Building agents the LangGraph way!

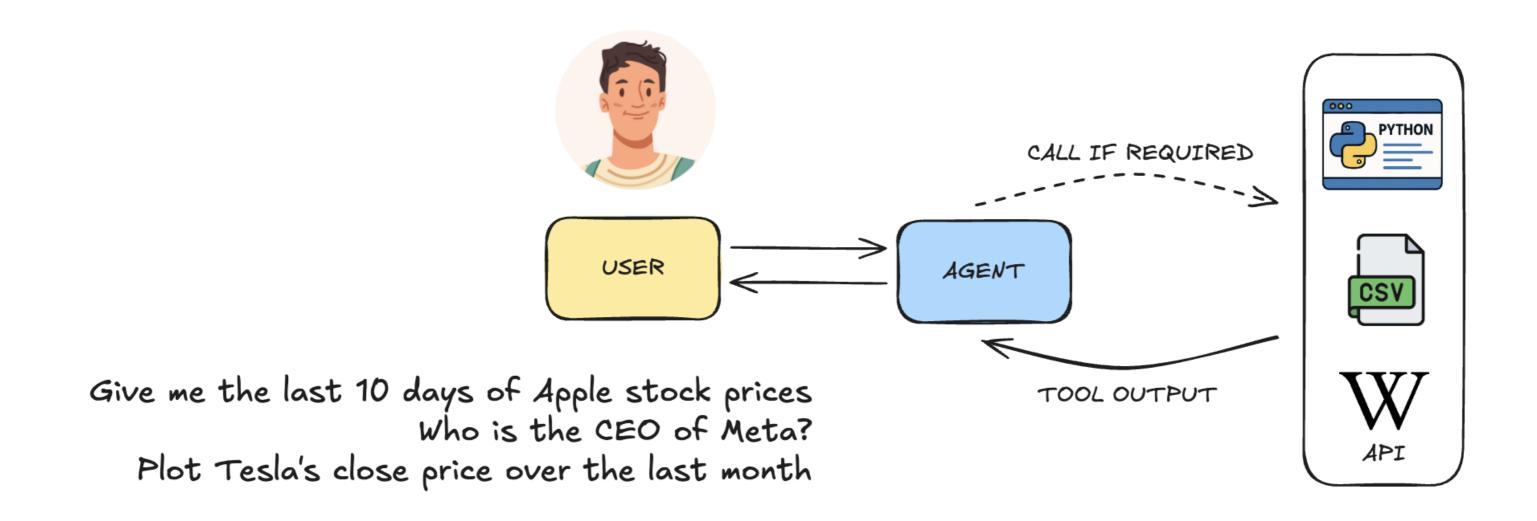
MULTI-AGENT SYSTEMS WITH LANGGRAPH



James Chapman
Curriculum Manager, DataCamp



What you'll build...



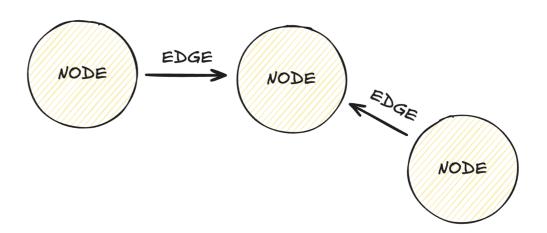
Agents: the LangGraph way!



