

TOC 2025 Final Project

- Example of Real-time Weather Agent



► OUTLINE

- Agent Description
- Demo
- Tutorial

►Agent Description

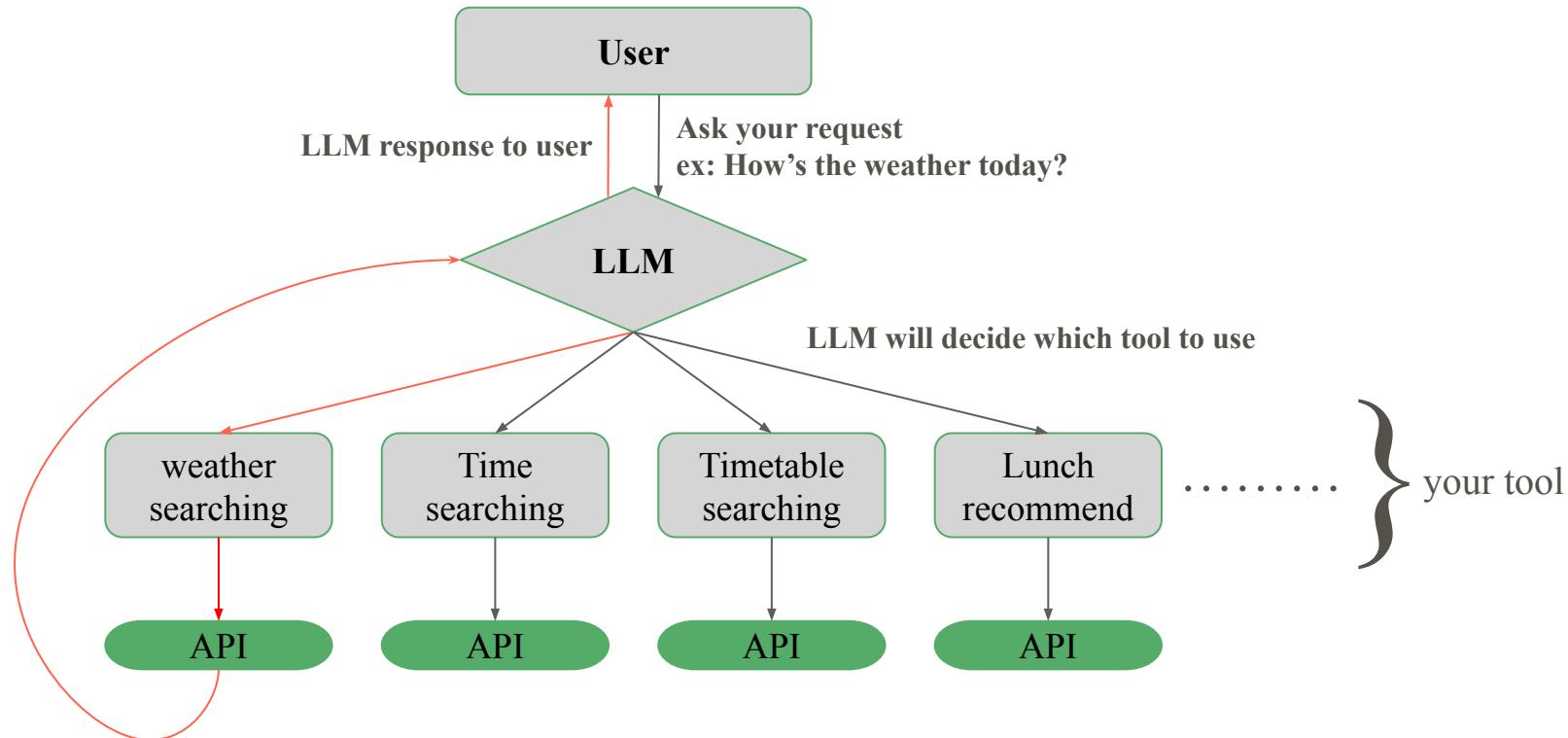
- A program that can **understand user requests** and **take actions automatically**
- It can **decide which tool or API to use** based on what the user says

Agent Description

What Does Our Agent Do?

- It acts as a **Weather Agent** that checks **real-time weather information**.
- When a user asks questions like “What's the weather in New York right now? ”, the agent automatically:
 1. Understands the location and time.
 2. Calls the weather API.
 3. Returns a simple answer, e.g., “It's cloudy and 12°C in New York.”

Flow Chart



Your tool may call API and give a response to LLM

►Demo

Tutorial

- LLM API: same as ollama API but requires API key
 - [Ollama API documentation](#)
 - when calling the HTTP API, use **Bearer <your-api-key>** in the **Authorization** of your request header, while replacing <your-api-key> with your api key
- OpenWebUI
 1. Run Open WebUI: [Document](#)
 2. Connect OpenWebUI with Ollama: [Document](#)
 3. Write code for tool and enable them for LLM: [Document](#)
 - ! Using existing examples will only get encouragement score
- You can also use other framework/UI or write your own as long as the requirements are met

►FSM example

