

# Software Requirements Specification (SRS) For Hospital Management System

Prepared By:

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## Problem statement in our project:

- 1) Missing important information.
- 2) Difficult in management.
- 3) Waste of time.
- 4) Huge staff need to manage the system.
- 5) Efficiently maintain the details of patient, staff and doctors.

## Problem objective:

- 1) Save Patient registration details.
- 2) Show all doctors information.
- 3) Show all staff information.
- 4) Show all sell medicine information.
- 5) Save all information in database.
- 6) Save our time to manage in the system.
- 7) Efficient and user friendly to manage in this system.

## Functional Requirement in our system:

Requirement ID	FR.No.1
Requirement Name	Add information
Description	For the purpose of admin/reception add information in this system

Requirement ID	FR.No.2
Requirement Name	Delete information
Description	For the purpose of admin/reception delete information in this system

Requirement ID	FR.No.3
Requirement Name	Search information
Description	For the purpose of admin/reception search information in this system

Requirement ID	FR.No.4
Requirement Name	Update information
Description	For the purpose of admin/reception update information in this system

## Non-Functional Requirement in our system:

Requirement ID	NFR.No.1
Requirement Name	Hidden password
Description	AnyOne can't show password in the system

Requirement ID	NFR.No.2
Requirement Name	Color Design
Description	Background color design in this system

Requirement ID	NFR.No.3
Requirement Name	User Friendly
Description	Any level person can easily use this system.

## **Performance Requirements:**

### Speed and Latency Requirements:

PR1	All Page response within a second.
Description	If admin or reception staff search any information in this system then he/she show require information within one second.
Stakeholders	Admin, Reception Staff

## **Precision and Accuracy Requirements:**

There are no specific precision and Accuracy Requirements in this system.

## **Capacity Requirements:**

There are no specific Capacity Requirements in this system.

## **Dependability Requirements:**

### Reliability and Availability:

DR1	The system available 24x7
Description	Admin or reception staff can update, add, delete any information in 24 hours.
Stakeholders	Admin , Reception staff

### Robustness and Fault Tolerance Requirement:

There are no specific Robustness and Fault Tolerance Requirement in this system.

### Safety Critical Requirements:

There are no specific Safety Critical Requirements in this system.

## **Maintainability and Supportability:**

### **Maintenance Requirements:**

MS1	The system helps to update any information in any time
Description	Admin and reception staff can update any information in any time
Stakeholders	Admin, Reception staff

### **Supportability Requirements:**

There are no specific Supportability Requirements in this system.

### **Adaptability Requirements:**

There are no specific Adaptability Requirements in this system.

## **Security Requirements:**

### Access Requirements:

SR1	Password need
Description	If admin or reception staff update or delete any information therefore need to password.
Stakeholders	Admin, Reception staff

### Integrity Requirements:

There are no specific Integrity Requirements in this system.

### Privacy Requirements:

There are no specific Privacy Requirements in this system.

## **Usability and Human Integrity Requirements:**

### Ease of Use Requirements:

UHIR1	The system must be usable for admin and reception staff.
Description	This system admin go on admin portal and reception staff go on reception staff portal and use items.
Stakeholders	Admin, Reception staff

### Understand-ability and Politeness Requirements:

There are no specific Understand-ability and Politeness Requirements in this system.

### Accessibility Requirements:

There are no access requirements beside those that have been outlined in the below:

AR-1: Log in as a Admin

AR-2: Log in as an Reception staff

AR-3: Log out as a Admin

AR-4: Log out as an Reception staff.



## **Look and Feel Requirements:**

### Appearance Requirements:

There are no specific Appearance Requirements in this system.

### Style Requirements:

There are no specific Style Requirements in this system.

## **Operational and Environmental Requirements:**

### Expected Physical Requirements:

There are no specific Expected Physical Requirements in this system.

### Requirement for Interfacing with Adjacent System:

There are no specific Requirement for Interfacing with Adjacent System in this system.

