AI-Assisted Requirements Candidates – Clinic Appointment System

Scenario

A small clinic manages appointments using phone calls and spreadsheets, leading to double bookings, missed appointments, and compliance issues.

Task

Use **Notion AI** to transform elicitation notes into structured requirements candidates.

1. Create a **Notion page** titled:

   "AI-Assisted Requirements Candidates – Clinic Appointment System"

2. Paste the following **elicitation notes** into the page:
   - Manual spreadsheet-based scheduling
   - Doctors require buffer time between appointments
   - Patients want SMS/email reminders
   - IT team requires audit logs
   - Medical details cannot be shared via SMS
3. Use **Notion AI** to:
   - Summarize the key problems
   - Generate **requirements candidates**
   - Classify them as **Functional / Non-Functional / Constraint**

Solution

Elicitation Notes

Manual spreadsheet-based scheduling
Doctors require buffer time between appointments
Patients want SMS/email reminders
IT team requires audit logs
Medical details cannot be shared via SMS

Based on the elicitation notes, the key problems in the current clinic appointment process are:

- **Inefficient scheduling system**: The clinic relies on manual spreadsheet-based scheduling, which is prone to errors and can lead to double bookings and missed appointments.
- **Lack of scheduling flexibility**: Doctors need buffer time between appointments, but the current system doesn't accommodate this requirement effectively.
- **No automated patient communication**: Patients want SMS/email reminders, but the current phone-based system doesn't provide automated notifications, contributing to missed appointments.
- **Insufficient audit capabilities**: The IT team requires audit logs, which aren't available in the spreadsheet-based approach, creating compliance issues.
- **Privacy and security concerns**: Medical details cannot be shared via SMS, requiring careful consideration of what information is communicated through automated reminders.

Requirements Candidates

Functional Requirements

1. The system shall provide automated appointment scheduling to prevent double bookings.
2. The system shall allow doctors to configure buffer time between appointments.
3. The system shall send appointment reminders to patients via SMS and email.
4. The system shall maintain audit logs of all appointment-related actions.

Non-Functional Requirements

1. The system shall ensure secure access to patient and appointment data.
2. The system shall be reliable during clinic working hours.
3. The system shall support compliance with healthcare regulations.

Constraints

1. Medical or sensitive patient details must not be shared via SMS.
2. The system must work within the clinic's existing IT infrastructure.