. Also all the users have different permission rights to access the applications.

There are two main roles in the system. Admin and employee. Admin has complete access to the whole system, while employee is the role that is responsible for the use of the system.

## **2.2 Product Functions**

**Register Module:**

Registration of new employees is done through this module. Here we enter the details new

employee and they get stored in the database.This module is operated by Admin only.Admin is

only authorized to register new employees and he provides login credentials to the employee.

**Login Module:**

Employee logs into his account using this module. Here every employee need to type his/her

login credentials in order to enter into his account.

**Home Module:**

Employee gets into this module after logging in.This module contains four sections namely

billing, history, add drugs, search. And employee can access these sections.

Add new patient Module:

This module provides a patient id to the new customer and stores their details in the database.

**Create bill Module:**

Based on the prescription provided by the customer employee add drugs to the bill and

generates the bill and issues the receipt to the customer.

**Bill calculation Module:**

This module calculates amount in the bill based on the drugs and quantity of drugs customer

has taken. And also Discount is given to the customers based on his/her previous bill amounts.

**Search by drug name Module:**

This module is used to search for a particular drug and lookup its stock, functionality, side

effects, shelf number and price. Employee can also see the list of past few bills which contains

this drug.

**Search by patient\_id Module:**

This module is used to search for a particular patient based on his ID and lookup his previous

billing details and the pharmaceuticals he/she has taken from our pharmacy.

**Search by bill\_id Module:**

This module is used to search for a particular bill based on its ID and can get complete list of

drugs in that bill and name of employee who issued that bill and the details of patient who has

taken the pharmaceuticals and the amount in the bill.

**History Module:**

This module provides the list of bills billed by different employees in the pharmacy.And the

employee can look into any bill.

**Add Drug Module:**

This module is used for addition of new drugs or can increase the stock of an existing drug in

the pharmacy.Once the employee updates this module the database will get updated

Accordingly.

**Profile Module:**

This module contains the details of the employee such as his/her name,phone number,email id.

It also contains the bills issued by that employee.

**Edit Profile Module:**

The employee can edit his/her details like username,email etc.. in this module.

**Change Password Module:**

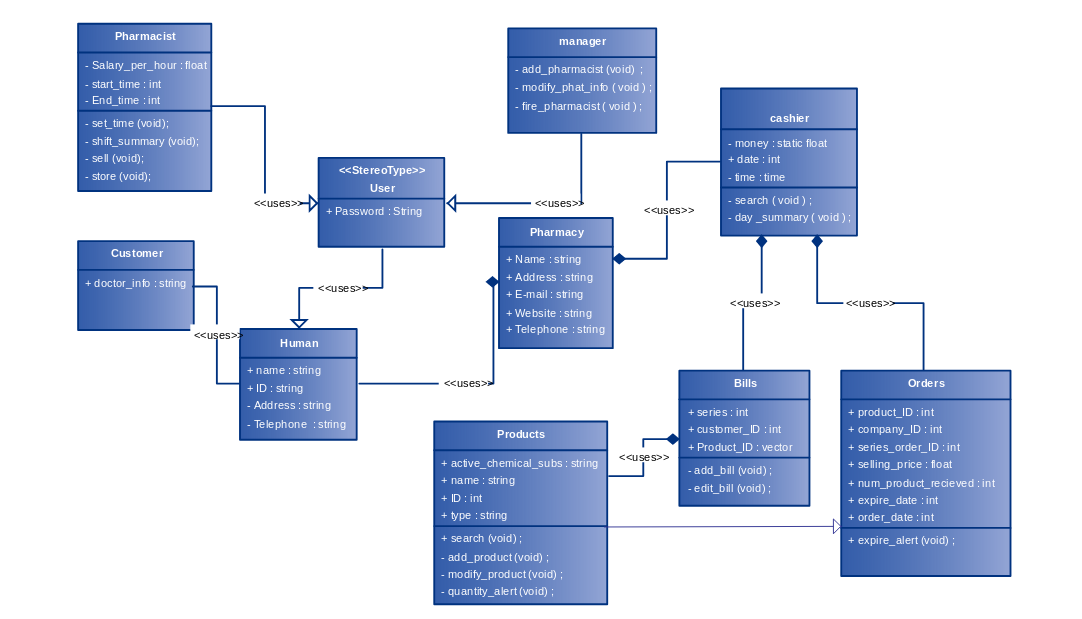
The employee can change his/her password in this module.

Logout:

The employee can log out of the session through this module.