### Release Requirements:

There are no specific Release Requirements in this system.

## **Legal Requirements:**

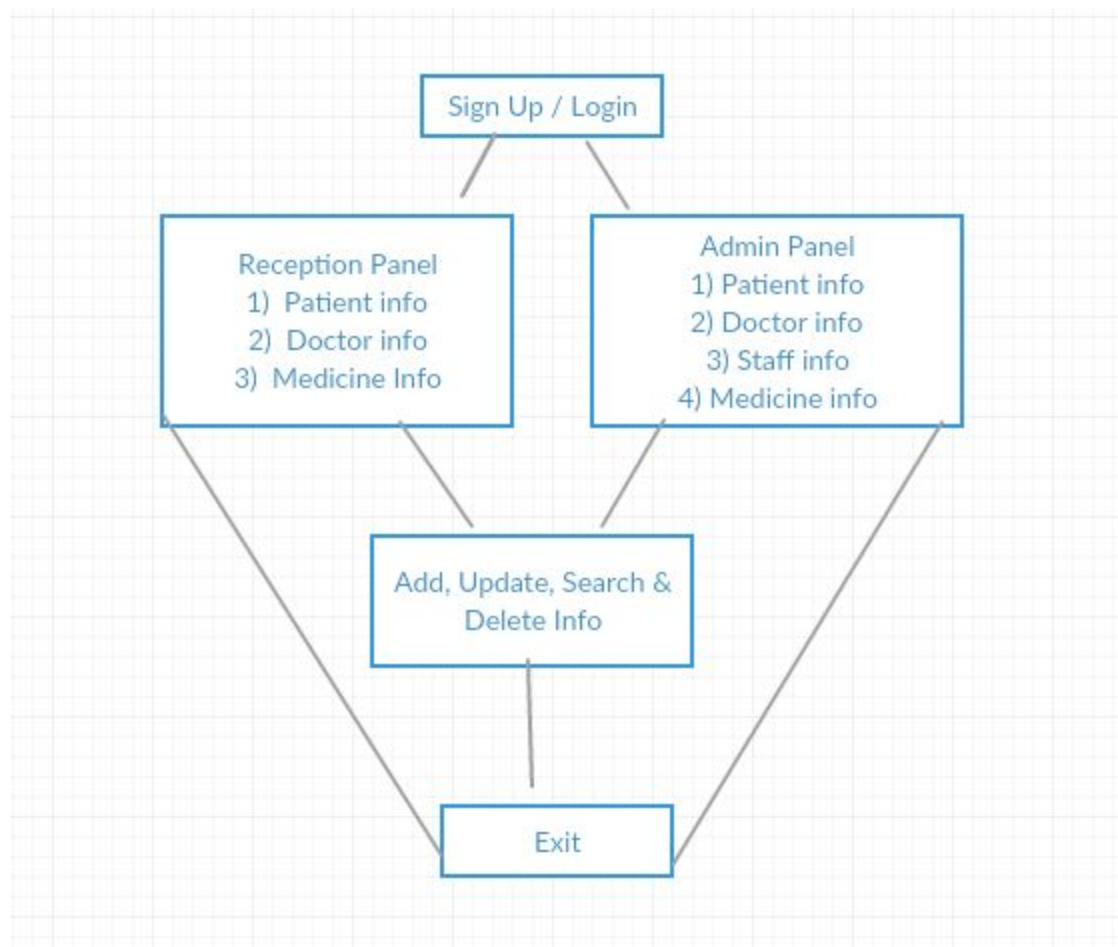
### Compliance Requirements:

There are no specific Compliance Requirements in this system.

