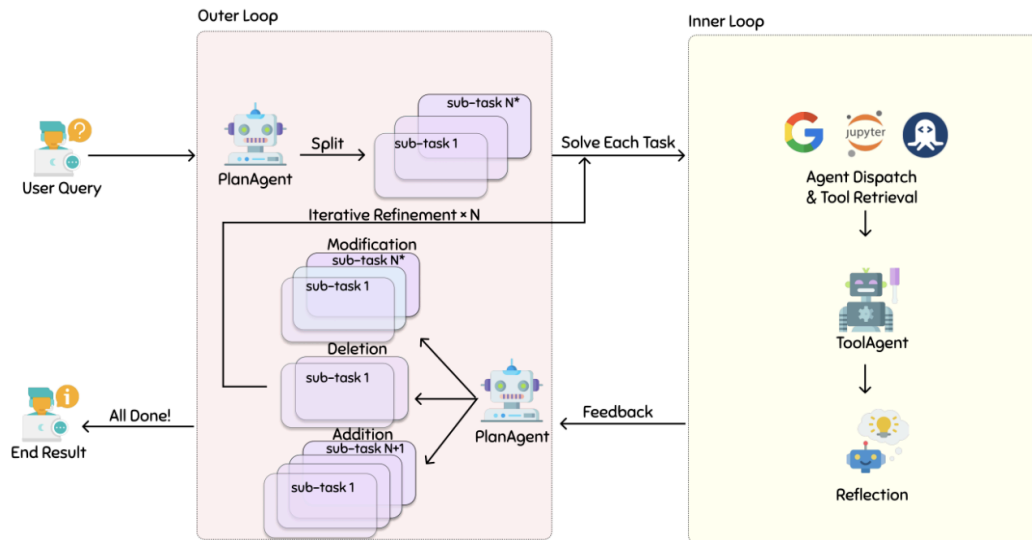


Task 1:

Agentic Workflow Implementation using Langgraph

Goal:

Implement the following agentic workflow using Langgraph. You may use any language model and tools of your choice.



Objective:

- Build a pipeline that splits a user query into sub-tasks using a PlanAgent.
- Iteratively refine tasks (modify, delete, add) and solve them with ToolAgent.
- Use feedback loops and reflection to ensure reliability.
- Integrate any language models and tools but implement using Langgraph.

Evaluation:

1. **Pipeline Architecture:** Adherence to the workflow structure.
2. **Reliability & Efficiency:** Robust task refinement, error handling, and tool retrieval.
3. **Langgraph Integration:** Proper use of Langgraph for task and tool management.
4. **Code Quality:** Readability, modularity, and documentation.

Deliverables:**1. GitHub Repository:**

- A public GitHub repository containing all code related to the agentic workflow implementation.
- A well-structured README file explaining how to set up and run the solution.

2. Video Explanation:

- A video (5-10 minutes) that walks through the approach, explaining key decisions, architecture, and code functionality.

3. Hosted Solution:

- A live hosted version of the solution where evaluators can test the workflow by providing queries and receiving results.