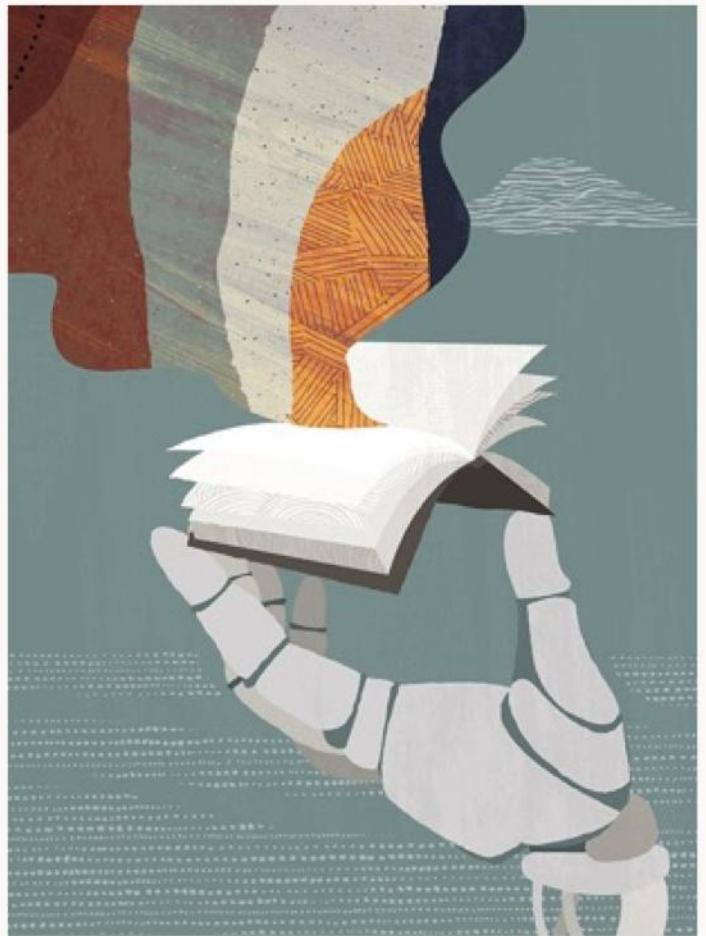


# The teaching crew— Ask the expert

By: Technical Skills Development Team

Learn Oracle from Oracle experts



This is a unique program designed to boost employees' learning and skills by connecting with Oracle's in-house experts. Engage in tailored, interactive sessions where our specialists share their deep knowledge and expertise.

# Speakers-virtual profile



**Parwez Khan**  
Consulting Practice Manager, Oracle



## Experience

Oracle: 17 years



## Expertise

17 years in software engineering. Lead solution Architect, consulting project manager handling cloud, Platform, Security and AI/ML practices.



## Location

Noida, UP

## Agenda-

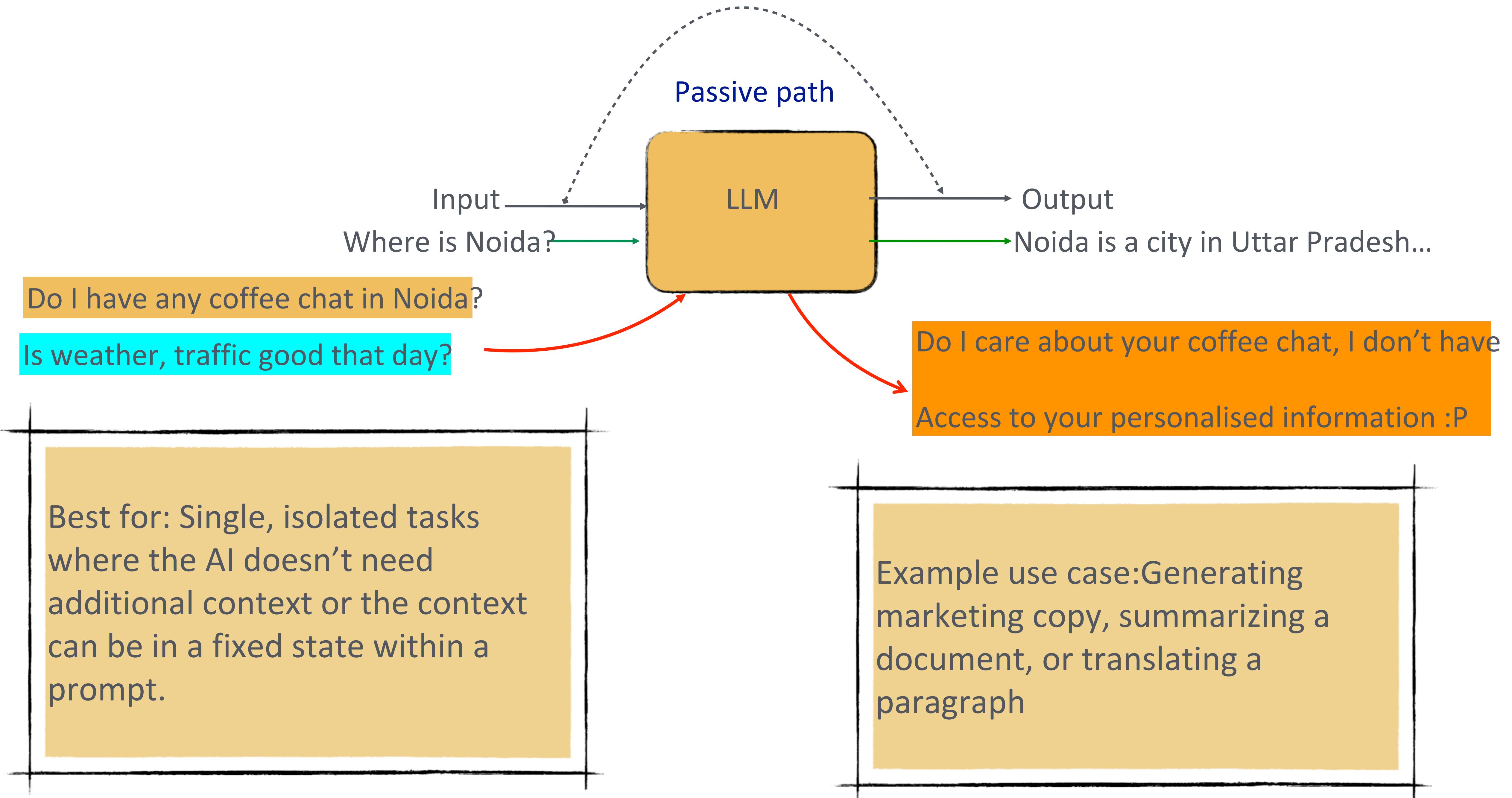
- Journey - from prompts to Agents
- Use case Discussion
- Agentic Design Patterns
- Watch in action - Jupyter notebooks
- Multi Agent Tool Demo