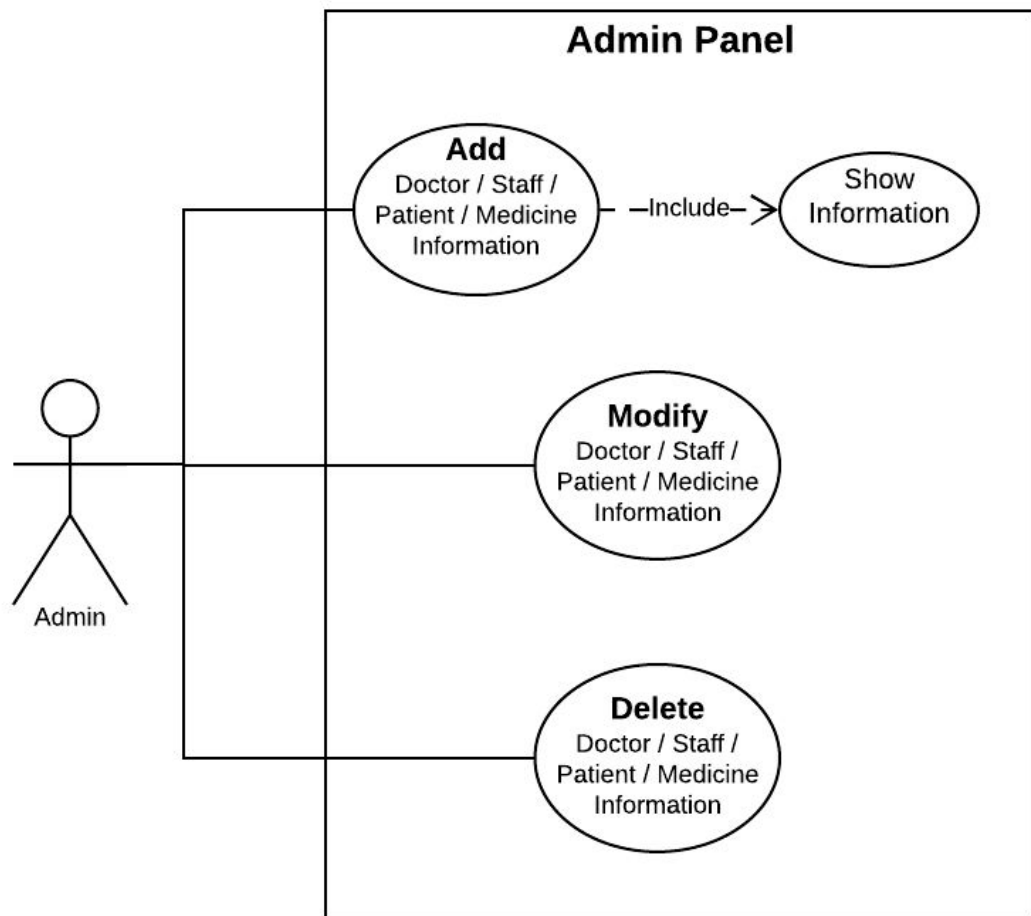
### Standard Requirements:

There are no specific Standard Requirements in this system.

## Block Diagram in My Project:



## Admin Use Case:



## Use Case Description (Admin)

1)

<b>Use Case</b>	Add Doctor / Staff / Medicine / Patient.	
<b>Goal</b>	If Admin need to new Doctor / Staff / Patient / Medicine in this system so Admin can add this.	
<b>Preconditions</b>		
<b>Success End Condition</b>	Admin show success message to add Doctor / Staff / Medicine / Patient in this system.	
<b>Failed End Condition</b>	If Admin can try to use previous used ID.	
<b>Primary Actors:</b>	Admin.	
<b>Secondary Actors:</b>		
<b>Trigger</b>	Any time can add this.	
<b>Description / Main Success Scenario</b>	<b>Step</b> 1)	<b>Action</b> If need to Add Doctor / Staff / Medicine / Patient. First admin need to check seat then Add this system but first need to give admin password.
	2)	Admin can show new add information.
<b>Alternative Flows</b>	<b>Step</b>	<b>Branching Action</b>
<b>Quality Requirements</b>	<b>Step</b>	<b>Requirement</b>