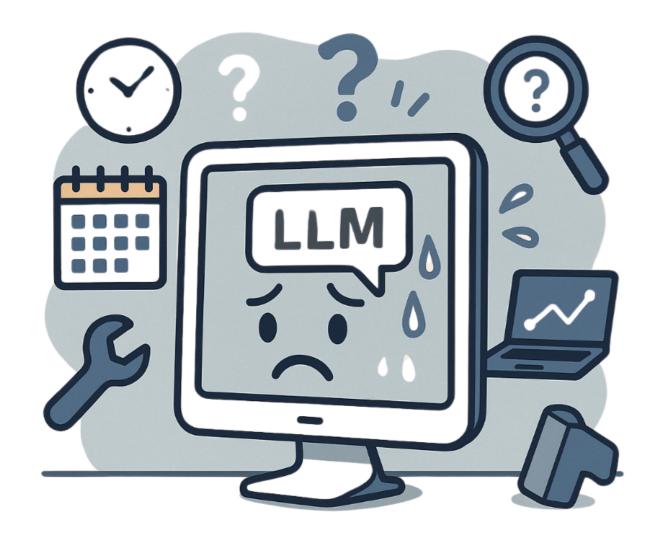
LangChain

LangGraph

 Build and orchestrate productionready agentic workflows



Limitations of LLMs

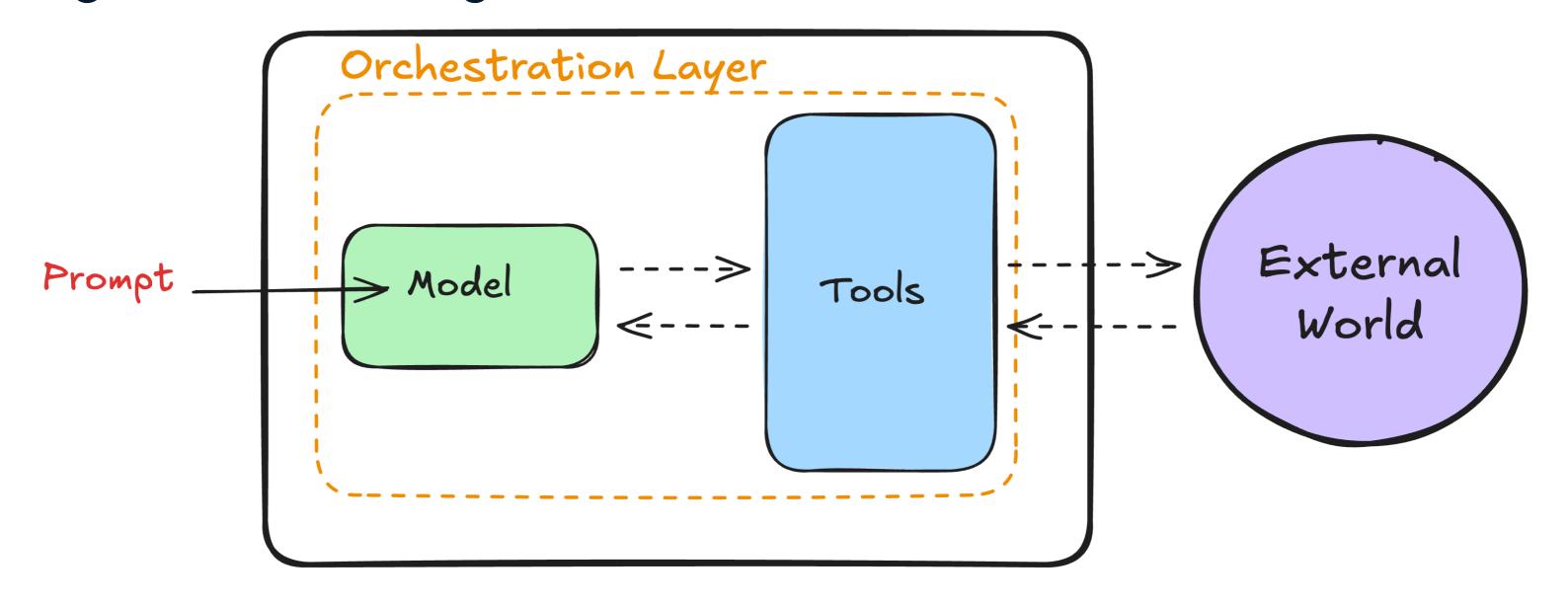


