# Software Requirements Specification

# for

# CLINIC APPOINTMENT SCHEDULING

**Version 1.0**

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**25 / 07 / 2017**

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1. **Introduction**

## Purpose

This SRS Document contains the complete software requirements for scheduling appointments with Doctors and describes the design decisions, architecture design and the detailed design and provides information needed for software support. This Website allows the user to make, modify or cancel an appointment with a Doctor. Patient and Doctor are able to view upcoming appointments. A management system is also setup where the administrator of system can monitor all the appointments, add or remove doctors and edit necessary details. Once an appointment is booked the patient has to make the payment for the same by providing the online card details. And he can print the Appointment Receipt.

## Intended Audience and Reading Suggestions

This website is intended for Patients who wish to make an appointment with Doctors of the clinic for treatment of their diseases. Doctors use this website for viewing the upcoming appointments of their registered patients. Administrator can manage the users of the system and control over all the activities of system.

## Project Scope

In this website, the user is directed to a login page where he can log in as a patient or a doctor. New users have to first register with the system before making appointments. The patient is allowed to make an appointment with a specific doctor at an available timeslot. He / She can also cancel or modify the appointment. The appointments can also be viewed. Administrator can manage the users of the system and control over all the activities of system.

## References

Youtube: [https://www.youtube.com](https://www.youtube.com/)

StackOverflow: [https://stackoverflow.com](https://stackoverflow.com/)

PHP: https://www.w3schools.com/php/

1. **Overall Description**

## Product Perspective

The aim of this Website is to convert the manual appointment scheduling process to a simple, easy to understand and quick computerized process so that patients can easily register and book their appointments with doctors with just one click.

## Product Functions

* Login Page for segregating patients and doctors.
* Allows patient to make an appointment with a doctor.
* Modification or cancellation of existing appointments.
* Reminds patients of upcoming appointments
* The doctor can view all the appointments for a particular day.

## Operating Environment

* Windows OS
* Minimum Requirements: Windows 7 and above
* Mozilla Firefox / Google Chrome Browser
* XAMPP Server

## Assumptions and Dependencies

* With respect to system features no assumptions are made.
* Since it is a clinic, we have assumed that there is a fixed set of doctors available for treatment of patients with fixed specialization.
* Also patients have to choose from the available doctors who are specialized in the corresponding disease.

1. **External Interface Requirements**

## User Interfaces

* Login Page
* Register Page
* Make Appointments
* Modify Appointments
* Cancel Appointments
* View Appointments
* Payment of Appointment Charges
* Printing Bill

## Software Interfaces

A relational database (MySQL) in XAMPP server will be used to store the entire database. The patients and doctors will have the option to check their appointments and validate the details while registering.

## Communications Interfaces

The system should be securely accessible through internet communications channels.

1. **System Features**

## Register Page

The patient has to first register on the application as a patient by submitting the details. Once registered, he can login as a patient. Since doctors and administrator are fixed, there is no register system required for them.

## Login Page

The patient can login and will be directed to home page. There are different options regarding booking appointment, viewing and he can view the list of doctors in clinic. Doctor can login and will be directed to home page. He can view or cancel appointments. The administrator after login is directed to home page and can manage the system.

**4.3 Book Appointments**

Here the patient can select the required doctor, along with timeslot and the date of appointment. If the slot is available the appointment will be booked or else an error message will be displayed forcing user to change doctor or timeslot.

**4.4 Modify Appointments**

In this section, a patient can edit the details regarding the previously booked appointments and these will be reflected in doctors’ appointment schedule as well.

**4.5 Cancel Appointments**

In this section, a patient or a doctor is able to cancel his / her appointment if it is not convenient.

**4.6 View Appointments**

Here, a patient ,a doctor or an administrator is able to see his / her upcoming appointments.

**4.7 Payment for Appointment**

In this section, a patient has to provide his credit card credentials in the form for payment process. Once filled, the payment is processed and patient is directed to printing the bill.

**4.8 Printing Appointment Receipt**

Here, the patient is shown a soft copy of the Appointment Receipt which includes patient information, bill number, date of appointment, method of payment and amount calculation. He / she has to bring a copy of the same during the visit.

1. **Other Nonfunctional Requirements**

## Performance Requirements

The system should be able to do the following tasks:

It should be able to store contents of atleast 100 patients or doctors which is done by implementing MySQL Database.

## Security Requirements

In this Website, the user is authenticated on the basis of his/her Username and Password submitted during the registration procedure. A user cannot view any other users’ appointments or credit card credentials.

## Software Quality Attributes

* Availability: The appointment slots will be refreshed whenever any appointment is made, modified or cancelled.
* Reusability: Same appointment slot cannot be used twice.
* Reliability: The reliability can be maintained through the use of Internet.
* Portability: This Application can run on any browser .