2)

<b>Use Case</b>	Modify Doctor / Staff / Medicine / Patient.	
<b>Goal</b>	If Admin need to Modify any Doctor / Staff / Patient / Medicine Information in this system so Admin can Modify this.	
<b>Preconditions</b>		
<b>Success End Condition</b>	Admin show success message to Modify Doctor / Staff / Medicine / Patient Information in this system.	
<b>Failed End Condition</b>	If Admin can try to use previous used ID or Input wrong information in this system.	
<b>Primary Actors:</b> <b>Secondary Actors:</b>	Admin.	
<b>Trigger</b>	Any time can Modify this.	
<b>Description / Main Success Scenario</b>	<b>Step</b> 1)  2)	<b>Action</b> If need to Modify Doctor / Staff / Medicine / Patient. First admin need to search this information then he can modify this. But first need to give admin password.  If Admin use wrong information then he show a error message.
<b>Alternative Flows</b>	<b>Step</b>	<b>Branching Action</b>
<b>Quality Requirements</b>	<b>Step</b>	<b>Requirement</b>

3)

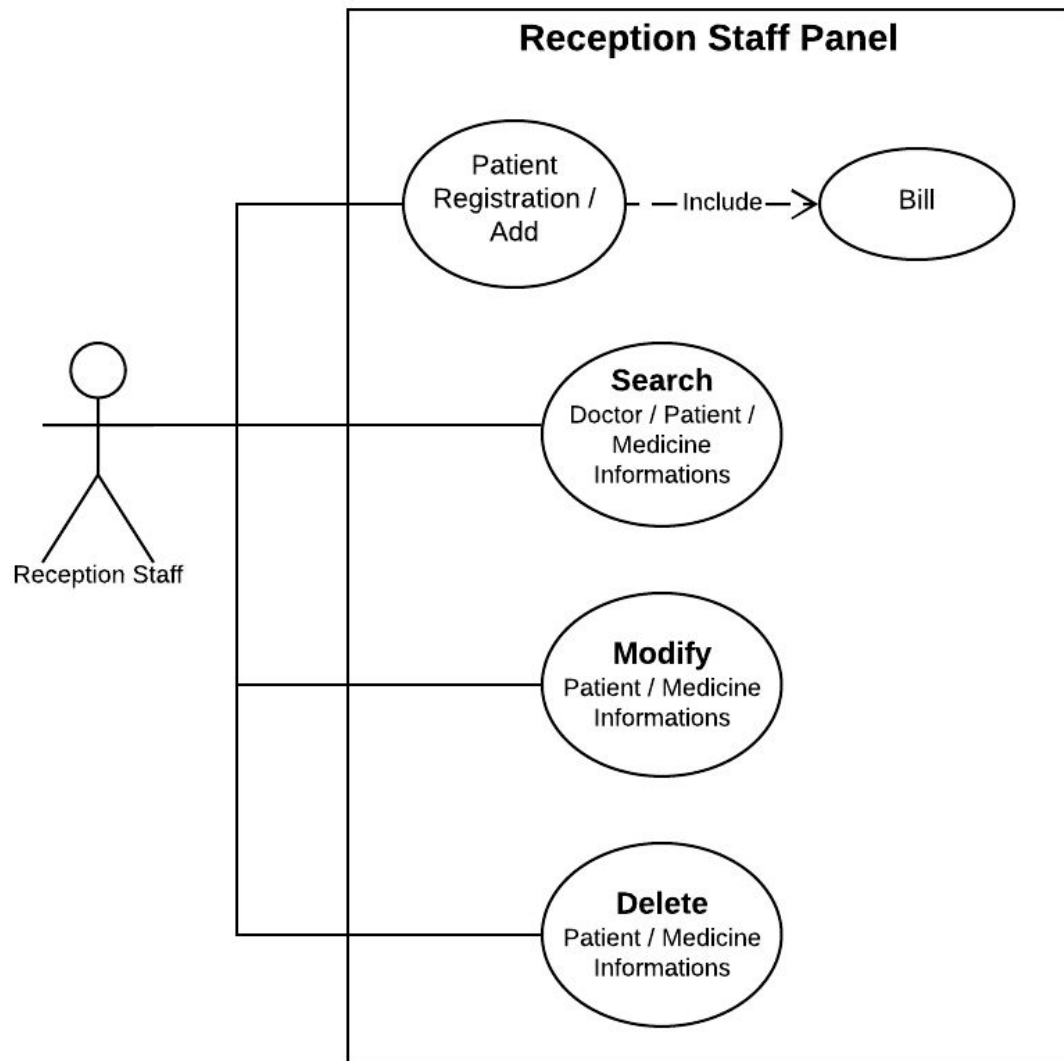
<b>Use Case</b>	Delete Doctor / Staff / Medicine / Patient	
<b>Goal</b>	If Admin need to Delete any Doctor / Staff / Patient / Medicine Information in this system so Admin can Delete this.	
<b>Preconditions</b>		
<b>Success End Condition</b>	Admin show success message to Delete Doctor / Staff / Medicine / Patient Information in this system.	
<b>Failed End Condition</b>	If Admin can try to use previous used ID or Input wrong information in this system.	
<b>Primary Actors:</b> <b>Secondary Actors:</b>	Admin.	
<b>Trigger</b>	Any time can Delete this.	
<b>Description / Main Success Scenario</b>	<b>Step</b> 1)  2)	<b>Action</b> If need to Delete Doctor / Staff / Medicine / Patient. First admin need to search this information then he can Delete this. But first need to give admin password.  If Admin use wrong information then he show a error message.
<b>Alternative Flows</b>	<b>Step</b>	<b>Branching Action</b>
<b>Quality Requirements</b>	<b>Step</b>	<b>Requirement</b>

