**Hospital Management System**

**Business Requirement Specification**

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# 1. Introduction

# Document Purpose

This document communicates the business requirements and scope for developing Hospital Management System. The scope of this document is to define the functional and non functional requirements, business rules and other constraints requirements.

# Project Background

In this busy world we don’t have the time to wait in infamously long hospital queues. The problem is, queuing at hospital is often managed manually by administrative staff, then take a token there and then wait for our turn then ask for the doctor and the most frustrating thing - we go there by traveling a long distance and then we come to know the doctor is on leave or the doctor can’t take appointments.

In some areas of country there are no medical facilities and people don’t have access to any physical medical facilities.

# Goals of the project

The main objective of this project is building a web application which will help patients to book their appointments at home, they can check whether the doctor they want to meet is available or not. Doctors can also confirm or decline appointments, this help both patient and the doctor because if the doctor declines’ appointment then patient will know this in advance and patient will visit hospital only when the doctor confirms’ the appointment this will save time and money of the patient.

Patients can also pay the doctor’s consultant fee online to save their time.

This web application will computerize all the details regarding the patient and the hospital. The installation of this healthcare software results in improvement in administrative functions and hence better patient care, which is the prime focus of any healthcare unit.

# Customers and Stakeholders

**Customers**

* Admin.
* Patients.
* Doctors.

**Stakeholders**

* Health Department of city.
* Government of India.

# 2. Business Requirements Overview

* HMS System is the public web application.
* HMS System will be opened to the global, but in the phase 1, the main target is in the India.
* There are four types of user: Patients, admin, doctors, pharmacist.
* Patient can book bed online, book appointment online, place order of medicine online.
* Patient can check for doctor he/she wants to book appointment and can do online appointment also.
* HMS is to upgrade administration of hospitals and hence providing better services to patients.
* Hospital Management System could be maintained by Administrator.
* It also provides facility to upload prescription and give medicine order.

# 3. Functional Requirements Overview

Hospital Management System consists of four modules described as below:

1. Admin Module.
2. Patient Module.
3. Doctor Module.

# 3.1 Admin Module

* The admin add doctor, update doctor details and verify payment and generate Bill/Reciept for the same.
* Admin can confirm bed booking.
* Admin can log in the system with his/her credentials.
* He is able to browse existing appointments of patients with doctors.
* Admin verify the payment submitted by the patient and can generate bills/reciept.
* Admin can check medicines stocks.

# 3.2 Patient Module

* Patients or their relatives can create his/her account by putting their details.
* Patients can choose the best preferred appointments from the options provided and can also change the appointment or cancel it.
* Hospital Management System provides the function which allows patients to find and book the preferred beds at hospitals.
* Patients can make payment or check payment history online.
* Patient can order medicines online.
* Patient can give feedback and ratings online.

# 3.3 Doctor Module

* Doctors can see his/her schedule.
* Doctors can view/update/modify/cancel the patients appointment list .
* Doctors can do online meetings with patients and other doctors.

# 4. Non-functional Requirements

* The website should use professional design, look and feel and color scheme.
* Users will have no limitations for accessing the application through Internet. The portal being an internet application, it is difficult specify exact number of visitor or users. Hence we will target the system to support between 5 and 10 million users on launch of phase 1.
* Being a public website, the site must follow general usability guidelines for menus, navigation, colors, links and other actions provided on the screens.
* The system should be designed in such a manner that user will be able to complete tasks in minimum number of steps.