



Your Mission 🚀

Build a **conversational AI agent** that can assist users in booking appointments on your Google Calendar. The agent should be capable of engaging in a natural, back-and-forth conversation with the user, understanding their intent, checking calendar availability, suggesting suitable time slots, and confirming bookings — all seamlessly through chat.

Technical Stack Requirements 🛠️

- **Backend:** Python with FastAPI
 - **Agent Framework:** LangGraph or Langchain
 - **Frontend:** Build the chat interface using **Streamlit**
 - **LLM/Chat Model:** Use any LLM API like **Gemini**, **Grok**, etc., to power the natural language understanding.
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Google Calendar Integration Instructions

- Use a Service Account for integrating with Google Calendar (no need to implement OAuth).
 - Please connect your google calendar or create and connect a test calendar, booking will be done in this connected calendar.
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Your Final Submission

- **Host both the backend and frontend** using a platform like **Railway**, **Render**, **Fly.io**, etc.
- Your final submission must include a working **Streamlit URL**, where I will test the booking functionality live. Also include the **Github** code link.
- Ensure the bot is fully functional and conversational.

Hint: Use function calling / tool calling feature to manage booking via agent.