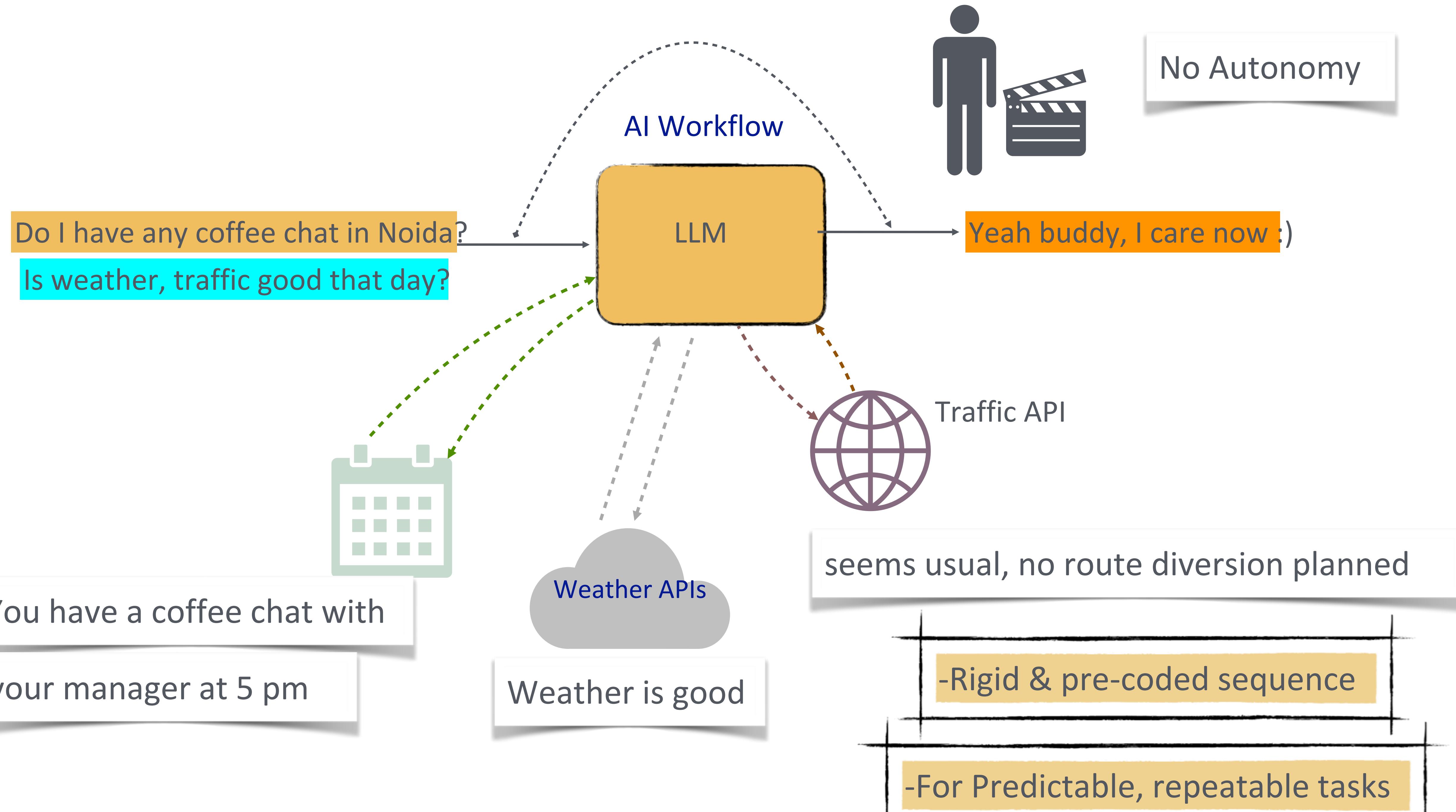
## Scenario:

