

Introduction to LLM Input / Output

Instructor

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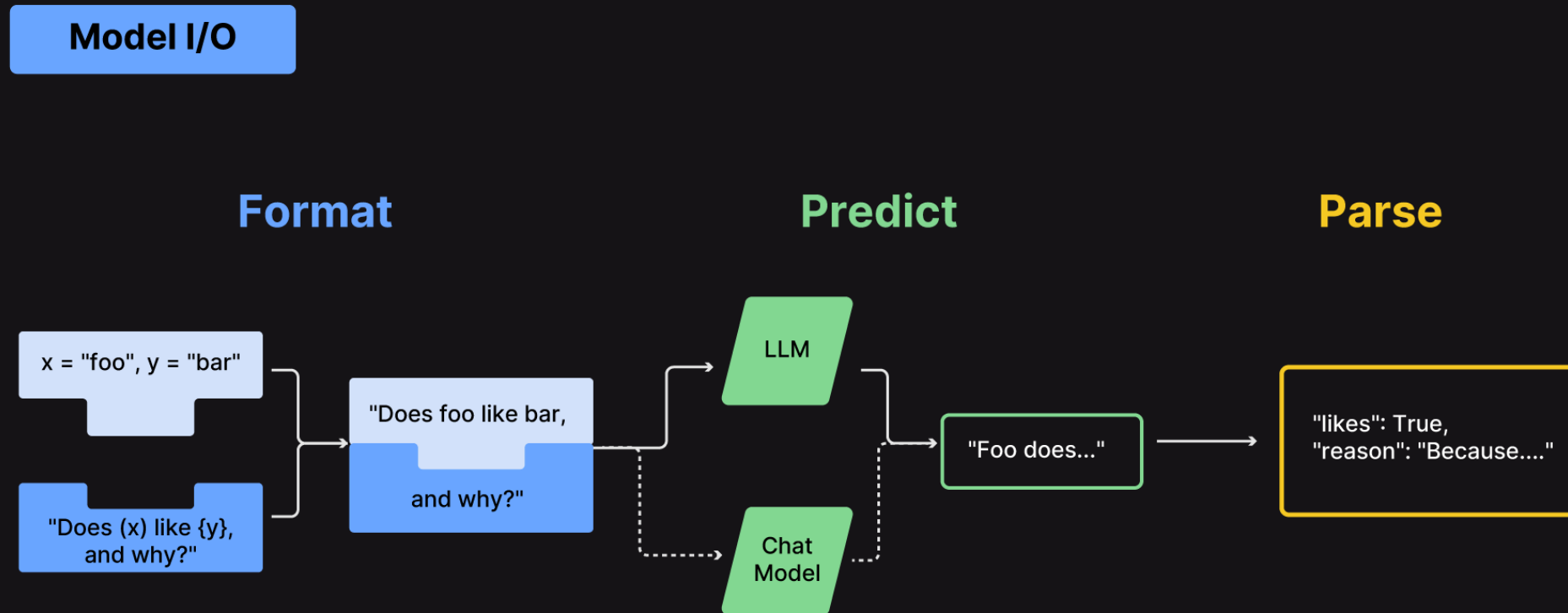
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Outline

