

# Calendar- Driven AI Scheduling Agent

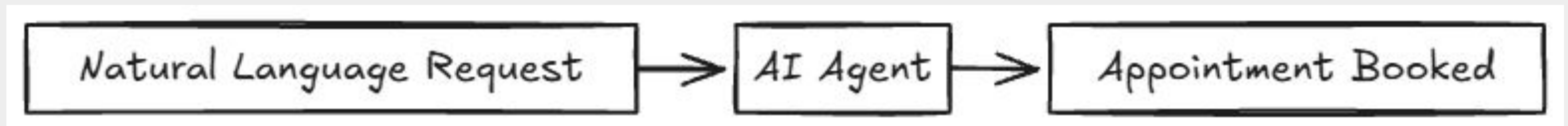
By

Team 15 (Hridyesh Singh Bisht)



## Calendar-Driven AI Scheduling Agent

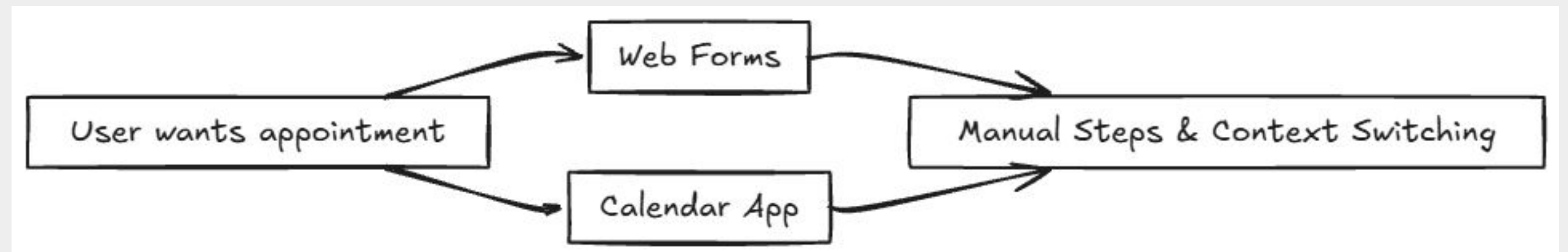
I built an AI agent that lets users book real appointments directly from natural language, using calendars as the source of truth instead of web forms.



## The Problem

Scheduling is still broken

- Booking requires:
  - Switching apps
  - Filling forms
  - Manual calendar checks
- Calendars already contain the truth

