**Patient Data Accuracy**

1. Test Case ID: TC01

- Objective : Verify that patient demographic data can be entered correctly.

- Preconditions : User is logged in with administrative privileges.

- Test Steps : Enter various patient details (name, age, address) and save.

- Expected Result : Data matches the input after saving.

- Test Data : Name: "John Doe", Age: "30", Address: "1234 Elm Street"

- Test Environment : Web application on Chrome browser, Windows 10.

2. Test Case ID: TC02

- Objective : Ensure the system detects duplicate patient records.

- Preconditions : At least one patient record already exists.

- Test Steps : Attempt to register a patient with details identical to an existing record.

- Expected Result : System alerts about the duplicate and does not create a new record.

- Test Data : Use the existing patient's details for duplication.

- Test Environment : Web application on Chrome browser, Windows 10.

3. Test Case ID: TC03

- Objective : Validate the system's ability to update patient details.

- Preconditions : User is logged in, and at least one patient record exists.

- Test Steps : Modify an existing patient's phone number and save the changes.

- Expected Result : Updated information is accurately reflected in the system.

- Test Data : New Phone Number: "555-1234"

- Test Environment : Mobile application on iOS.

**Medication Tracking**

4. Test Case ID: TC06

- Objective : Verify that medication details can be accurately entered.

- Preconditions : User is logged in, and a patient profile is selected.

- Test Steps : Enter medication name, dosage, and frequency for a patient.

- Expected Result : Medication details are correctly saved and displayed.

- Test Data : Medication Name: "Aspirin", Dosage: "100mg", Frequency: "Twice a day"

- Test Environment : Desktop application on Windows 10.

**Appointment Scheduling**

5. Test Case ID: TC11

- Objective : Verify appointment scheduling functionality.

- Preconditions : User is logged in and at the healthcare provider's scheduling portal.

- Test Steps : Schedule a new appointment by selecting a date, time, and healthcare   
 provider.

- Expected Result : Appointment is booked and visible in the system calendar.

- Test Data : Date: "2024-06-15", Time: "10:00 AM", Provider: "Dr. Smith"

- Test Environment : Web application on Firefox browser, macOS.