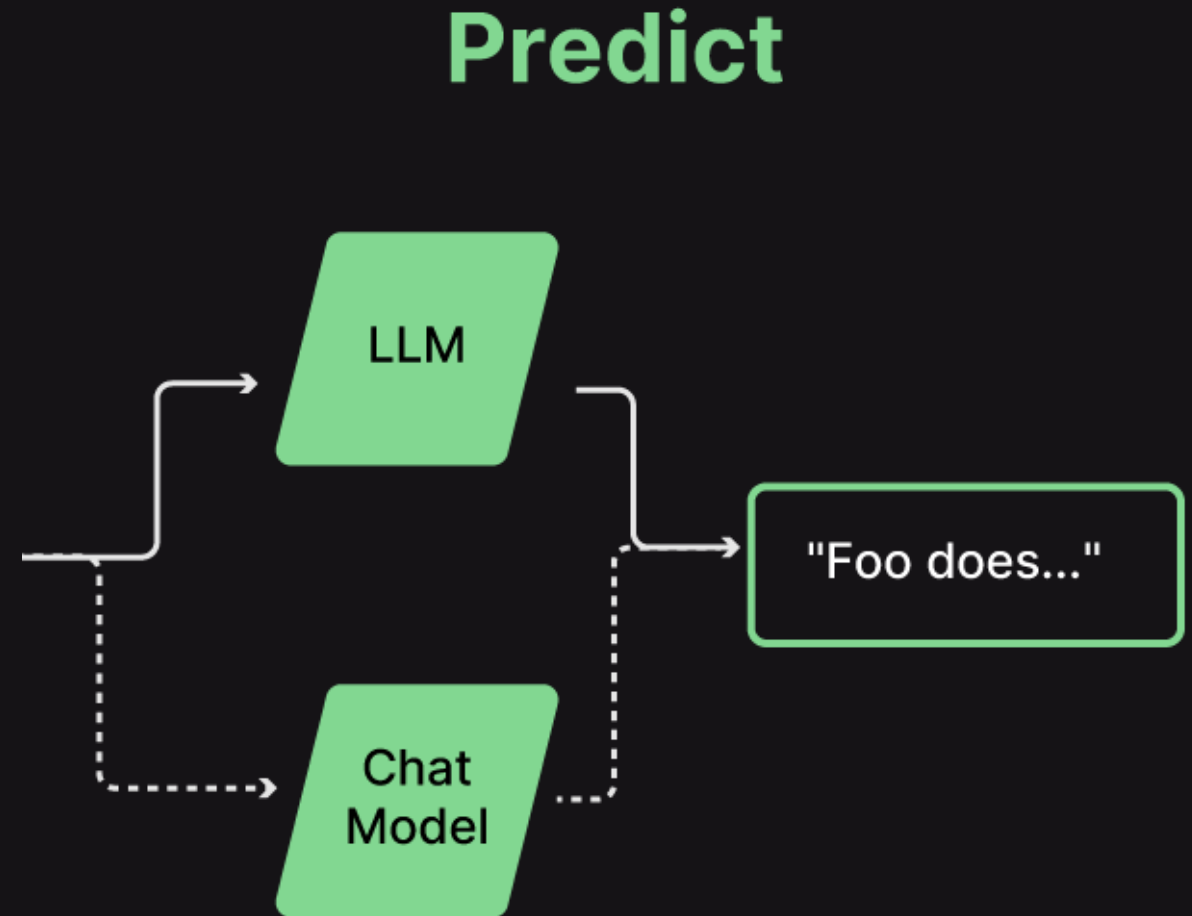
- LLM Input / Output Workflow
- LLMs and Chat Models
- Prompting with Prompt Templates
- Format LLM Response with Output Parsers
- Other Advanced Operations

LLM Input/Output with LangChain



LLMs and Chat Models

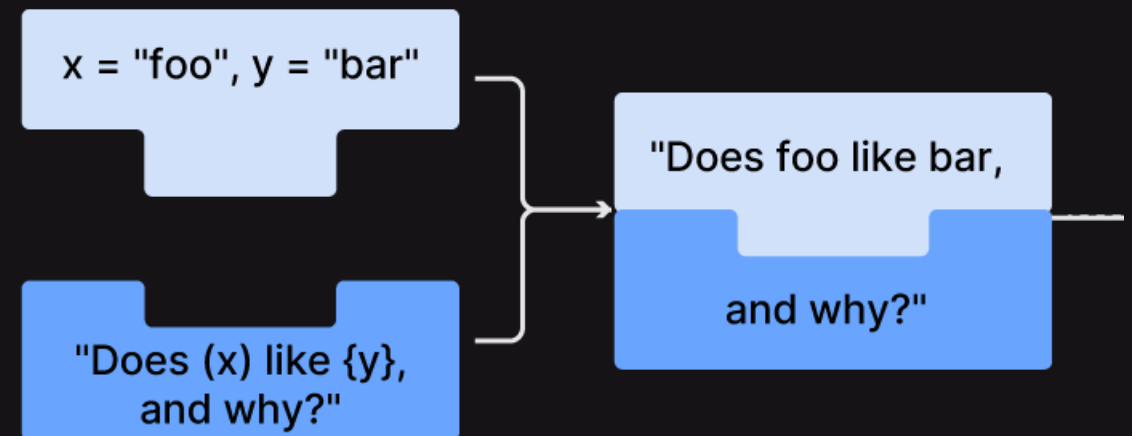
- LangChain's LLM components has two different types of models
 - LLMs for general prompting
 - Chat Models for conversational prompting
- We can interface with these LLMs using Prompt Templates in LangChain



