

**System Requirements Specification (S.R.S.)**

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# Introduction

## In this System Requirement Specification (S.R.S.), we will see the specifications of Lifeline Appointment System (L.A.S.) which will present an overview of the system.

## Purpose

### The purpose of this system is to help user to get information regarding a doctor and set an appointment if they want. Information like Doctor Contact numbers, Hospital/Clinical address, etc.

## Scope

### This project is associated with health care departments found in our database and accessible for specific city i.e. Wah Cantt.

## References

### Umer Hospital

### Pakistan Ordinance Factory (POF) Hospital, Wah Cantt

### City Hospital

### Fatima Hospital

### Amir Eye Hospital

### EDO Eye Hospital

### Zafar Clinic

## Assumptions & Dependencies

## Assumptions:

### The system is being developed in the assigned budget.

### All the team members are highly skilled professionals.

### Project delivery is on schedule.

### 

## Dependencies:

### Requirement Analyst should be available for requirement gathering.

### Designing process should be complete before coding.

## Use Case Model Survey

### **Use Case Name:** Sign In

**Description:** This use case allows the user to **Sign In** into the system to use it.

**Actors:** Admin., Doctor & Patient.

**Diagram:**

### **Use Case Name:** Sign Up

**Description:** This use case allows the user to create an account to use the system.

### **Actors:** Doctor & Patient.

**Diagram:**

### **Use Case Name:** Log Out

#### Description: This use case allows the user to safely exit the system.

#### Actors: Admin., Doctor & Patient.

**Diagram:**

### **Use Case Name:** Edit Database

#### Description: This use case allows the Admin. to add, delete or modify the data available to other users.

#### Actors: Admin.

**Diagram:**

### **Use Case Name:** Access Database

#### Description: This use case allows the user to access the data available in the database without the ability to change it.

#### Actors: Doctor & Patient.

**Diagram:**

### **Use Case Name:** Make Appointment

#### Description: This use case allows the Patient to create an appointment with a doctor of their choosing.

#### Actors: Patient

**Diagram:**

### **Use Case Name:** Check Appointment

#### Description: This use case allows the Doctor to check appointments of the current day made through this system.

#### Actors: Doctor.

**Diagram:**

## Actor Survey

## Actor Name: Admin.

**Description: Admin** is the actor who will provide the data to other actors and will manage the system.

## Actor Name: Doctor

**Description: Doctor** is the actor who will handle the appointments made by the patients. He can also view the previous records of patients.

## Actor Name: Patient

**Description: Patient** is the actor who can make an appointment, search for medicines & search for doctors.

## Requirements

## Functional Requirements

### Patient should be able to make an appointment.

### Patient should have access to Doctor’s contact information in case of an emergency.

### Patients should be able to search for Doctors.

## Non-Functional Requirements

### System should allow users to make a user account.

### While searching for a Doctor, Response Time should be 0.5sec or less.

### System should have an Admin. who should maintain the information available to users.

## Design Constraints

### **Tools:**

### Dreamweaver

### Sublime Text

### Visual Studio

### **Languages:**

* JavaScript
* XML
* HTML

## Purchased Components

### The L.A.S. system is not using specially purchased components.

## Software Interfaces

### **See Appendix C** for Web Page Interfaces.

## Licensing & Security Requirements

### **Licensing:**

### The L.A.S. system is not using components that require licensing.

## Security:

### The L.A.S. system is providing its users an account for which they choose a password of their own.

## Legal, Copyright & Other Notices

### Not applicable.

## Applicable Standards

### IEEE 830 Standard Software Requirements Specifications (S.R.S.) template.

## Glossary

### **L.A.S.:** Lifeline Appointment System

* **MRI:** Magnetic Resonance Imaging
* **PSA:** Prostate Specific Antigen
* **ECG/EKG:** Electrocardiogram

## Appendix

## Appendix A: Use Case Diagram of System

## Appendix B: Class Diagram of System

## Appendix C: Web Page Interfaces