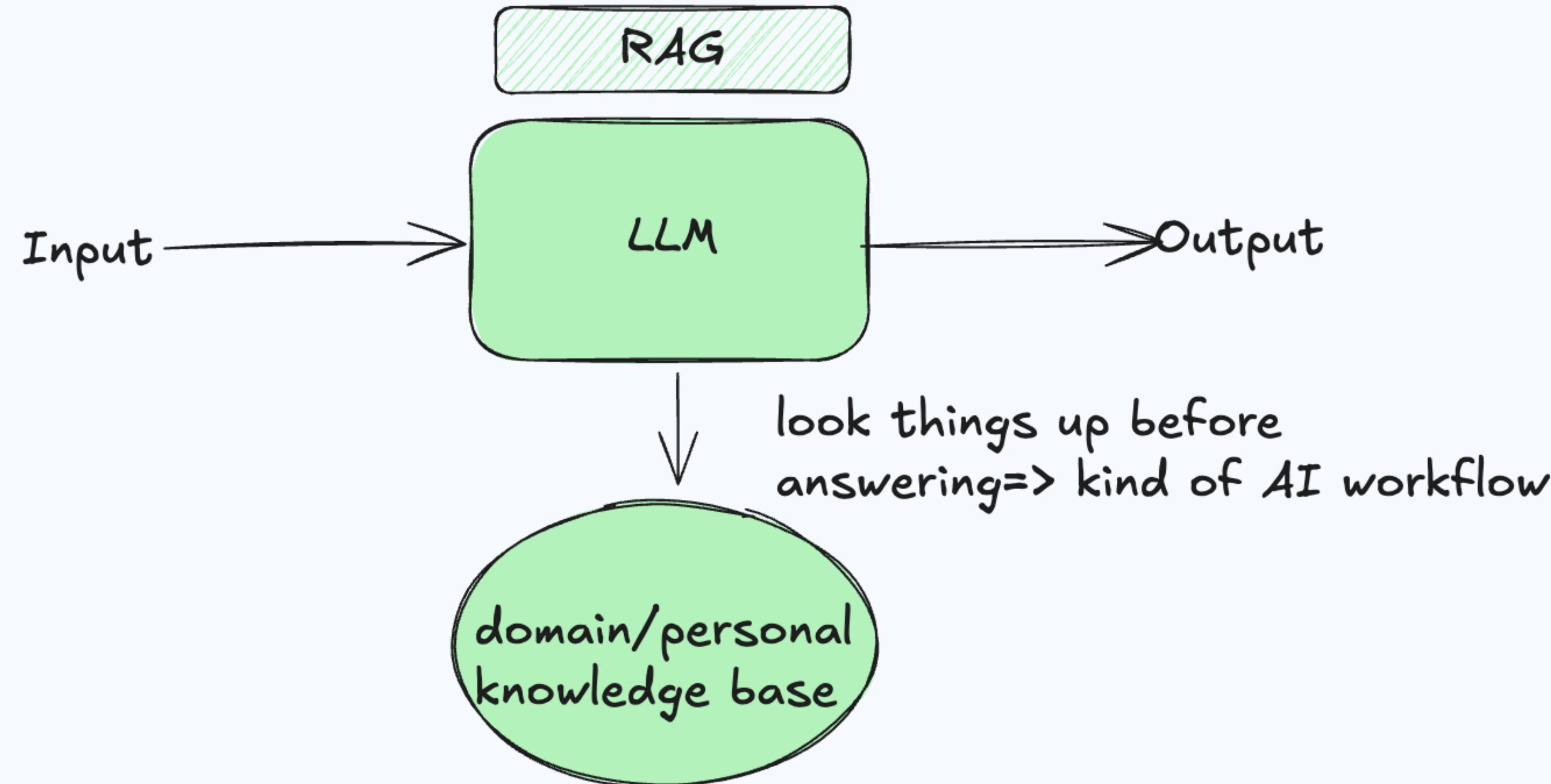
I have planned a coffee chat with my manager. After our coffee chat, I am expected to travel to multiple Oracle locations in India, have some team level discussions. I have some budget constraints for this trip. I don't have time to plan the itinerary and need someone to prepare the same for me and send me a complete report.