4)

<b>Use Case</b>	Show Information	
<b>Goal</b>	If Admin need to Show any Doctor / Staff / Patient / Medicine Information in this system so Admin can Show this.	
<b>Preconditions</b>		
<b>Success End Condition</b>	Admin show search Doctor / Staff / Medicine / Patient Information in this system.	
<b>Failed End Condition</b>	If Admin use Input wrong information in this system.	
<b>Primary Actors:</b>	Admin.	
<b>Secondary Actors:</b>		
<b>Trigger</b>	Any time can Delete this.	
<b>Description / Main Success Scenario</b>	<b>Step 1)</b>	<b>Action</b> If Admin need to Show Doctor / Staff / Medicine / Patient. First admin need to search this information .But first need to give admin password.
<b>Alternative Flows</b>	<b>Step</b>	<b>Branching Action</b>
<b>Quality Requirements</b>	<b>Step</b>	<b>Requirement</b>



## Reception staff Use Case:



## Use Case Reception staff with Include and Extend:

1)

<b>Use Case</b>	Registration / Add Patient.	
<b>Goal</b>	If Reception staff need to add new Patient in this system so He can add this.	
<b>Preconditions</b>		
<b>Success End Condition</b>	Reception staff show success message to add Patient in this system.	
<b>Failed End Condition</b>	If Reception staff can try to use previous used ID.	
<b>Primary Actors:</b> <b>Secondary Actors:</b>	Reception staff.	
<b>Trigger</b>	Any time can add this.	
<b>Description / Main Success Scenario</b>	<b>Step</b> 1)  2)	<b>Action</b> If Reception staff need to Add new Patient. First he need to check seat then Add this system but first need to give Reception staff password.  Reception staff can add Bill in this patient.
<b>Alternative Flows</b>	<b>Step</b>	<b>Branching Action</b>
<b>Quality Requirements</b>	<b>Step</b>	<b>Requirement</b>

2)

