**Clinic OPD Booking System**

### Introduction:

The Clinic OPD booking system is an essential requirement for our healthcare organization to efficiently manage patient appointments and improve the overall patient experience. The objective of this system is to streamline the patient booking process, reduce wait times, and enhance the quality of care provided to patients. This business requirement document outlines the functional and non-functional requirements of the Clinic OPD Booking System.

### Functional Requirements:

1. Patient Registration: The system should allow patients to register their information, such as name, contact details, medical history, and insurance details, before booking an appointment.
2. Appointment Booking: The system should enable patients to book an appointment with their preferred doctor on a specified date and time.
3. Appointment Management: The system should allow doctors to manage their appointments, view patient details, and update appointment statuses (e.g., confirmed, canceled, rescheduled).
4. Doctor Scheduling: The system should allow doctors to manage their schedules and availability.
5. Reminders and Notifications: The system should send appointment reminders and notifications to patients and doctors via SMS or email.
6. Cancellation and Rescheduling: The system should allow patients to cancel or reschedule their appointments, subject to the availability of doctors and time slots.
7. Patient Queue Management: The system should enable staff to manage the patient queue and ensure patients are attended to on time.

### Non-Functional Requirements:

1. Performance: The system should be able to handle a high volume of appointment bookings and patient registrations without any performance degradation.
2. Security: The system should be secure and protect patient data from unauthorized access or disclosure.
3. Availability: The system should be available 24/7, with minimal downtime for maintenance.
4. Usability: The system should be user-friendly and easy to navigate for both patients and staff.
5. Compatibility: The system should be compatible with different devices and operating systems, including desktops, laptops, and mobile devices.
6. Scalability: The system should be scalable and able to handle an increasing number of users and appointments as the organization grows.

### Conclusion:

The Clinic OPD Booking System is a critical requirement for our healthcare organization to improve patient care and manage appointments efficiently. The functional and non-functional requirements outlined in this business requirement document will ensure the successful implementation and adoption of the system.

**Database Template**

1. Table Name: Patient

Columns:

* Patient ID
* First Name
* Last Name
* Contact Details
* Medical History
* Insurance Details

1. Table Name: Appointment

Columns:

* Appointment ID
* Patient ID (Foreign Key)
* Doctor ID (Foreign Key)
* Appointment Date
* Appointment Time
* Status (Confirmed, Cancelled, Rescheduled)

1. Table Name: Doctor

Columns:

* Doctor ID
* First Name
* Last Name
* Contact Details
* Specialization

1. Table Name: Schedule

Columns:

* Schedule ID
* Doctor ID (Foreign Key)
* Day of Week
* Time Slot
* Availability

1. Table Name: Reminder

Columns:

* Reminder ID
* Appointment ID (Foreign Key)
* Reminder Type (SMS or Email)
* Reminder Date

1. Table Name: Queue

Columns:

* Queue ID
* Appointment ID (Foreign Key)
* Queue Number
* Queue Status (Waiting, In Progress, Completed)