I want some one who

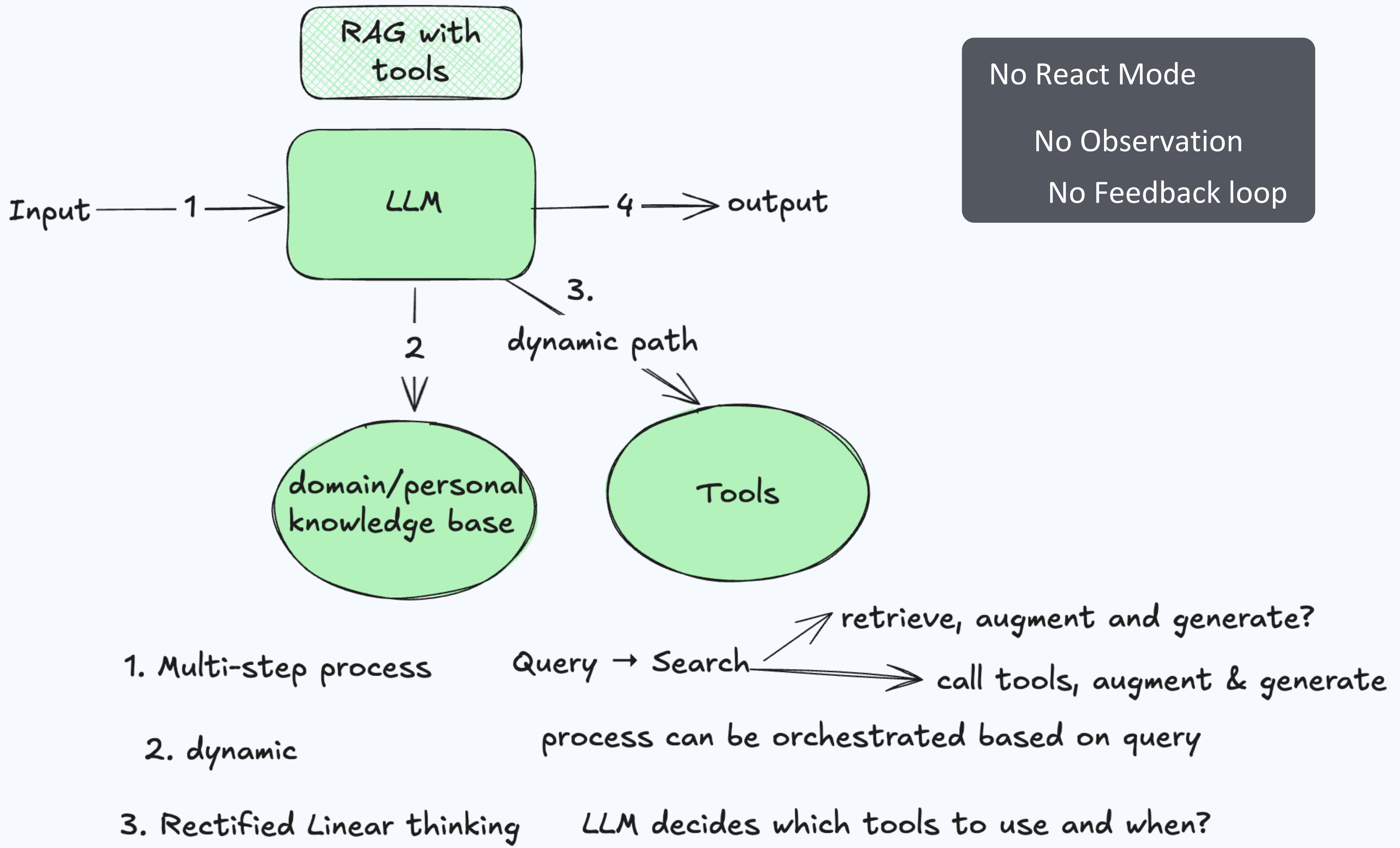
- can define the goal,
- create path to achieve the goal and also
- can act in autonomous manner without needing my input except once.

