

Summary Report:

Summary Report for Dr. Neha's Clinic Appointment Booking System

Overview

Dr. Neha, a respected gynecologist with over 10 years of experience, is establishing her own clinic near her residence in New Delhi. She requires a web-based appointment booking portal for patients, with additional roles for the receptionist to manage bookings and the doctor to view schedules.

The primary goal of the portal is to allow **patients** to book, modify, or cancel appointments, **receptionists** to manage and confirm appointment slots, and **doctors** to track appointments for the week. The system also includes functionalities like OTP-based login, SMS notifications, and slot management for appointment scheduling.

Key System Features

1. **Patient Use Cases**
 - **Sign Up:** Patients provide their name and phone number to create an account. An OTP is sent to verify the phone number.
 - **Login:** Returning patients log in with their phone number and an OTP for authentication.
 - **View Available Slots:** Patients can check the available slots for appointments.
 - **Book Appointment:** Patients select a slot and book an appointment.
 - **SMS Confirmation:** After booking, patients receive an SMS confirming the appointment.
 - **View and Modify Appointments:** Patients can view their booked appointments and have the option to cancel or reschedule.
2. **Receptionist Use Cases**
 - **Login:** Receptionists log in using their phone number and OTP.

- **Manage Appointment Slots:** Receptionists can add, update, or delete available time slots for appointments based on the doctor's availability for the week.
- **View and Confirm Appointments:** Receptionists can view all booked appointments and confirm them.

3. **Doctor Use Cases** ○ **Login:** Doctors log in to the portal using their phone number and OTP.

- **View Weekly Schedule:** Doctors can view the full week's schedule of appointments.
- **View Daily Appointments:** Doctors can check their daily appointment list.

Summary Report:

- Test Cases Positive: 09
- Test Cases Negative: 09
- Total Test Cases Passes: 18
- Bug Report: 08
- Failed: 0

Technical & Non-Technical Considerations:

1. **Platform:** The web-based application should be compatible across various devices, such as desktops, tablets, and smartphones.
 2. **Integration:** The system may require integration with SMS gateways for appointment notifications.
 3. **Future Enhancements:** Consider potential features like integrating online payment for appointments or adding video consultation capabilities.
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Conclusion

This clinic appointment booking system is designed to streamline the booking process, making it easier for patients to schedule appointments, while also helping the receptionist and doctor efficiently manage their tasks. In an interview context, understanding the full flow of the system, the challenges that may arise, and the technical details around OTP authentication and slot management will be key to discussing the project effectively.