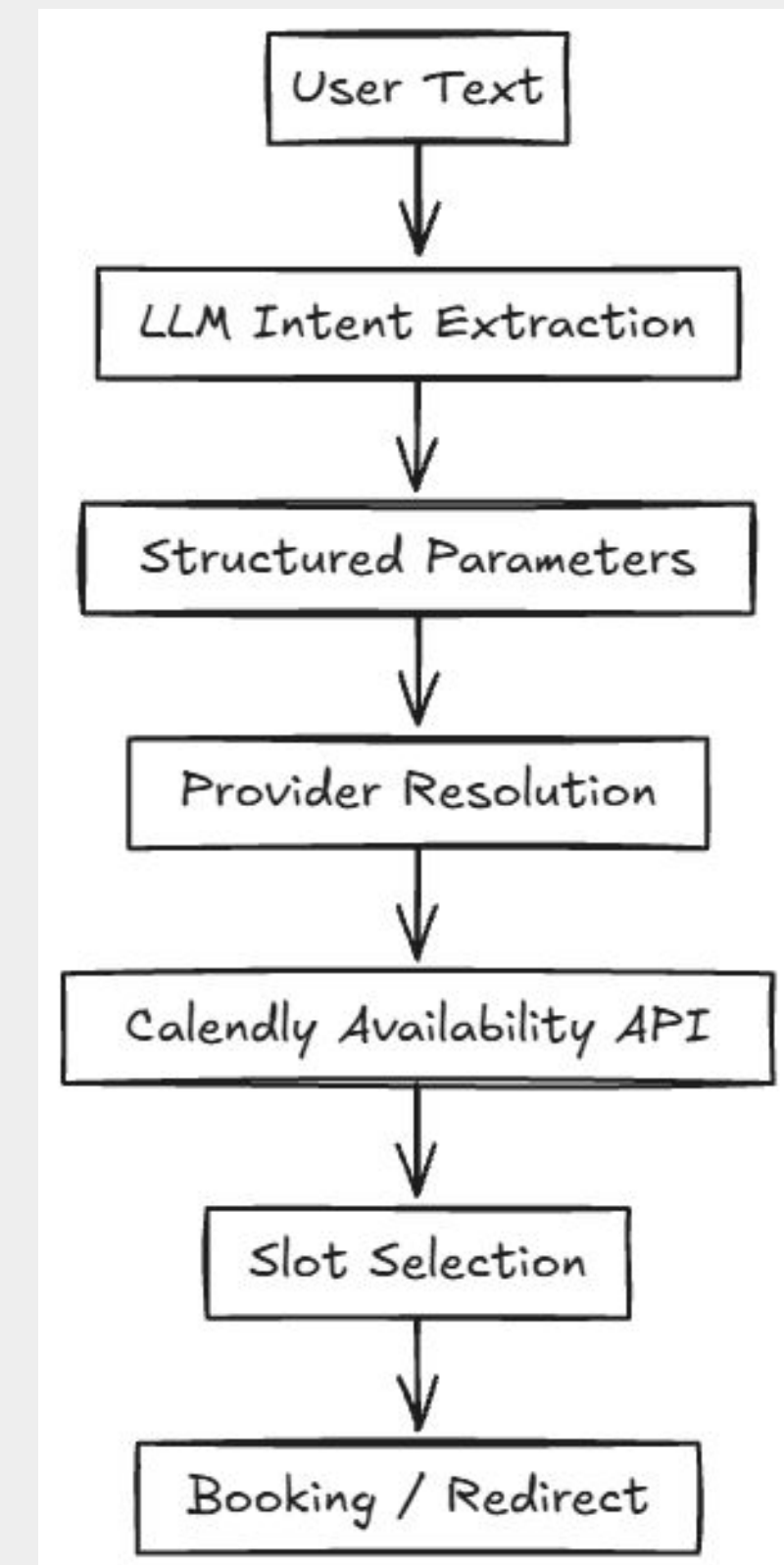


## Book appointments *from the calendar*

“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**, I extracted:

- Service type
- Provider
- Preferred datetime (timezone-aware)
- Duration
- Mode (online / in-person)

Output is **strict JSON**, not text.

# Availability Intelligence

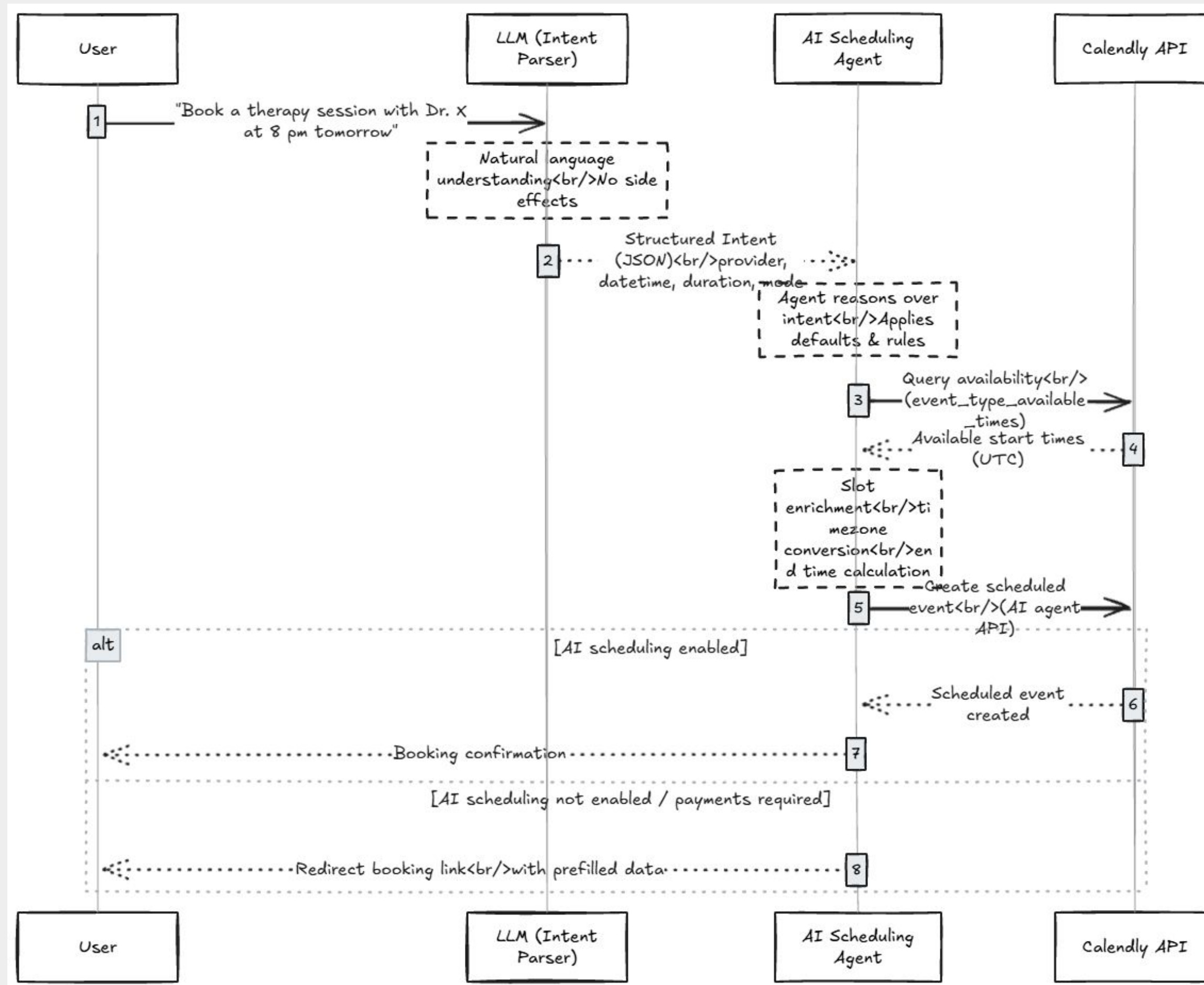
Calendly returns:

- Start times only (UTC)

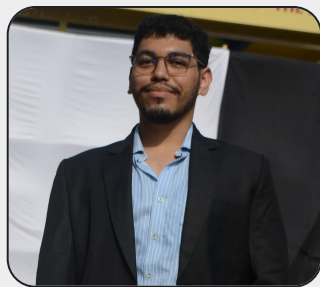
I compute:

- End times
- Local time display
- Human-friendly ranges

# Architecture



# Thank You



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Technical knowledge specialist

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