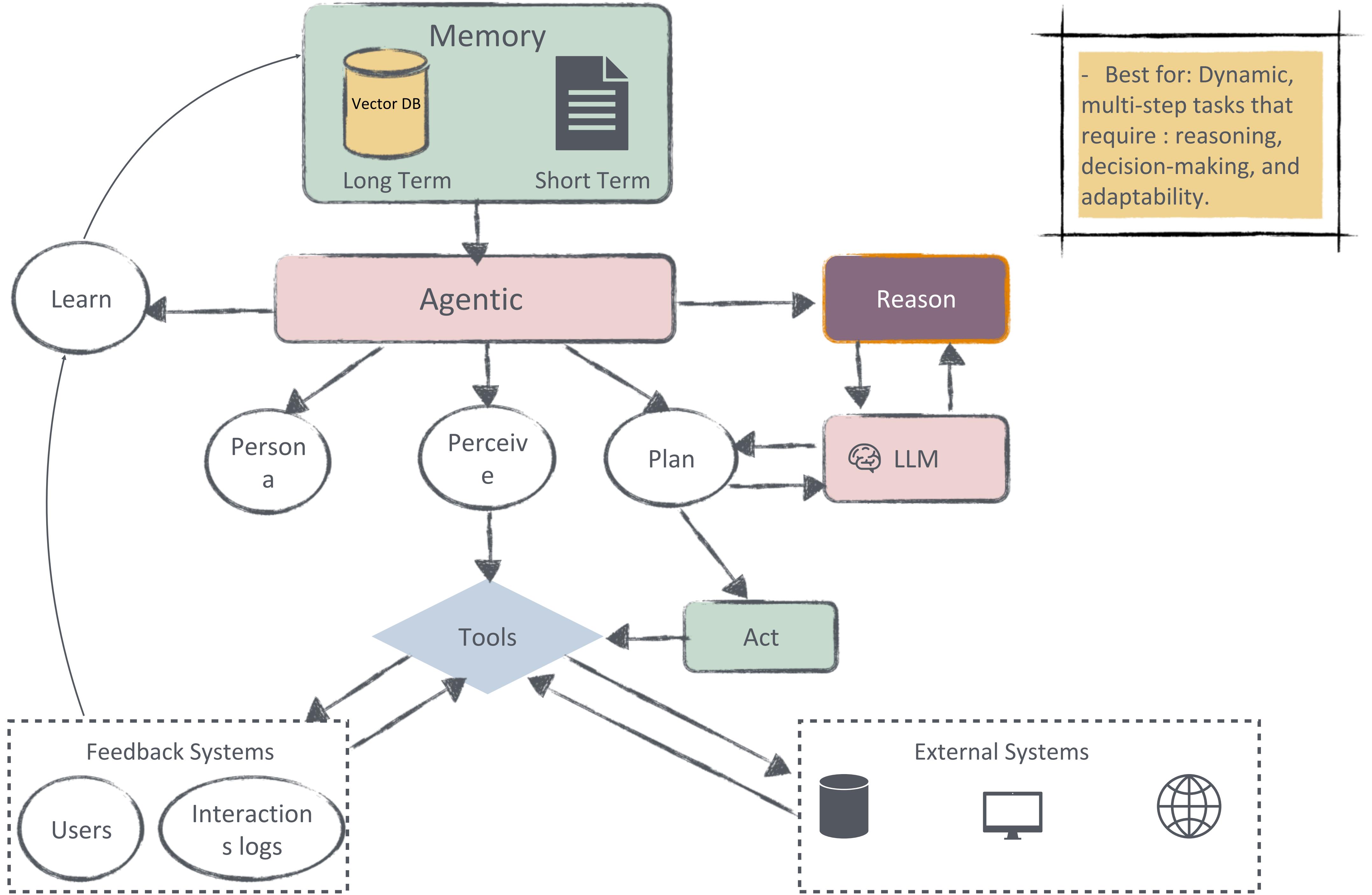


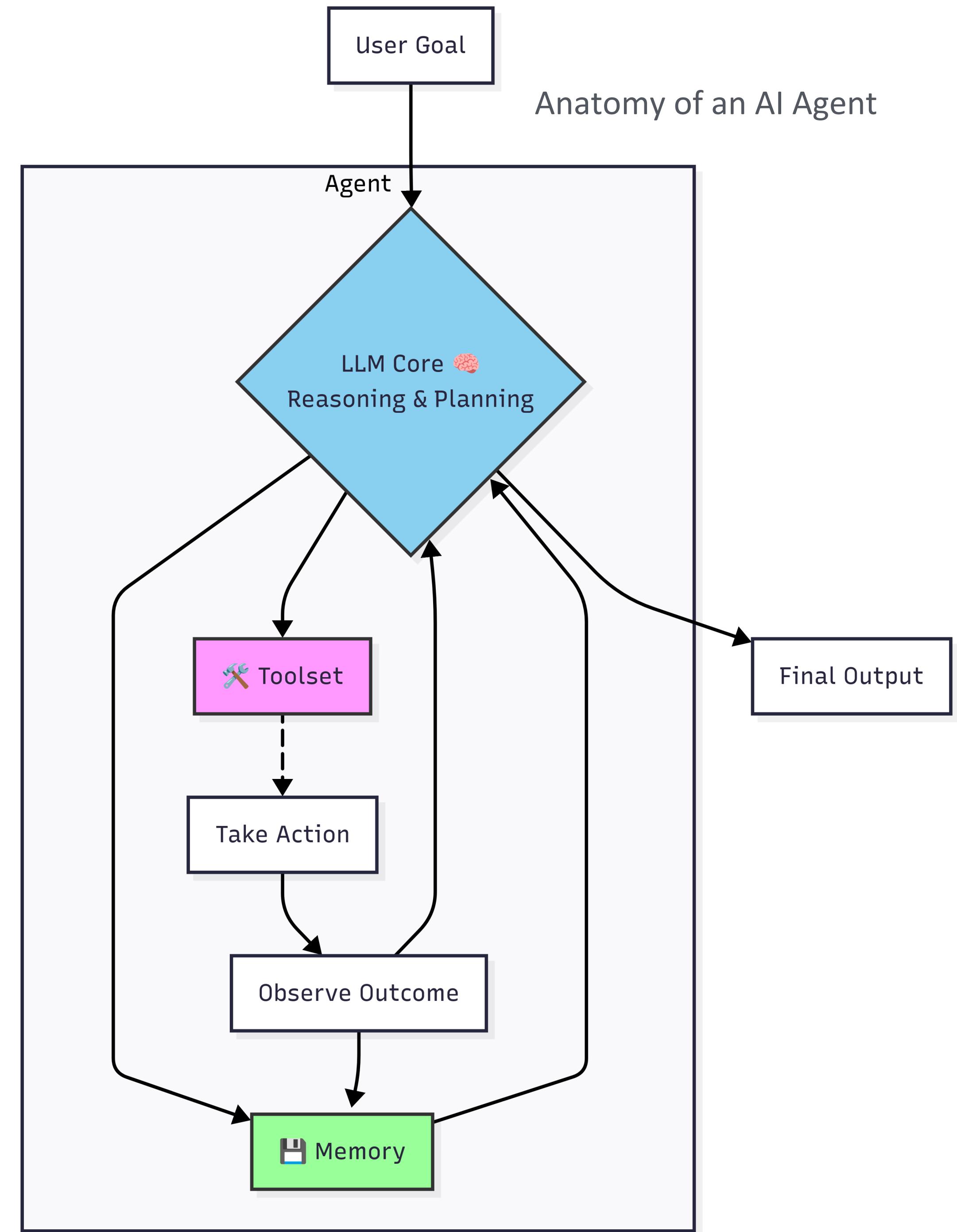




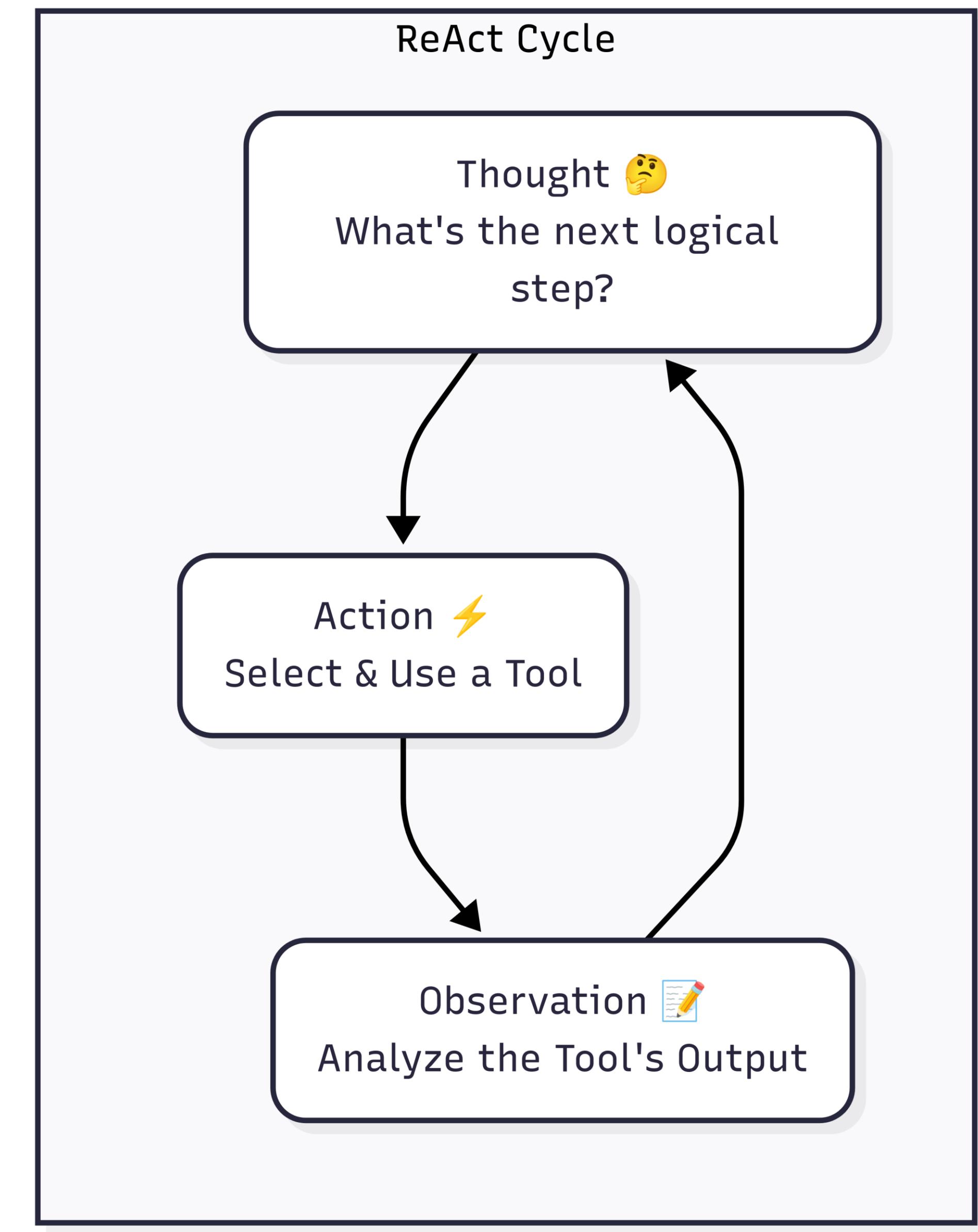
1. Single-step process      Query → Search → Retrieve → Generate → Done
2. One-size-fits-all      same process for every query
3. Linear thinking      Retrieve & Generate







