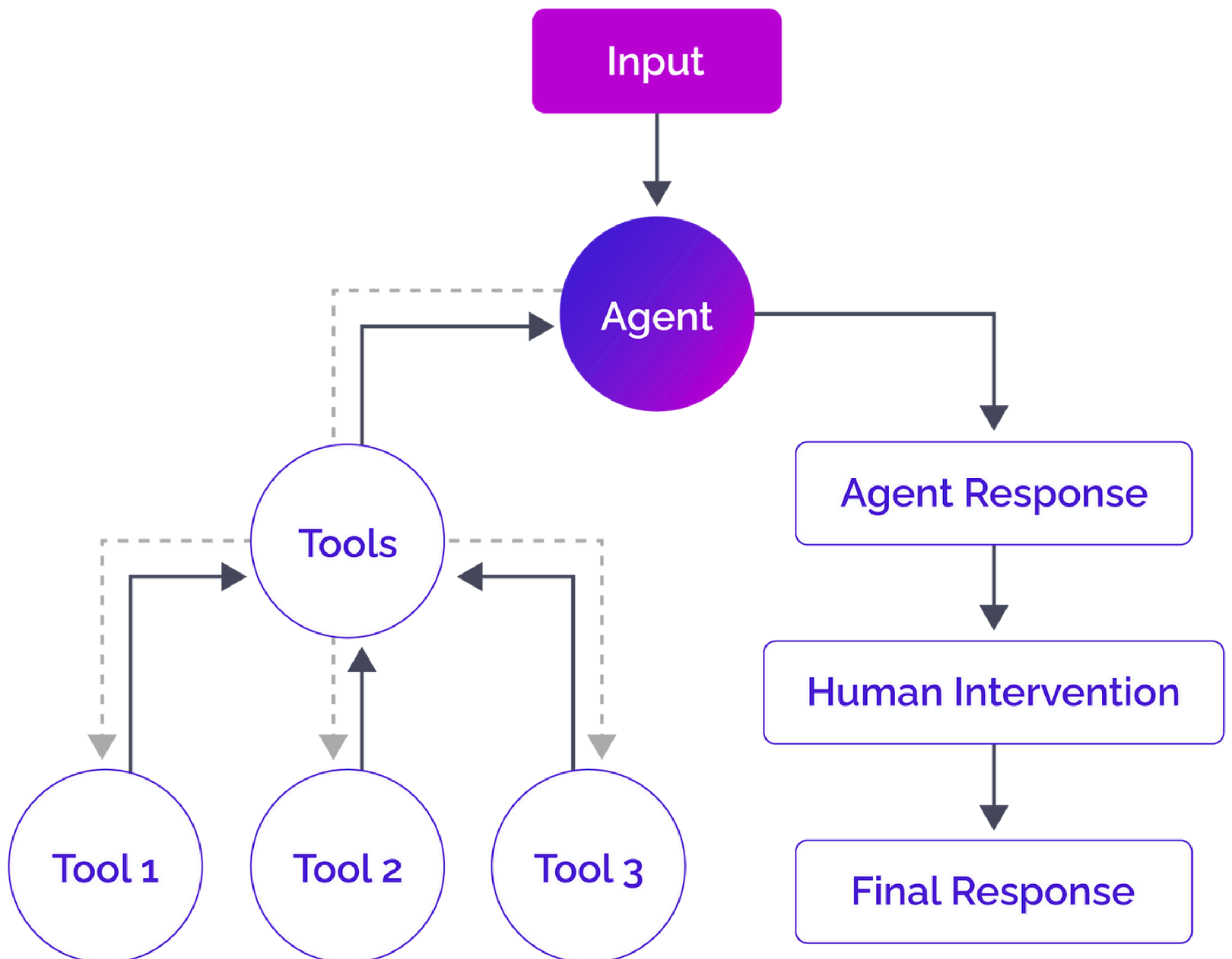


Day 12 of Mastering AI Agents

Build an AI Coding Agent with LangGraph



Install Dependencies

First thing first. As with any Python project, create a virtual environment and activate it.



```
python -m venv auto-unit-tests-writer  
cd auto-unit-tests-writer  
source bin/activate
```

Now, install the dependencies



```
!pip install langgraph langchain langchain_openai colorama
```



Defining Tools for Web Scrapping

The article is:

The families of civilians killed by the U.S. in Somalia share their ideas of justice in a new report. The Pentagon has no response. The American military has been carrying out a continuous military campaign in Somalia since the 2000s, launching nearly 300 drone strikes and commando raids over the past 17 years. In one April 2018 air attack, American troops killed three, and possibly five, civilians with a pair of missiles. A U.S. military investigation reported that the second missile killed a woman and child, but the report concluded their identities might remain unknown.

Last year, my investigation for The Intercept exposed the details of this disastrous attack. The second missile killed 22-year-old Luul Dahir Mohamed and her 4-year-old daughter, Mariam Shilow Muse, after they survived the initial strike.

This is an example of the article text that might be extracted by the extract_article tool.

Listing Tool

```
tools = [extract_article]
```

Prompt Template

```
prompt = ChatPromptTemplate.from_messages([
    ("system", "You are very powerful assistant, but don't know current events"),
    ("user", "{input}"),
    MessagesPlaceholder(variable_name="agent_scratchpad"),
])
```

- **ChatPromptTemplate.from_messages:** Creates a prompt template for the agent.
- **MessagesPlaceholder:** Placeholder for the agent's scratchpad (intermediate steps).



For more information, visit this [article](#)



Advanced

Generative AI

Github

Langchain

Large Language Models

Build an AI Coding Agent with LangGraph by LangChain

Discover LangGraph, an extension of LangChain for cyclic multi-agent workflows. Stateful collaboration & build AI

Sunil Kumar 05 Apr, 2024

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