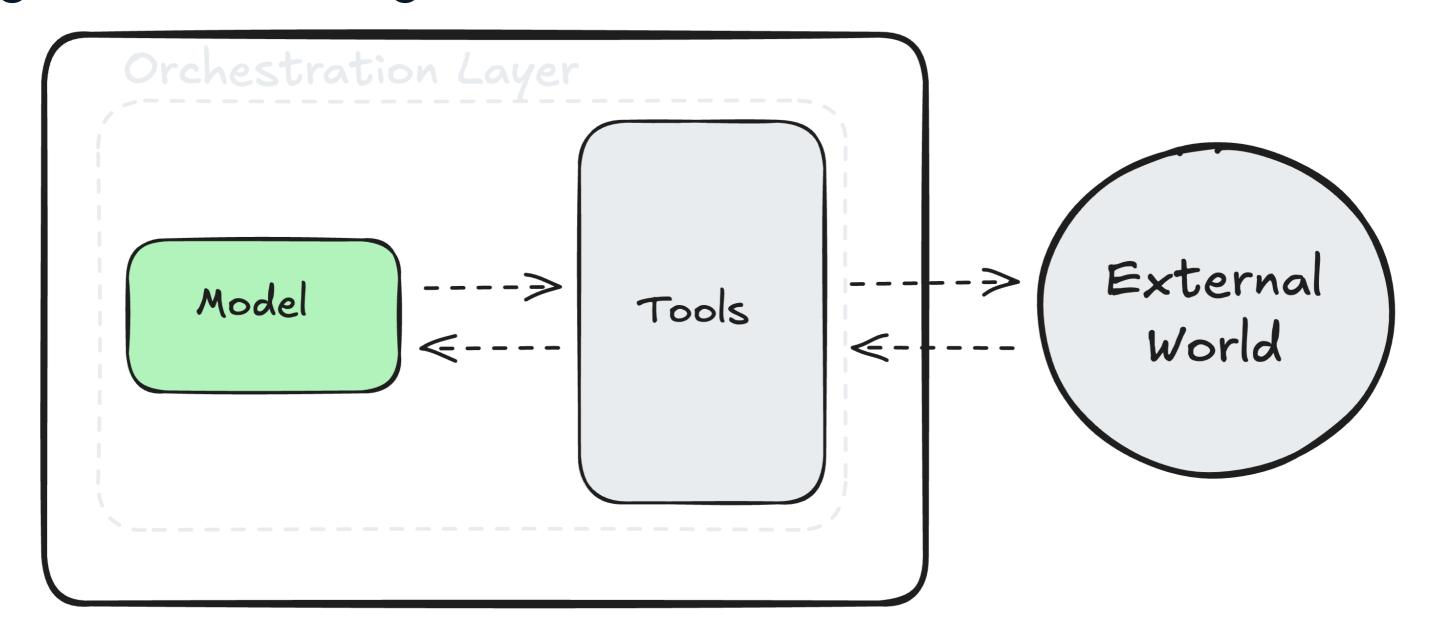
- Knowledge cutoff based on training data
- 2. Trained to generate specific modalities (text, images, etc.)