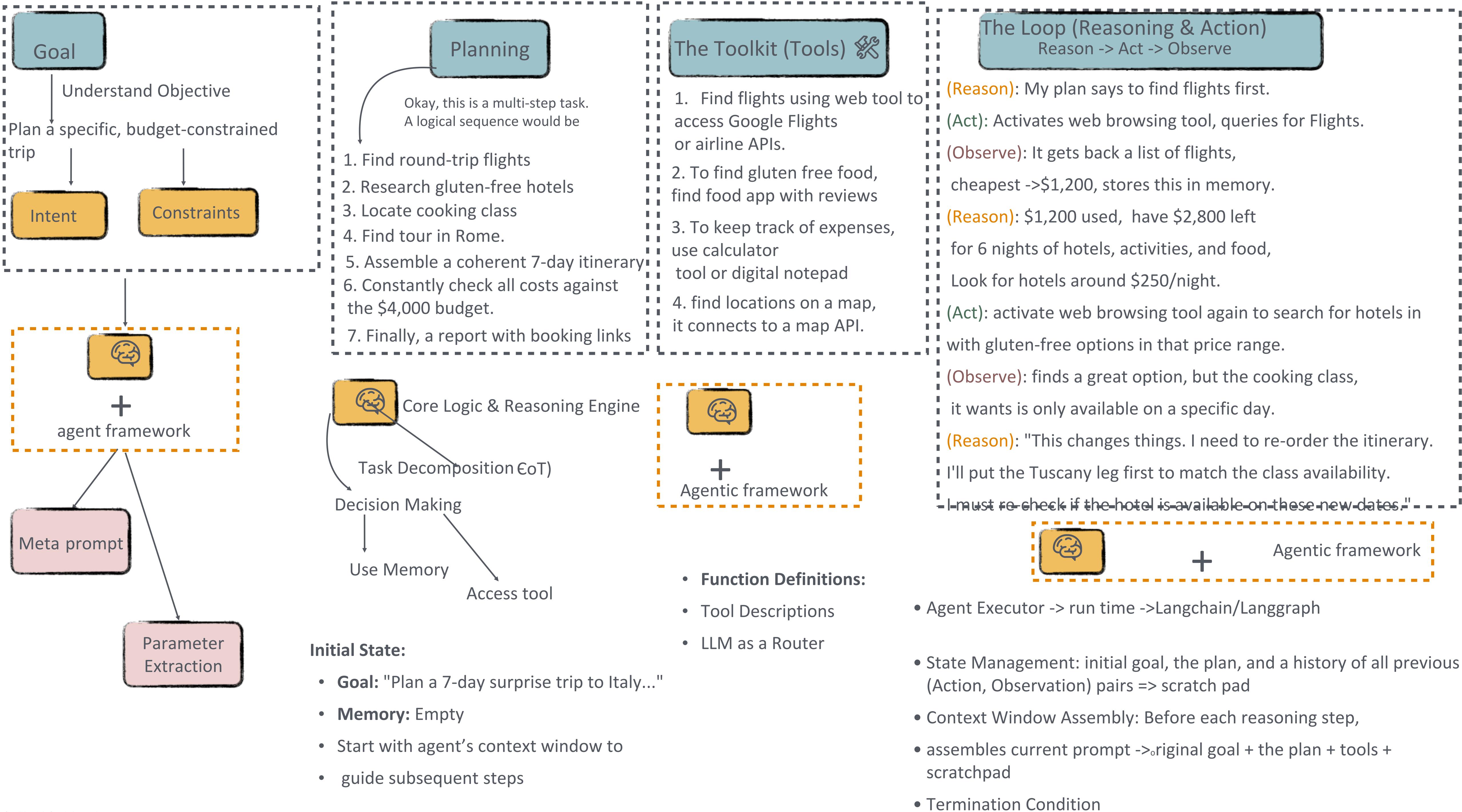
## The Engine: The ReAct Framework Loop



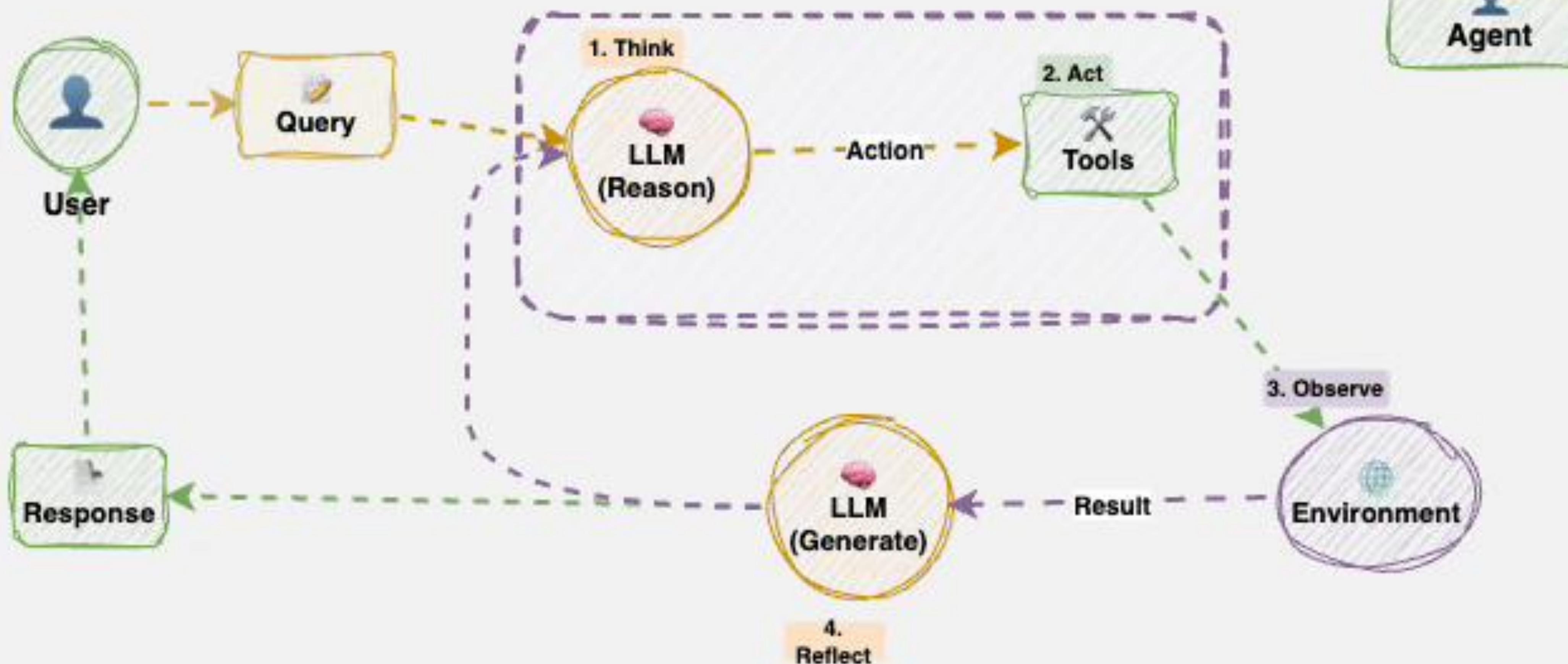


Plan the ultimate surprise birthday trip to Italy.  
It must be a 7-day trip, include a cooking class in Tuscany, a historical tour  
of Rome, accommodate a gluten-free diet, and stay within a \$4,000  
budget.