<b>Use Case</b>	Show Information	
<b>Goal</b>	If Reception staff need to Show any Doctor / Patient / Medicine Information in this system so he can Show this.	
<b>Preconditions</b>		
<b>Success End Condition</b>	Reception staff show search Doctor / Medicine / Patient Information in this system.	
<b>Failed End Condition</b>	If Reception staff use Input wrong information in this system.	
<b>Primary Actors:</b> <b>Secondary Actors:</b>	Reception staff.	
<b>Trigger</b>	Any time can Show / search this.	
<b>Description / Main Success Scenario</b>	<b>Step</b> 1)	<b>Action</b> If Reception staff need to Show Doctor / Medicine / Patient. First he need to search this information .But first need to give Reception staff password.
<b>Alternative Flows</b>	<b>Step</b>	<b>Branching Action</b>
<b>Quality Requirements</b>	<b>Step</b>	<b>Requirement</b>

3)

<b>Use Case</b>	Modify Medicine / Patient.	
<b>Goal</b>	If Reception staff need to Modify any Patient / Medicine Information in this system so he can Modify this.	
<b>Preconditions</b>		
<b>Success End Condition</b>	Reception staff show success message to Modify Medicine / Patient Information in this system.	
<b>Failed End Condition</b>	If Reception staff can try to use previous used ID or Input wrong information in this system.	
<b>Primary Actors:</b> <b>Secondary Actors:</b>	Reception staff.	
<b>Trigger</b>	Any time can Modify this.	
<b>Description / Main Success Scenario</b>	<b>Step</b> 1)  2)	<b>Action</b> If need to Modify Medicine / Patient. First Reception staff need to search this information then he can modify this. But first need to give Reception staff password.  If Reception staff use wrong information then he show a error message.
<b>Alternative Flows</b>	<b>Step</b>	<b>Branching Action</b>
<b>Quality Requirements</b>	<b>Step</b>	<b>Requirement</b>

4)

<b>Use Case</b>	Delete Medicine / Patient	
<b>Goal</b>	If Reception staff need to Delete any Patient / Medicine Information in this system so he can Delete this.	
<b>Preconditions</b>		
<b>Success End Condition</b>	Reception staff show success message to Delete Medicine / Patient Information in this system.	
<b>Failed End Condition</b>	If Reception staff can try to use previous used ID or Input wrong information in this system.	
<b>Primary Actors:</b> <b>Secondary Actors:</b>	Reception staff.	
<b>Trigger</b>	Any time can Delete this.	
<b>Description / Main Success Scenario</b>	<b>Step</b> 1)  2)	<b>Action</b> If need to Delete Medicine / Patient. First Reception staff need to search this information then he can Delete this. But first need to give reception staff password.  If Reception staff use wrong information then he show a error message.
<b>Alternative Flows</b>	<b>Step</b>	<b>Branching Action</b>
<b>Quality Requirements</b>	<b>Step</b>	<b>Requirement</b>

5)

<b>Use Case</b>	Patient Bill	
<b>Goal</b>	If Reception staff need to add new cost any Patient Information in this system so he can Add this.	
<b>Preconditions</b>		
<b>Success End Condition</b>	Reception staff show success message to Add Patient Cost Information in this system.	
<b>Failed End Condition</b>	If Reception staff can try to use previous used ID or Input wrong information in this system.	
<b>Primary Actors:</b> <b>Secondary Actors:</b>	Reception staff.	
<b>Trigger</b>	Any time can Add / Update this.	
<b>Description / Main Success Scenario</b>	<b>Step</b> 1)  2)	<b>Action</b> If need to Add / Update Patient cost information in this system. First Reception staff need to search this information then he can Add / Update this. But first need to give reception staff password.  If Reception staff use wrong information then he show a error message.
<b>Alternative Flows</b>	<b>Step</b>	<b>Branching Action</b>
<b>Quality Requirements</b>	<b>Step</b>	<b>Requirement</b>