### **1. Project Undesrstanding and Use Case Document**

**Purpose**: Provide a high-level overview of the appointment booking portal, detailing each actor’s roles and interactions.

**Sections to Include**:

* **Introduction**: Briefly explain Dr. Neha’s goal and the purpose of the application.
* **Actors & Roles**:
  + **Patient**: Can sign up, book appointments, receive confirmations, and manage bookings.
  + **Receptionist**: Manages appointment slots and confirms bookings.
  + **Doctor**: Views the schedule by day or week.
* **Use Cases**:
  + **Patient Use Cases**:
    - **Sign Up/Log In**: Register using name and phone number, verify via OTP, and log in.
    - **Book Appointment**: View available slots, select a slot, and confirm the booking.
    - **Manage Appointment**: View, cancel, or reschedule bookings and receive notifications.
  + **Receptionist Use Cases**:
    - **Log In**: Authenticate via phone number and OTP.
    - **Manage Slots**: Set weekly slots by specifying date and time.
    - **Confirm Appointments**: Review and approve patient bookings.
  + **Doctor Use Cases**:
    - **Log In**: Authenticate via phone number and OTP.
    - **View Appointments**: See schedule by day or week.