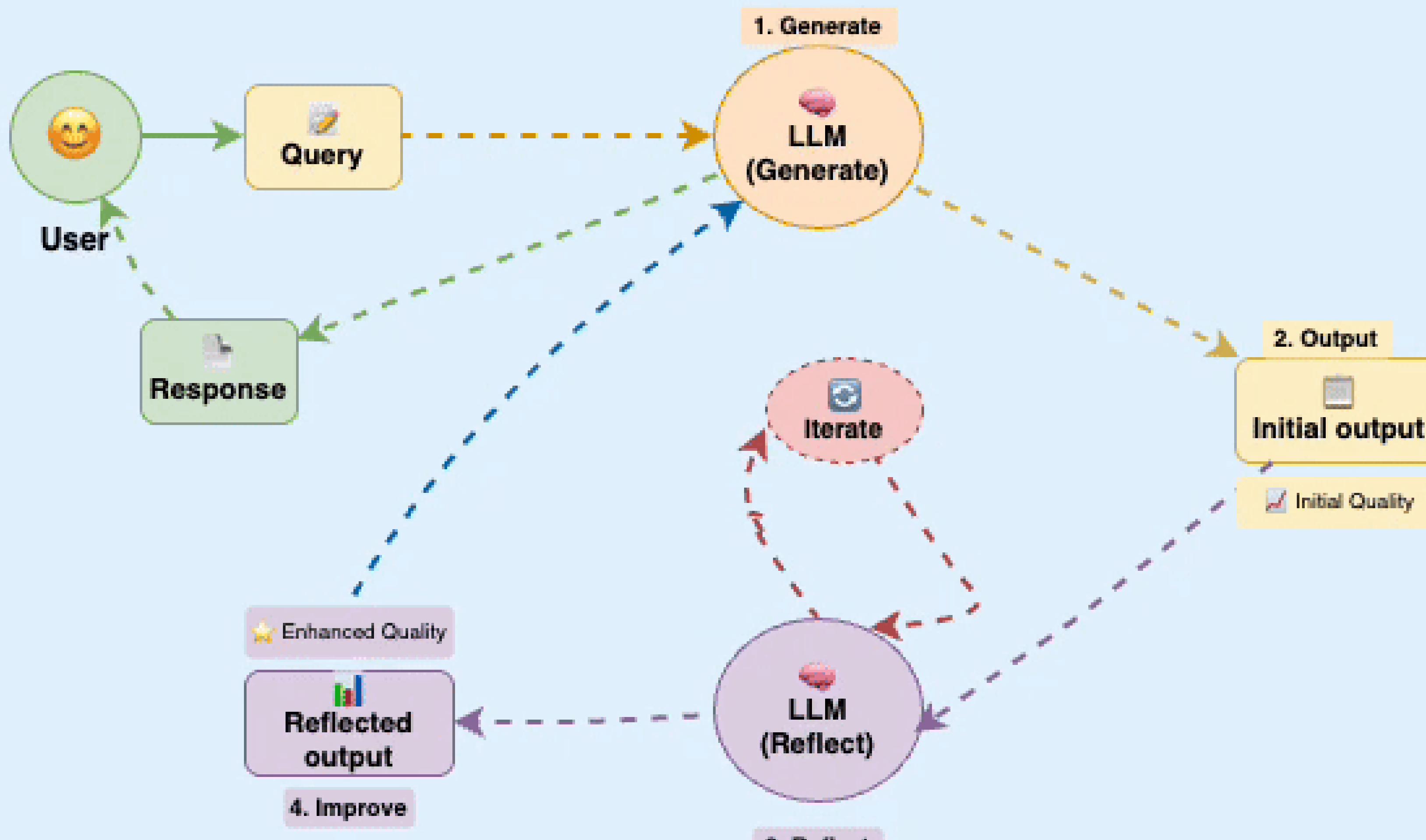
Have the full itinerary, with booking links, ready by tomorrow.



### 3) ReAct Pattern



# 1) Reflection Pattern



## Flow Legend:

- User Input
- AI Processing
- Iteration Loop

The Reflection Pattern enables AI to:

- Generate initial responses
- Self-evaluate and critique
- Iteratively improve outputs
- Deliver higher quality results

# Design Pattern to Agentic Framework Mapping

Design Pattern	LangChain	LlamaIndex	AutoGen	CrewAI	Semantic Kernel
ReAct (Reason+Act)	✓	✓	✓	✓	✓
Multi-Agent Collaboration	(via LangGraph)		★	★	
Reflection & Refinement	✓ (via LangGraph)		✓	(Sequential)	
Plan-and-Execute	✓				★

# Q & A

# Poll Time



# Thank you

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# ORACLE