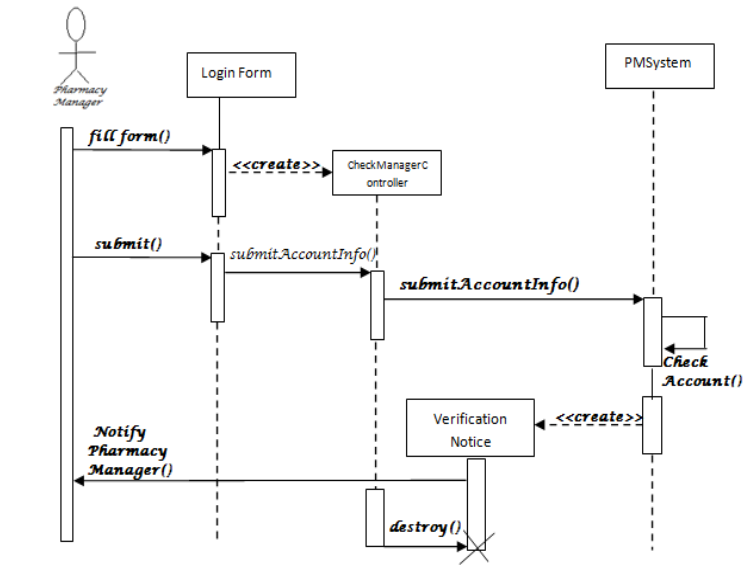
**2.3 User Class and characteristics**

**Class Diagram**

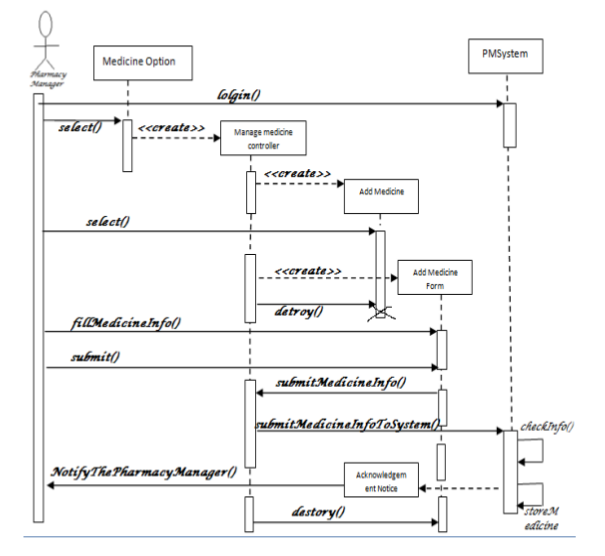
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**Sequence Diagrams for different functionalities**

