**Assumptions:**

1. The application will have a calendar feature to view the availability of doctors and book appointments accordingly.
2. The application will have a feature to send SMS to patients for appointment confirmation and reminders.
3. The application will have a feature to cancel or modify the appointment with certain terms and conditions.
4. The application will have a feature to view the appointment history of each patient for future reference.
5. The application will have a feature to mark appointments as completed or reschedule the same if required.
6. The receptionist will be responsible for managing appointment slots and confirming appointments for the day.
7. The doctor will be responsible for managing appointments for the week and rescheduling the same if required.
8. Patients can view the availability of doctors and book appointments accordingly.
9. Patients need to verify their phone numbers using OTP to prevent fake bookings.
10. The application will have a login feature to keep track of appointments and for security reasons.

**Test Cases for Patient:**

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| **Test Cases Name:** | **Steps:** | **Result:** |
| **Verify patient registration functionality** | **a. Enter a valid name and phone number.**  **b. Click on the "Sign Up" button.**  **c. Verify that an OTP is generated and sent to the registered phone number.** | **Patient should be able to register successfully and receive an OTP.** |
| **Verify patient login functionality** | **a. Enter the registered phone number and valid OTP.**  **b. Click on the "Login" button.** | **Patient should be able to log in successfully.** |
| **Verify appointment booking functionality** | **a. Login to the portal using valid credentials.**  **b. View the available slots for appointment.**  **c. Book an appointment for a specific date and time.** | **Patient should be able to book the appointment successfully and receive an SMS confirmation.** |
| **Verify appointment modification functionality** | **a. Login to the portal using valid credentials.**  **b. View the booked appointments.**  **c. Modify the appointment by changing the date or time.** | **Patient should be able to modify the appointment successfully and receive an SMS confirmation.** |
| **Verify appointment cancellation functionality** | **a. Login to the portal using valid credentials.**  **b. View the booked appointments.**  **c. Cancel the appointment.** | **Patient should be able to cancel the appointment successfully and receive an SMS confirmation.** |

Test Cases for Receptionist:

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| **Test Cases Name:** | **Steps:** | **Result:** |
| Verify receptionist login functionality | a. Enter the registered phone number and valid OTP.  b. Click on the "Login" button. | Receptionist should be able to log in successfully. |
| Verify appointment slot management functionality | a. Login to the portal using valid credentials.  b. Enter the date and time for appointment slots.  c. Verify that the slots are added successfully. | Receptionist should be able to manage appointment slots successfully. |
| Verify appointment confirmation functionality | a. Login to the portal using valid credentials.  b. View the appointments for the day.  c. Confirm the appointments. | Receptionist should be able to confirm appointments successfully. |

Test Cases for Doctor:

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| **Test Cases Name:** | **Steps:** | **Result:** |
| Verify doctor login functionality | a. Enter the registered phone number and valid OTP.  b. Click on the "Login" button. | Doctor should be able to log in successfully. |
| Verify appointment schedule functionality | a. Login to the portal using valid credentials.  b. View the appointments for the week.  c. Verify that the appointments are displayed correctly. | Doctor should be able to view the appointments schedule for the week. |
| Verify appointment details functionality | a. Login to the portal using valid credentials.  b. View the appointments for the day.  c. Verify the patient details and appointment timings. | Doctor should be able to view the appointment details successfully. |
| Verify appointment completion functionality | a. Login to the portal using valid credentials.  b. View the appointments for the day.  c. Mark the appointment as completed. | Doctor should be able to mark the appointment |