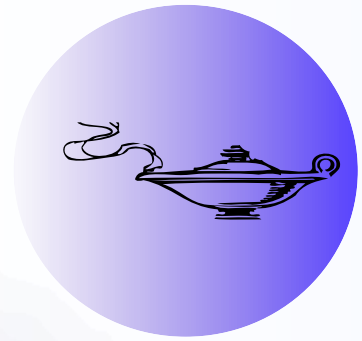


Luddy Hacks Case 1



IdeaGenie

AI Agent for Prioritizing Ideas
using ReAct Framework

Helping teams move faster by building
what truly matters – first!



Problem Statement Challenge:

Organizations collect hundreds of innovation ideas via platforms like ServiceNow. The challenge is to prioritize them efficiently.

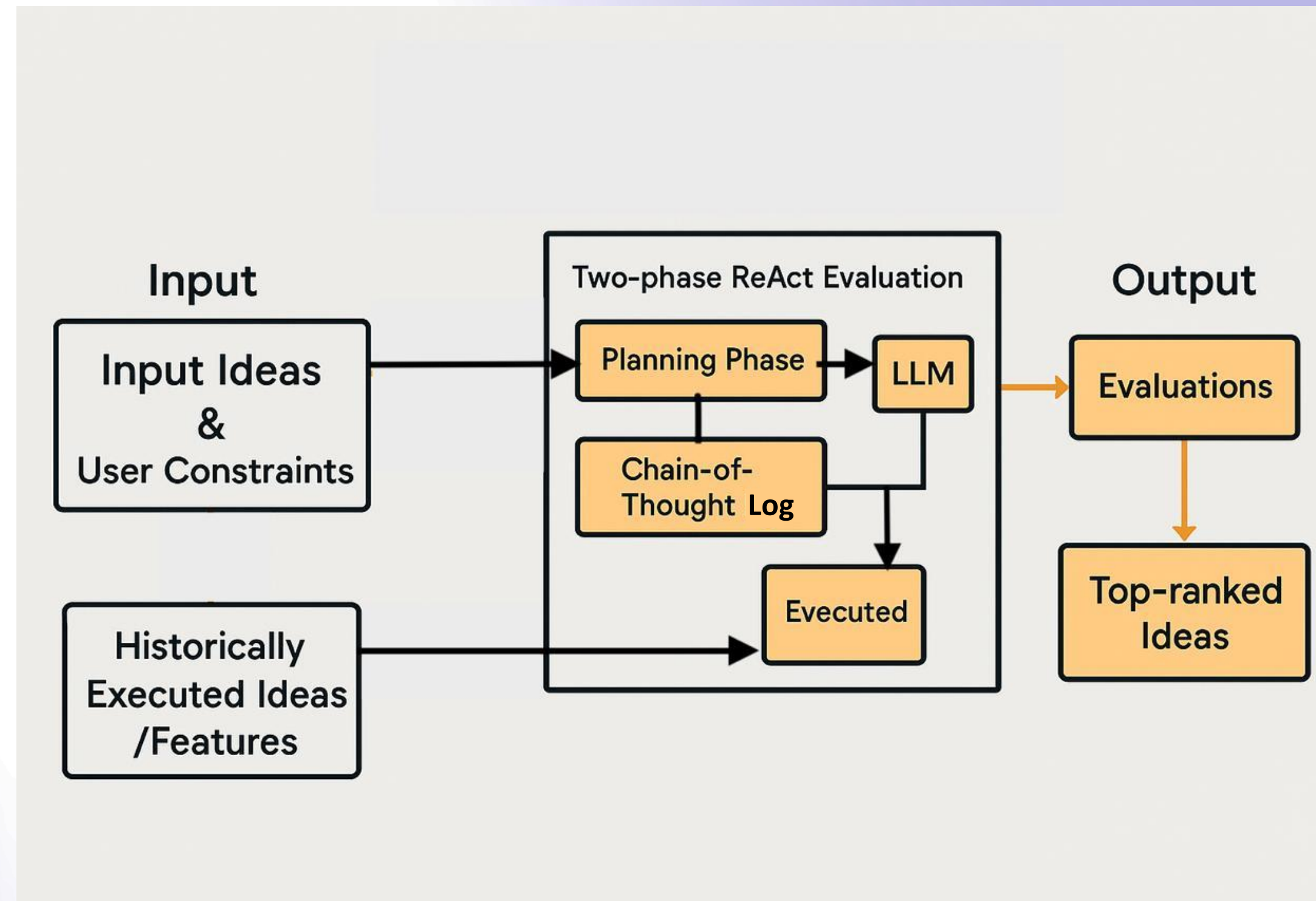
Key Questions:

- How do we balance implementation effort, ROI, and strategic alignment?
- How can AI help in reasoning through this decision-making process?

Objective: Build an AI Agent that evaluates ideas using reasoning + action (ReAct), then ranks them with justifications.

Solution Overview Architecture:

- 🧠 **LLM-based ReAct Agent** — Thinks & Acts in two phases.
- 📊 **Evaluation Metrics** — Effort (Time, Resources), ROI (Value, Demand, Impact).
- 📦 **Vector Search (FAISS)** — Finds similar ideas for better context.
- 📄 **Logs & Justifications** — Transparent and explainable decisions.
- 📈 **Dashboard (React)** — Visualizes Top 3 ideas with reasoning.