Prompting with Prompt Templates

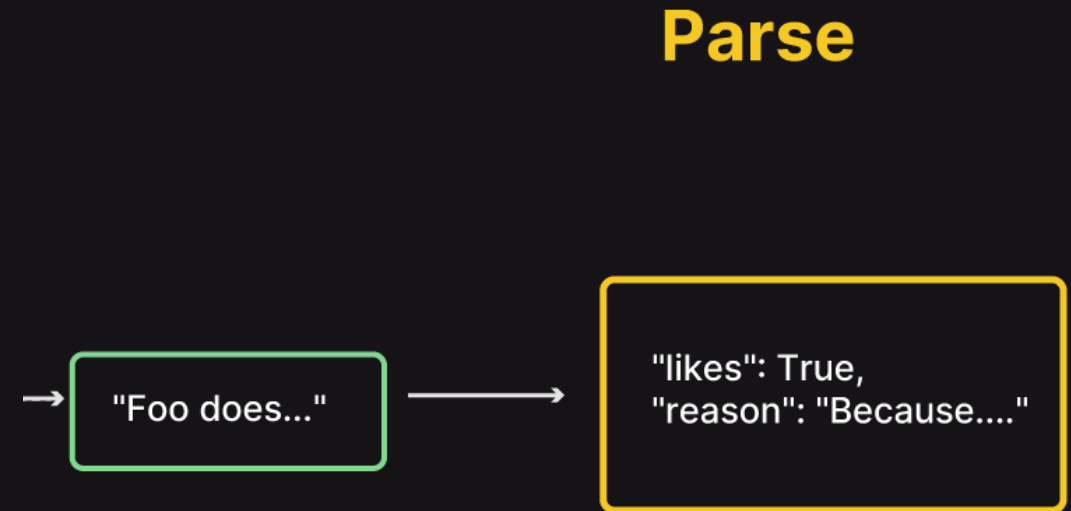
- LangChain allows users to create Prompt Templates, which are sets of instructions and input variables.
- These input variables are usually populated at runtime in the Prompt Template and sent to the LLM

Format

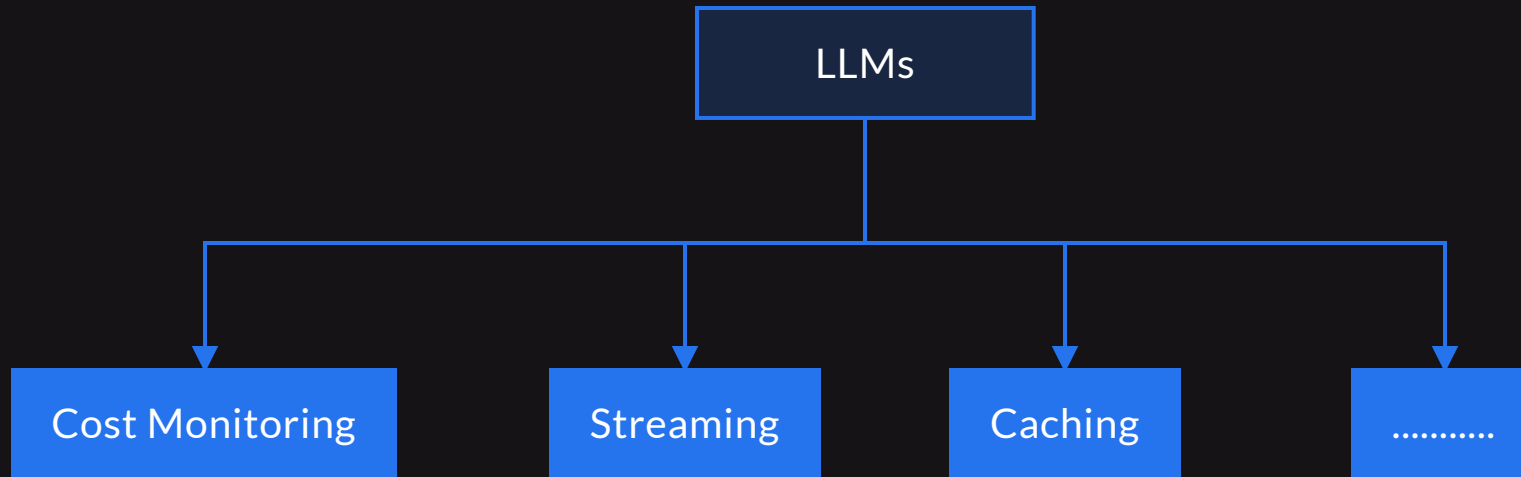


Format LLM Response with Output Parsers

- LangChain allows to convert the raw LLM response into a more consumable format by using Output Parsers.
- There exists a variety of parsers including:
 - String parser
 - CSV parser
 - Pydantic parser
 - JSON parser



Other Advanced Operations



- LangChain offers additional capabilities when interfacing with LLMs.
 - Token cost monitoring
 - Streaming responses
 - Caching requests

Thank You