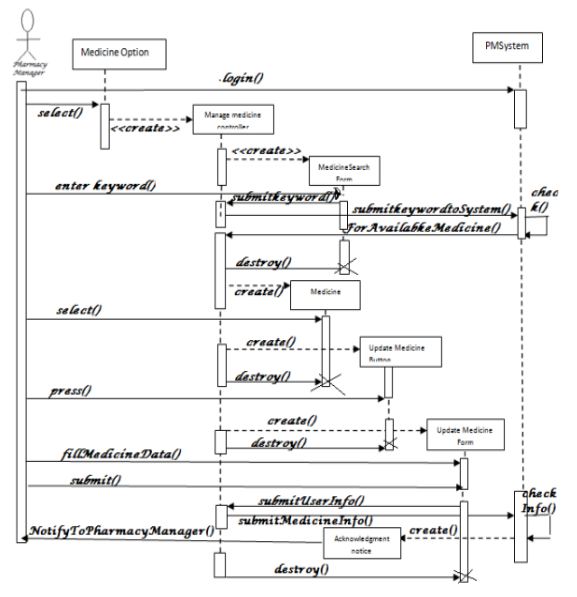
1. Login



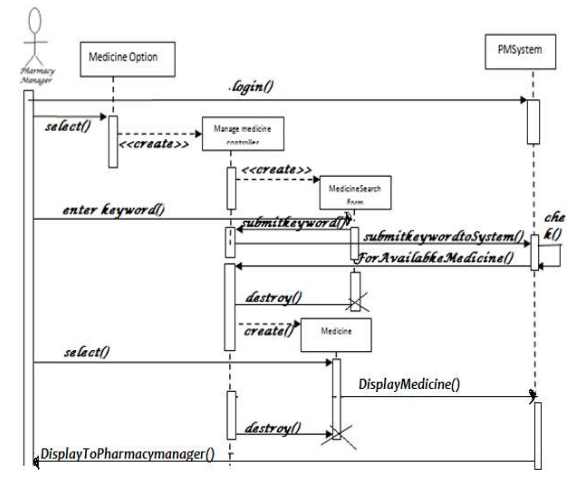
b. Add Medicine



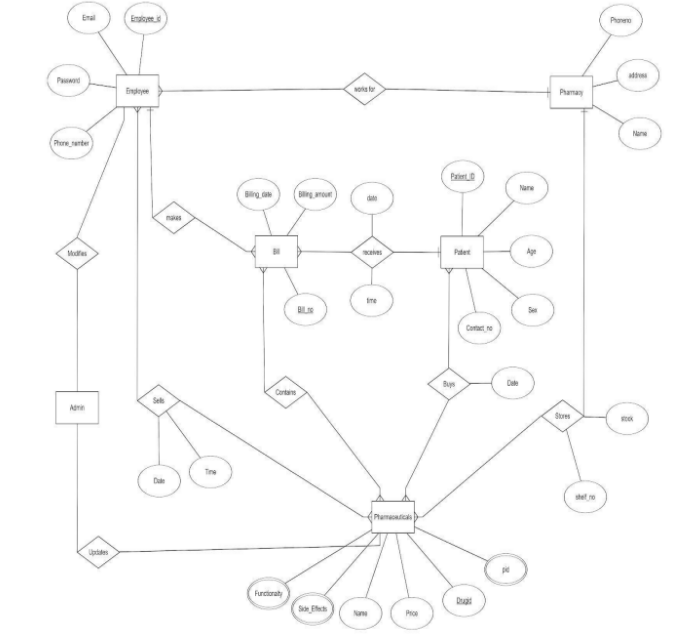
c. Update medicine data



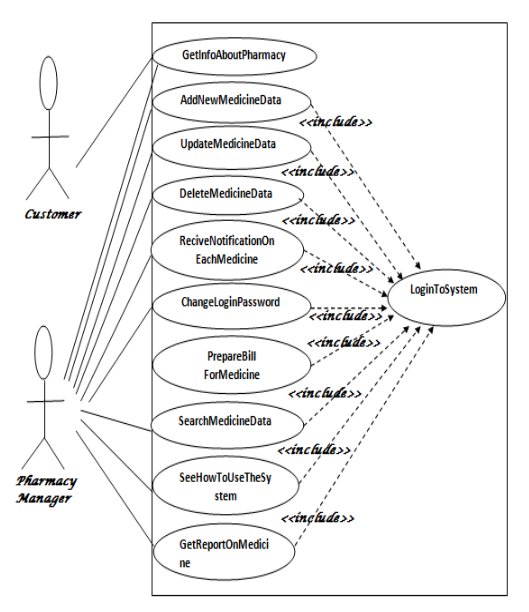
d. Search medicine



**ER Diagram**

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**Use Case model**

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## **2.4 Operating Environment**

*Hardware Requirements*

* *Computer Machine with atleast 2GB RAM and 32 GB ROM*
* *External Disk*
* *Database atleast 10 GB large for long run use of this application*
* *Reliable web server*

*Software Requirements*

* *Xampp (My-SQL)*
* *Composer*
* *Operating system : Windows XP or above*
* *Languages used : PHP,HTML,Java Script*

## **2.5 Design and Implementation Constraints**

*<Describe any items or issues that wUser Documentation*

*<List the user documentation components (such as user manuals, on-line help, and tutorials) that will be delivered along with the software. Identify any known user documentation delivery formats or standards.>*

## **2.6 Assumptions and Dependencies**

*<List any assumed factors (as opposed to known facts) that could affect the requirements stated in the SRS. These could include third-party or commercial components that you plan to use, issues around the development or operating environment, or constraints. The project could be affected if these assumptions are incorrect, are not shared, or change. Also identify any dependencies the project has on external factors, such as software components that you intend to reuse from another project, unless they are already documented elsewhere (for example, in the vision and scope document or the project plan).>*

# **3. External Interface Requirements**

## **3.1 User Interfaces**

* *Login*
* *Create Bill*
* *Search by drug name,patient id,bill id*
* *Add Drug*
* *Logout*

## **3.2 Hardware Interfaces**

The system shall run on Microsoft Windows based system.

## **3.3 Software Interfaces**

*The system shall interface with Access database.*

## **3.4 Communications Interfaces**

*<Describe the requirements associated with any communications functions required by this product, including e-mail, web browser, network server communications protocols, electronic forms, and so on. Define any pertinent message formatting. Identify any communication standards that will be used, such as FTP or HTTP. Specify any communication security or encryption issues, data transfer rates, and synchronization mechanisms.>*