ReAct Logic Breakdown Two-Phase Chain-of-Thought Process:

1.Planning Phase (Reasoning):







- 1.Decides if similar ideas should be retrieved.
- 2.Creates an evaluation plan.
- 3.Output: "Action: RetrieveSimilar" or "Action: NoRetrieve".

2.Finalization Phase (Action):

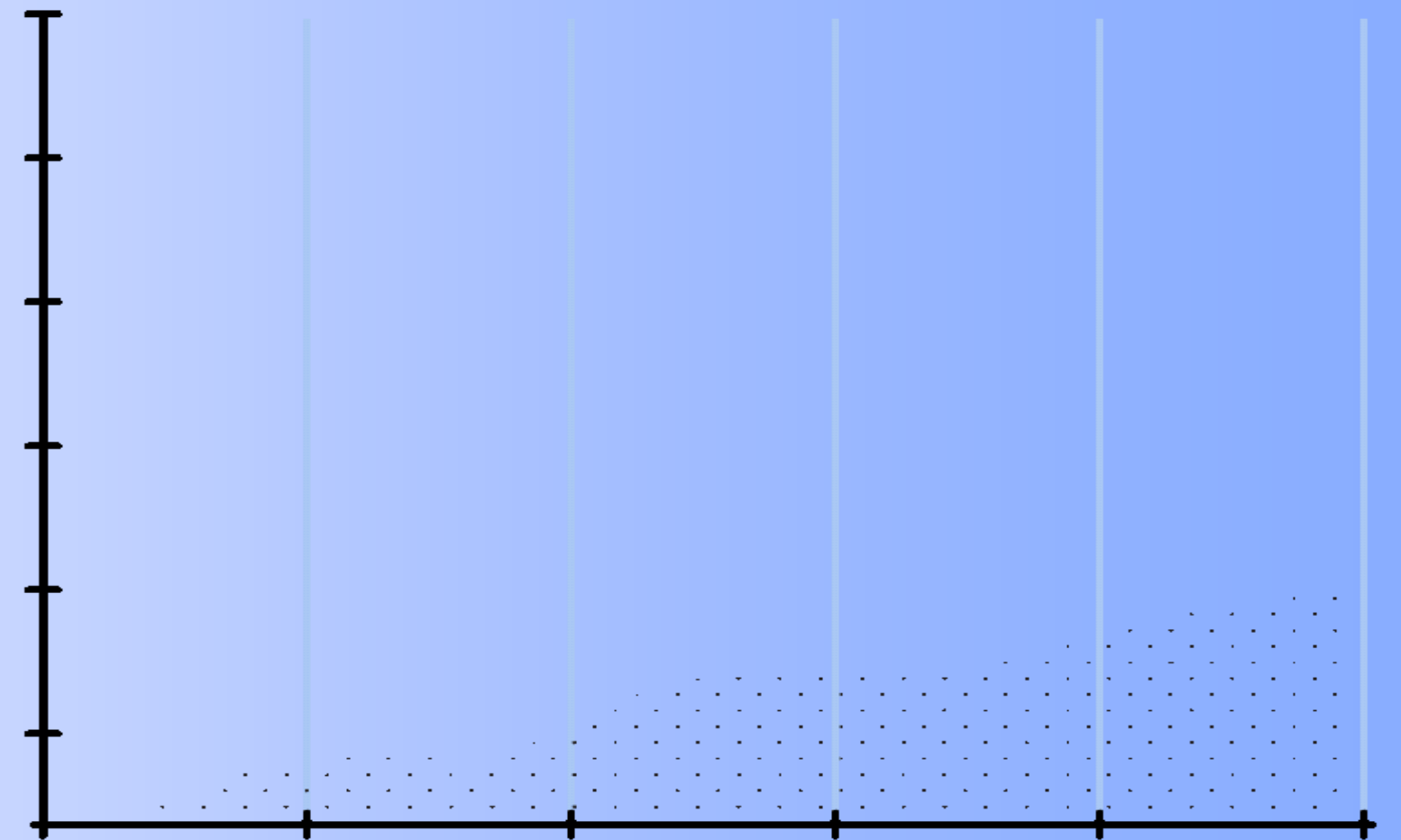
- 1.Executes evaluation using plan + context.
- 2.Outputs: Composite Score + Justification.

Bonus: Logs full plan, action, and final output for transparency.

How Our ReAct-Based AI Agent Meets the Requirements

-  **Effort & ROI Analysis**
→ Uses LLM prompts with metrics like engineering hours, dependencies, revenue uplift, user impact.
-  **Top 3 Idea Selection**
→ Automatically ranks ideas by composite score and justification.
-  **Explicit Reasoning (ReAct)**
→ Two-phase logic: Plan (Reasoning) + Final Evaluation (Action) with verbose logging.
-  **Mock Dataset + Similarity Search**
→ Realistic idea dataset and FAISS-based retrieval of related past ideas.
-  **Explainability + Logs**
→ Justifications and reasoning saved for clear audit and visualization.
-  **Future Ready**
→ Modular design allows adding feedback loop for learning.

Lets Get Into Demo





THANK YOU!