**Hospital Management System**

## Abstract

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## Table of Contents

## Acronyms

|  |  |
| --- | --- |
| API | Application Program Interface |
| UI | User Interface |
| HTTP | Hypertext Transfer Protocol |
| XML | Extensible Markup Language |
| SP | Stored Procedure |
| DAL | Data Access Layer |
| BAL | Business Logic Layer |
| LINQ | Language-Integrated Query |
| MVC | Model View Controller |
| JSON | JavaScript object notation |
| BO | Business Object |
| HMS | Hospital Management System |
| AD | Active Directory |
| MVC | Model View Controller |
| ORM | Object Relational Mapping |
| REST | Representational State Transfer |
| BPM | Business Process Management |
| BRD | Business Requirement Document |
| SRS | Software Requirement Specification |

# Introduction

TBD

## Purpose

The main purpose of the document is to propose the high-level solution and design for this project.

Designers and Developers are the intended audiences for this document.

# Technology Stack Overview

# Actors: Role and Responsibilities

* Admin
* Doctor
* Nurse
* Patient

|  |  |  |
| --- | --- | --- |
| SN | User Role | Role and Description |
| 1 | **Admin** |  |
| 2 | **Doctor** |  |
| 3 | **Nurse** |  |
| 4 | **Patient** |  |

# Scope of Work

1. **Out of Scope**
2. **Assumption**
3. **Functional Requirements**
4. **Non Functional Requirements**
   1. **Performance**

**TBD ( Describe below points in details)**

* 1. **Security**
  2. **Accessibility**
  3. **Design Constraints**
  4. **Integration**

1. **Tentative Screens/Flows**
2. **Welcome Screen**
3. **Registration Screen**
   1. Will be same for every actor
4. **Login Screen**
5. **Admin Dashboard Screen**
   1. **Hospital Branch**
      1. List Branches,
      2. Add New Branch
      3. Edit Existing Branch
      4. Delete Branch
   2. **Doctors**
      1. List Doctors
      2. Add New Doctors
      3. Edit Doctor
   3. **Nurse**
      1. List Nurses
      2. Add New Nurse
      3. Edit Nurse
   4. **Specializations**
      1. List Specializations
      2. Add Specialization
      3. Edit Specialization
      4. Delete Specialization
   5. **Patient**
      1. List Patients
      2. Add Patient
      3. Edit Patient
      4. Delete Patient
   6. **Payment Modes**
      1. List Payment Mode
      2. Add Payment Mode
      3. Delete Payment Mode
   7. **Rooms**
      1. List Room Types
      2. Add Room Type
      3. Delete Room Type
   8. **OPD**
      1. List Operative Rooms
      2. Delete Operative Room
   9. **Medicines**
      1. List Medicines
      2. Add Medicines
   10. **Treatment**
       1. List of Treatment
       2. Add Treatment
   11. **Payments**
       1. List of Payments by Patients
   12. **Admissions**
       1. List of Admissions
   13. **Appointments**
       1. List of Appointments
       2. Add Appointments
6. **Doctor Dashboard Screen** 
   1. **Appointment Medicines** 
      1. List Appointment Medicine
      2. Add Appointment Medicine
   2. **Treatment Medicines** 
      1. List of Treatment Medicine
      2. Add Treatment Medicine
   3. **Appointments** 
      1. List of Patient Appointment
      2. Add Appointment
7. **Patient Dashboard Screen**
   1. **List of Doctors**
   2. **Appointment** 
      1. List Appointment
      2. Add New Appointment
   3. **Appointment Medication** 
      1. List of Appointment Medicine
   4. **Treatment Medication** 
      1. List of Treatment Medicine