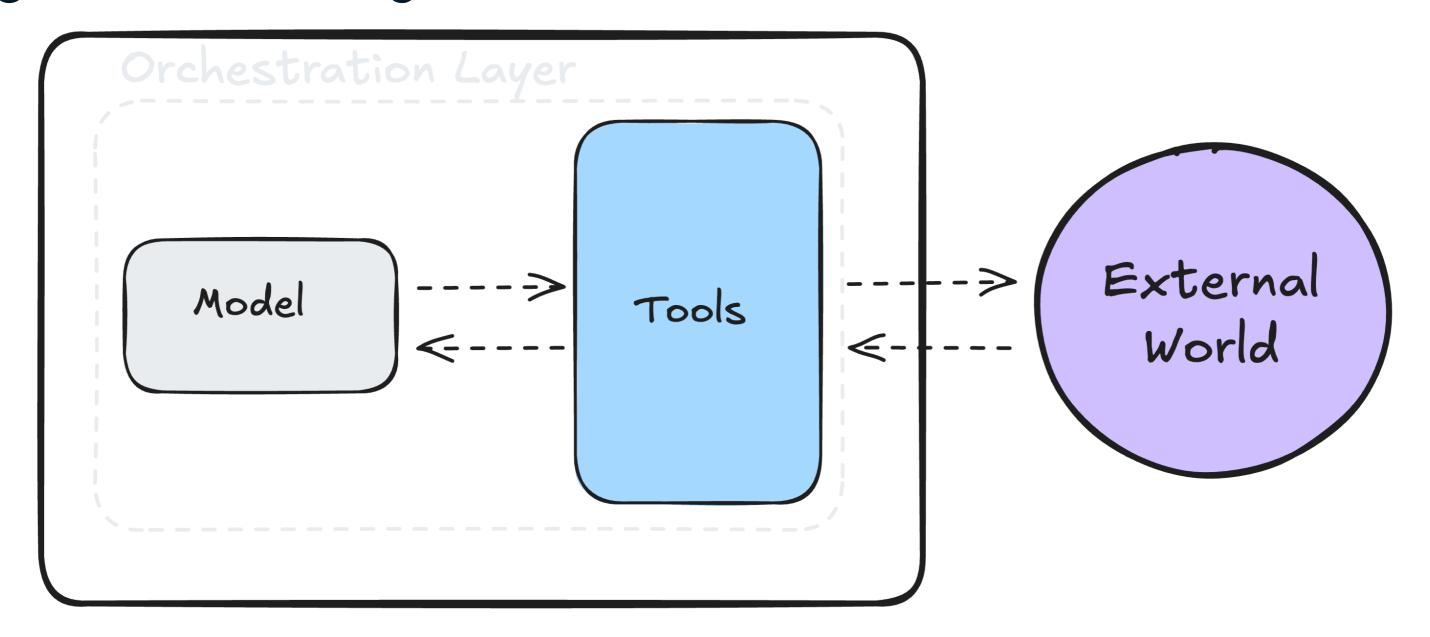
- LLM ≠ Agent
- Agents → LLM + *Tools*

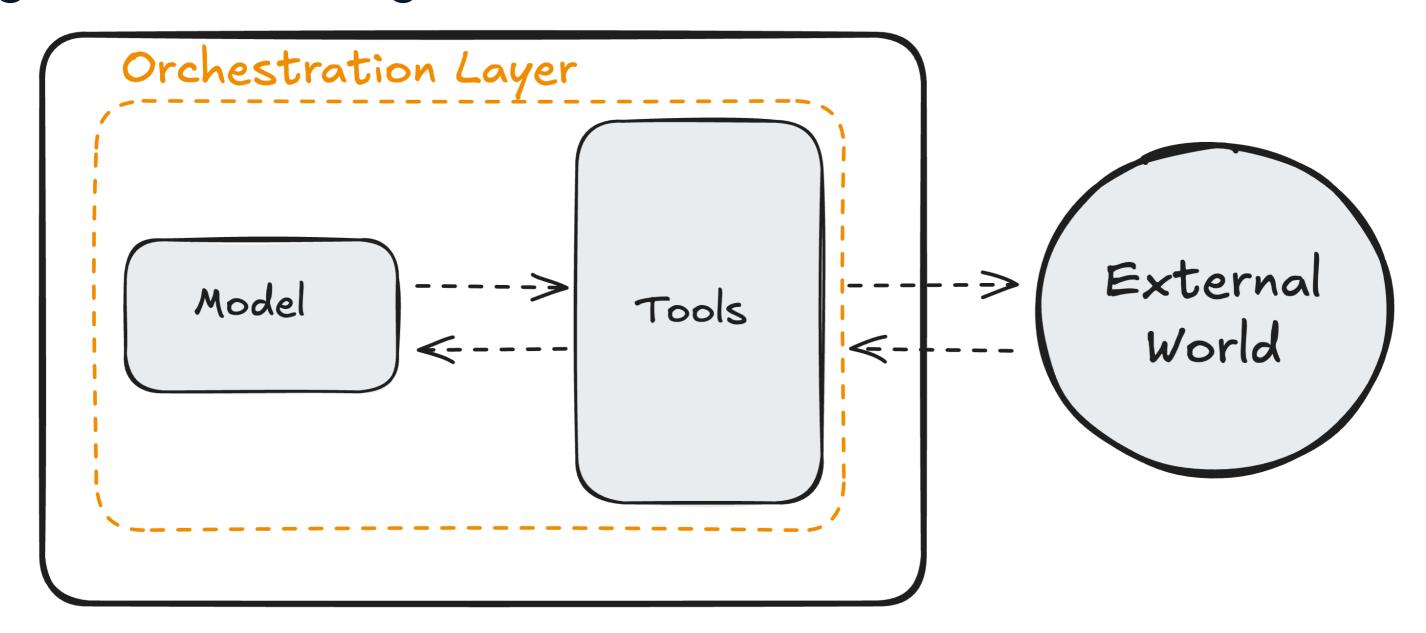
¹ Image created with GPT-40



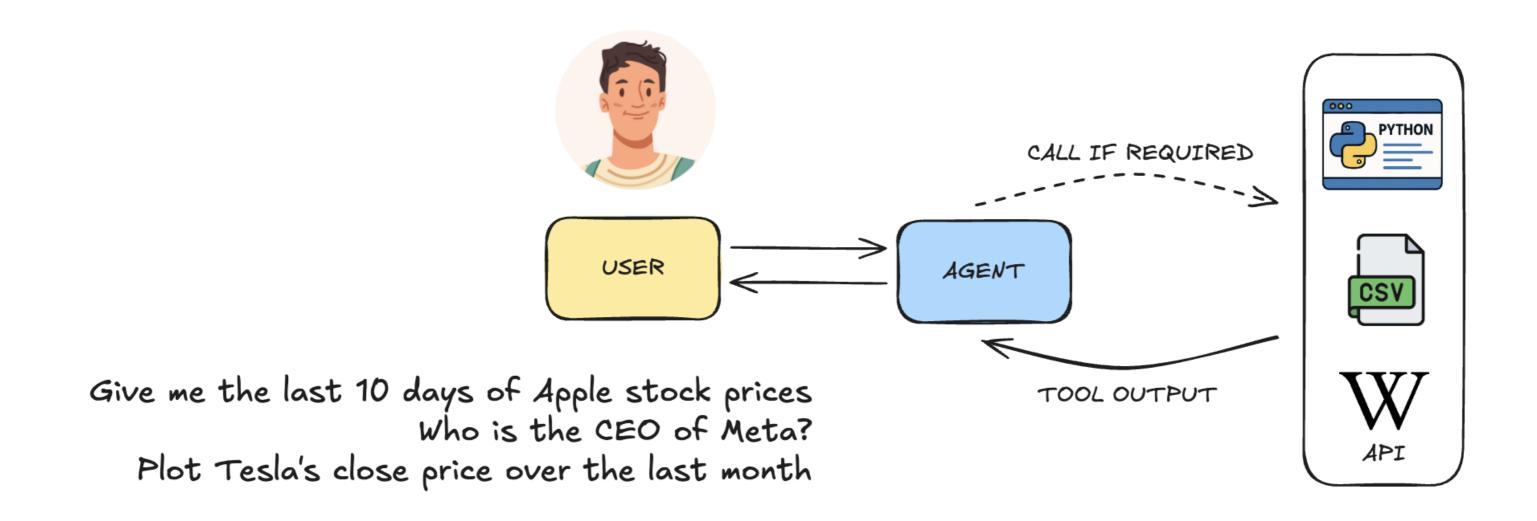




