Calendar- Driven AI Scheduling Agent
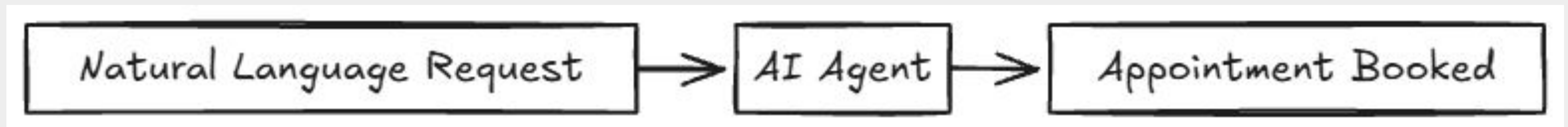
BY

Team 15 (Hridyesh Singh Bisht)
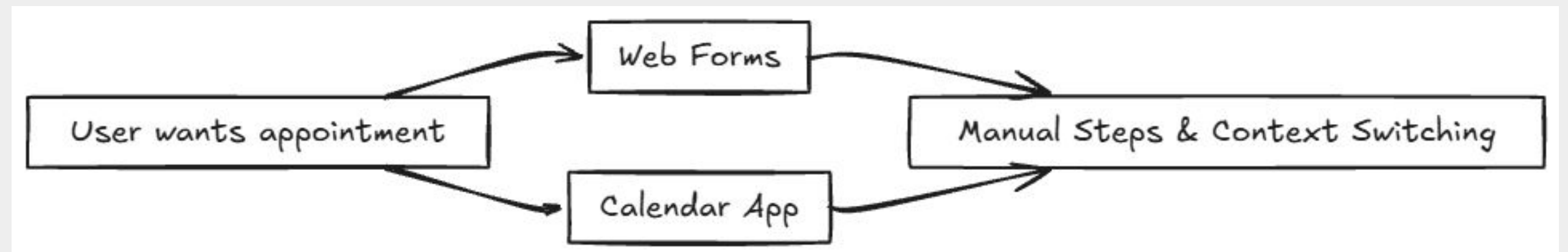
Calendar-Driven AI Scheduling Agent

I built an AI agent that lets users book real appointments directly from natural language, using calendars as the source of truth instead of web forms.

Natural Language Request → AI Agent → Appointment Booked

The Problem

Scheduling is still broken
- Booking requires:
  - Switching apps
  - Filling forms
  - Manual calendar checks

- Calendars already contain the truth
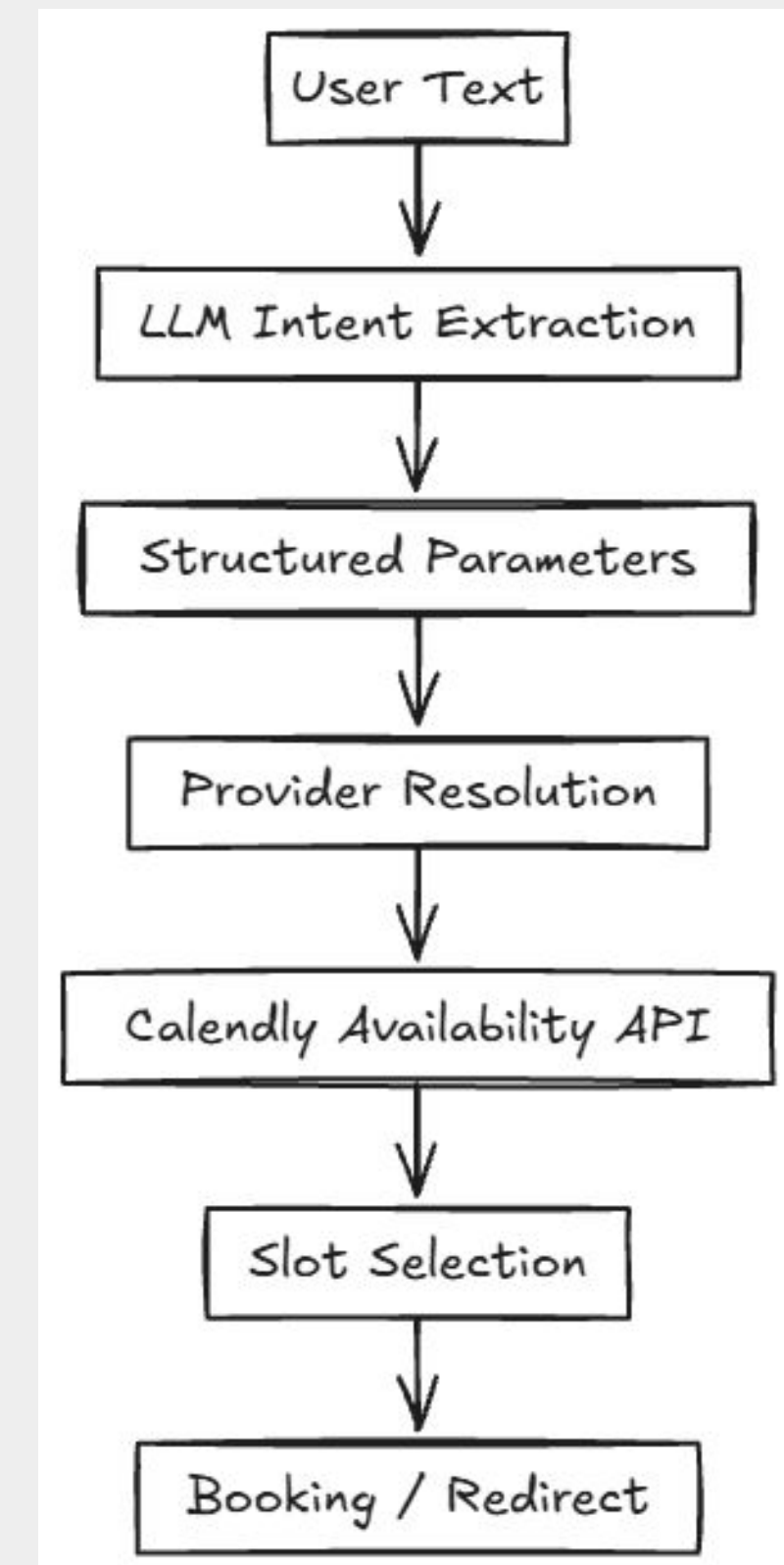- AI assistants rarely act — they just suggest

