

Course Objectives

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Key Objectives

- Understand key components of LangGraph
- Learn the building blocks of Agentic Al Systems
- Build Simple Agentic Al Systems with LangGraph
- Build Advanced Agentic Al Systems with LangGraph



Key Components of LangGraph







Agent States & Messages

Directed Graphs

Nodes



Edges



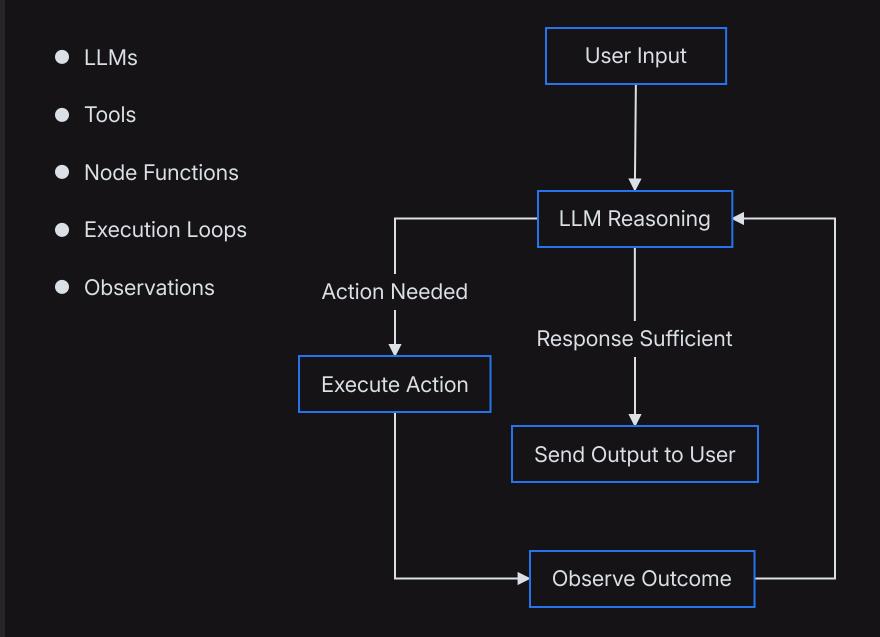
Conditional Edges



Memory & Threads



The Agent Loop





Build Simple Agentic Al Systems with LangGraph



Simple LLM-Powered Chatbots



Augmented LLM with Tools



Simple Tool-Based ReAct Agents



Build Advanced Agentic Al Systems with LangGraph



Design, Architect and Develop Complex Agentic Al Systems



Multi-User Conversational Agentic Al Systems



Reflection, Planning and Multi-Agent Systems



Agentic Al Systems combining popular Agentic design patterns



Thanks