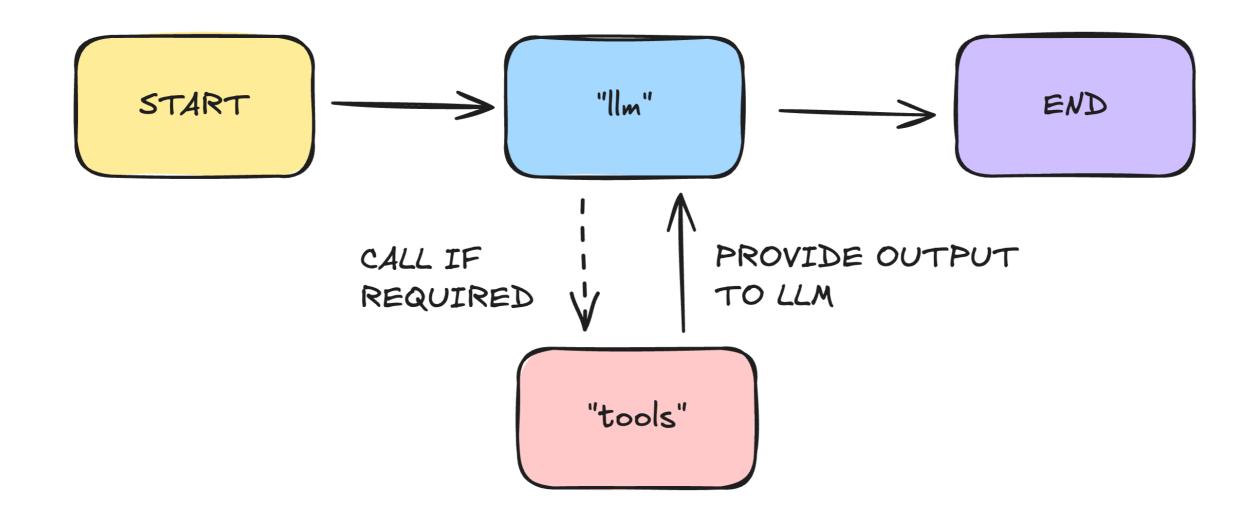


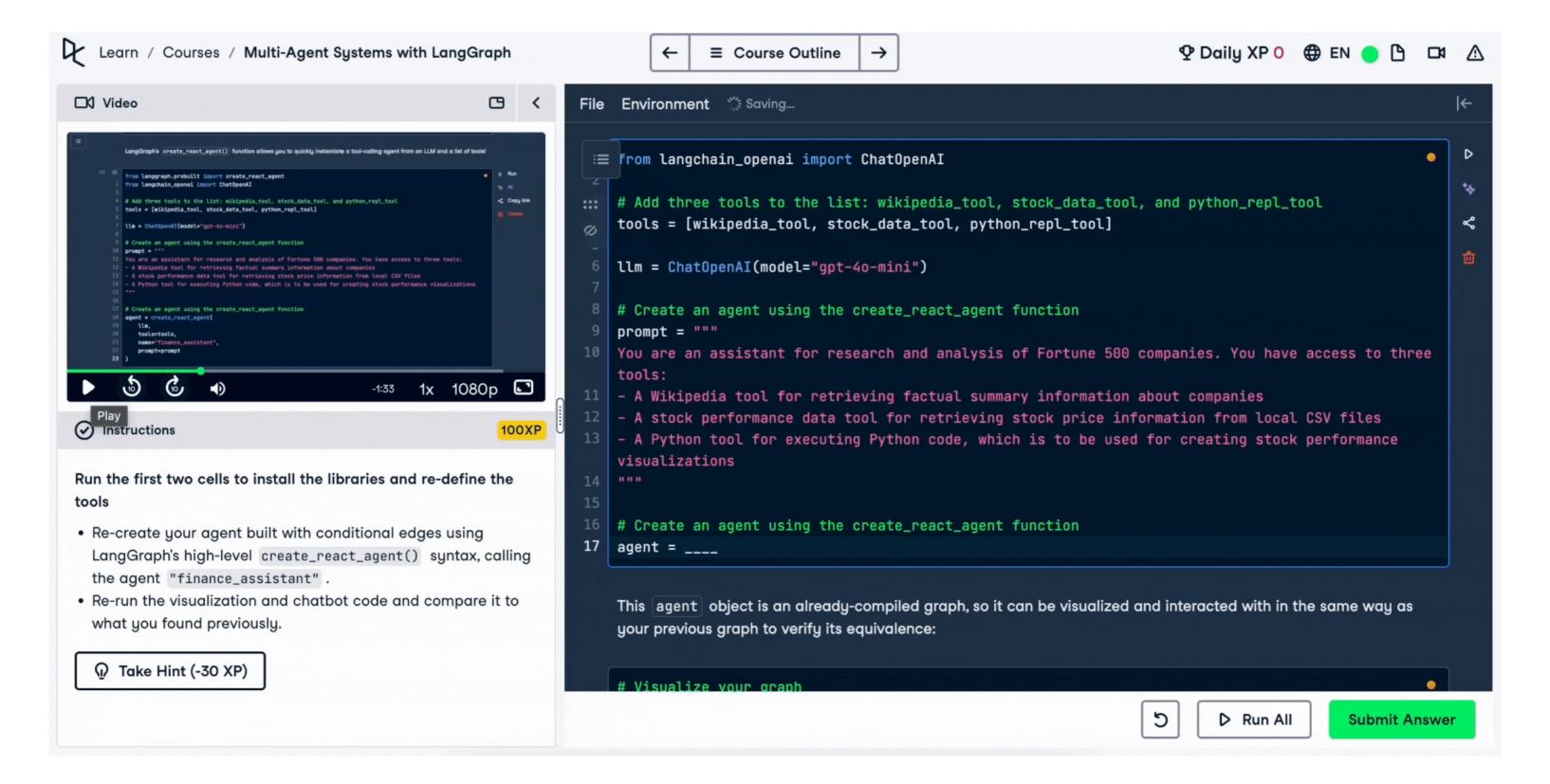


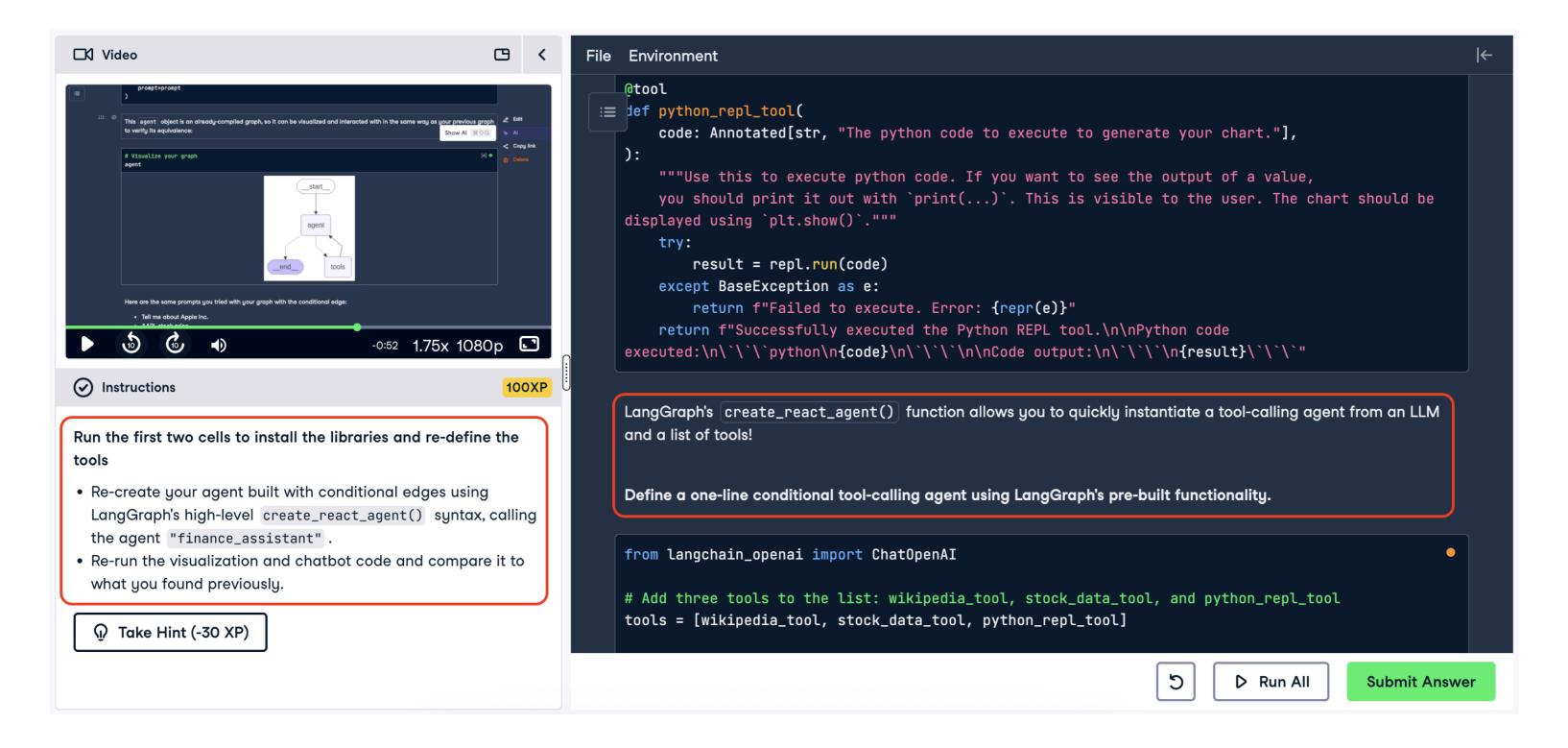
What you'll build...



Nodes and edges









Agent toolbox: Wikipedia tool

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Full Name Instructor





Agent toolbox: stock data tool

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Agent toolbox: Python tool

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Agentic orchestration with LangGraph

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Your first agent!

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