**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

There is no computerized system for front office management of hospital. Most hospitals front office work done on paper. Registration of new patient done manually in most of the hospital. Also the maintaining data of patient in form of files is painful there is always chance of loss of patients documents or not getting them on time which may deal with life and death situation for the patient. Sometimes if patient visiting again for follow up treatment patients may lost important documents or records. Also maintaining and monitoring all activities done daily in hospitals require lots of efforts and paper work also there are lots of chances of human errors in maintaining those activities. So there is need have computerize front office work of hospital

# Goals of the project

The main objective of the project is to computerize the Front Office Management of Hospital to develop website which is user friendly simple, fast, and cost – effective. It deals with the collection of patient’s information, diagnosis details, prescriptions etc. It is designed for to cover a wide range of hospital administration and management process it is an integrated end-to-end hospital management system that provides relevant information across hospital to support effective decision making for patient care, hospital administration and financial accounting in seamless flow. Hospital Management System is designed to improve the quality and management of hospital in areas of clinical process analysis and activity based costing. Hospital Management System enable you to develop your organization and improve effectiveness and quality work

# Customers and Stakeholders

Customers:

* + Hospital that needs to computerize their front end office work
  + Patient want to get info about his hospital records

Stakeholders

* + Patients.
  + Physicians
  + Insurance companies
  + Pharmaceutical firms
  + Government Insurance companies

# 2. Business Requirements Overview

* Hospital Management System is the public web application.
* Hospital Management System will be opened to global but in the phase 1,the main target is in the India.
* There are two type of user Hospital staff including(Administrator,Receptionist,Doctor,Nurse,Pharmacist,Laboratorist,Accountant) and Patient
* Hospital Management System can track and manage patient records across system and track overall work of hospital
* Patient can get information about ongoing treatment, appointment and previous records
* Hospital Management System could be maintained by Administrator.

# 3. Functional Requirements Overview

Hospital Management System consists of eight modules described as below.

1. Admin Module.
2. User Module (patient).
3. Doctor Module.
4. Pharmacist Module.
5. Laboratorist Module.
6. Accountant Module.
7. Nurse Module

3.1 Adminmodule**:**

* Manage department of hospitals, user, doctor, nurse, pharmacist, laboratorist accounts.
* Watch appointment of doctors.
* Watch transaction reports of patient payment.
* Bed, ward, cabin status.
* Watch medicine status of hospital stock.

# 3.2 User Module (patient):

* View appointment list and status with doctors.
* View prescription details.
* View medication from doctor.
* View doctor list.
* View blood bank status.
* View operation history.

# 3.3 Doctor module:

* Manage patient. account opening and updating.
* Allot bed, ward, cabin for patients.
* Provide medication according to patient prescription.
* Manage blood bank and update status.
* Keep record of patient operation, baby born and death of patient.
* Manage own profile.

# 3.4 Pharmacistmodule:

* Maintain medicine.
* Keep records of hospitals stock medicines and status.
* Manage medicine categories.
* Watch prescription of patient.
* Provide medication to prescriptions.

# 3.5 Laboratoristmodule:

* Watch prescription list.
* Upload diagnostic report.
* Preview of report files. Like x-ray images, CT scan, MRI reports.
* Manage own profile.

3.6 Accountantmodule:

* Create invoice for payment.
* Order invoice to patient.
* Take cash payment.
* Watch payment history of patients.
* Manage own profile.

# 3.7 Nurse module:

* Manage patient. Account opening and updating.
* Provide medication according to patient prescription
* Mange own profile

# 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 lakh 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.