Book appointments *from the calendar*

"Book a therapy session with Dr. X at 8 pm tomorrow"

The agent:

1. Understands intent

2. Extracts structured parameters

3. Checks real availability

4. Books or redirects seamlessly

Intent Understanding

LLM as a *structured parser*

We extract:

- Service type

- Provider

- Preferred datetime (timezone-aware)

- Duration

- Mode (online / in-person)

Output is **strict JSON**, not text.
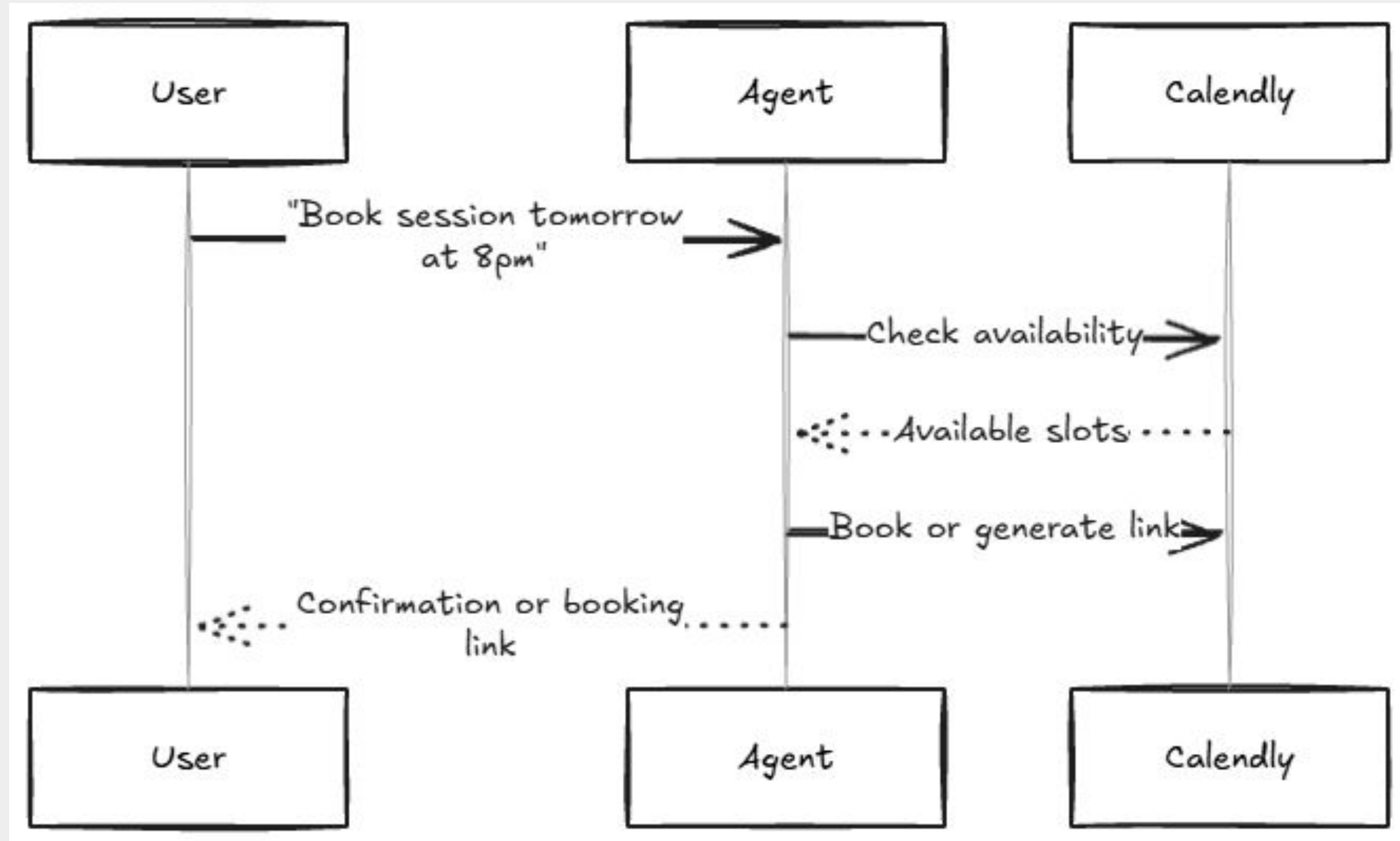
Availability Intelligence
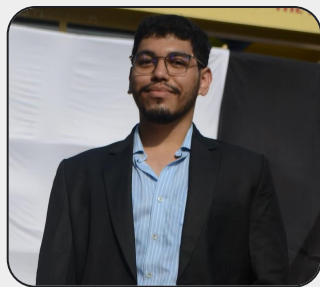
Calendly returns:

- Start times only (UTC)

We compute:

- End times

- Local time display

- Human-friendly ranges

Availability Intelligence

Thank You

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Technical knowledge specialist

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