Forward Deployed Engineer

Overview

Before a medical appointment, clinics must collect basic intake information from patients—reason for visit, symptoms, duration, severity, current medications, and allergies. This is often done manually over the phone or at check-in, leading to incomplete or inconsistent information.

Build a **multi-turn conversational agent** that prepares a patient for an upcoming appointment by gathering all required intake details in natural language. The agent should ask follow-up questions when information is missing or vague, confirm unclear responses, and produce a structured summary for the clinician.

This problem does *not* require a large medical dataset. The agent operates purely on conversation and a small internal dictionary of example symptoms and medications.

Requirements

- Multi-turn conversational UI.
- Agent must:
    - Interpret patient statements.
    - Ask clarifying questions when responses are incomplete.
    - Identify key intake attributes (reason, duration, severity, symptoms, meds, allergies).
    - Confirm uncertain information.
    - Produce a structured summary.
- Support interactions such as:
    - “I’ve had stomach pain for a few days.” → ask for duration + severity.
    - “I take something for blood pressure.” → ask for name or provide suggestions.
    - “I feel nauseous.” → ask whether it is new, severe, or associated with other symptoms.

Deliverables

- Demo of the system and executable codebase
- High level overview of the solution