

Recap of Planning Agentic AI Systems

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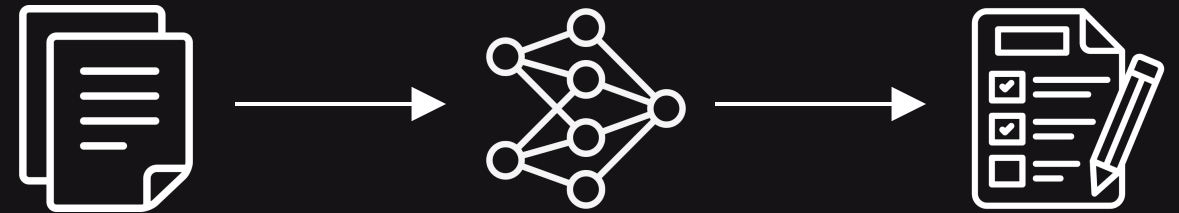
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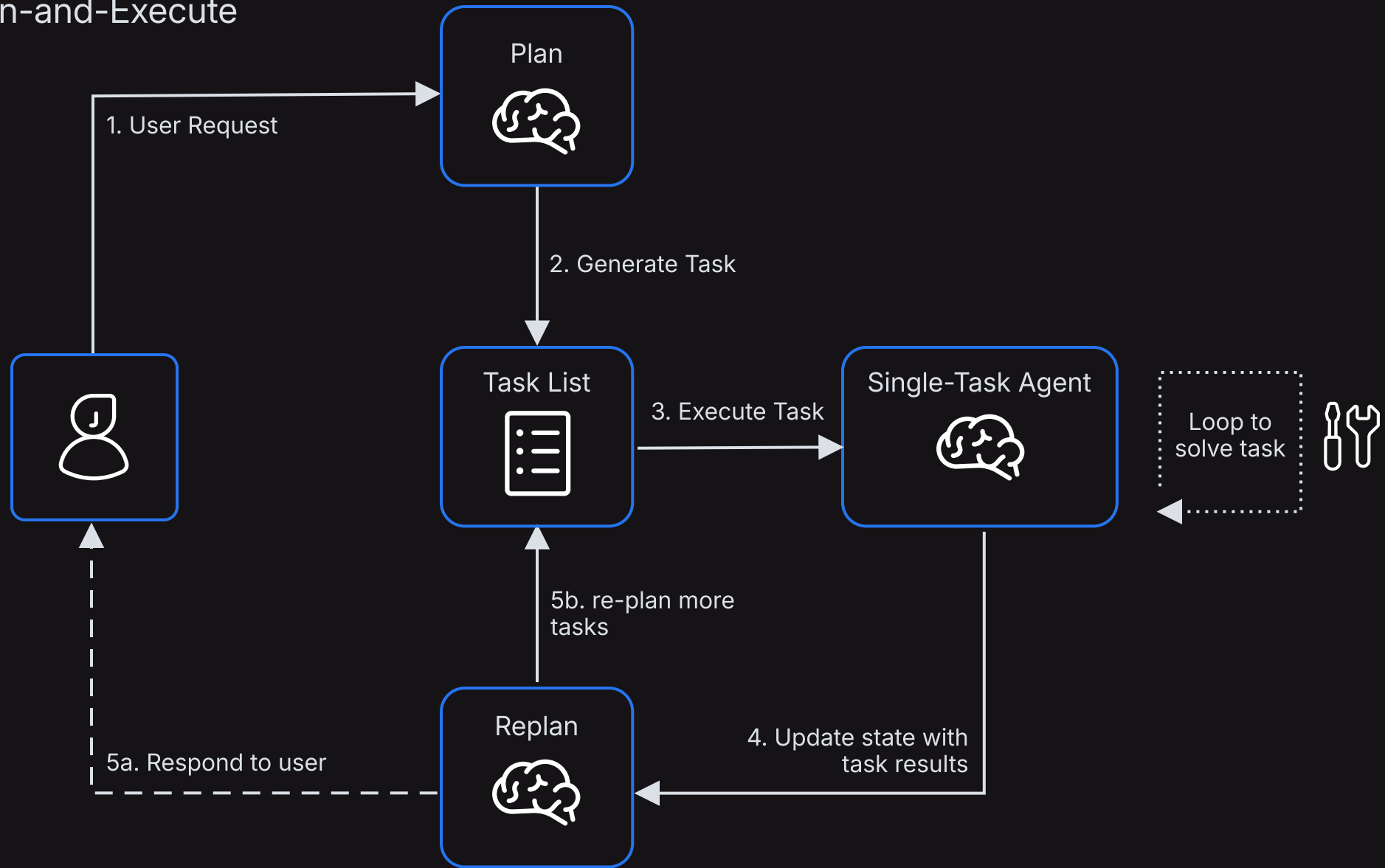


Planning Agentic AI Systems

The Planning Pattern helps the LLM break down a task into smaller, **achievable steps** while focusing on the final goal.



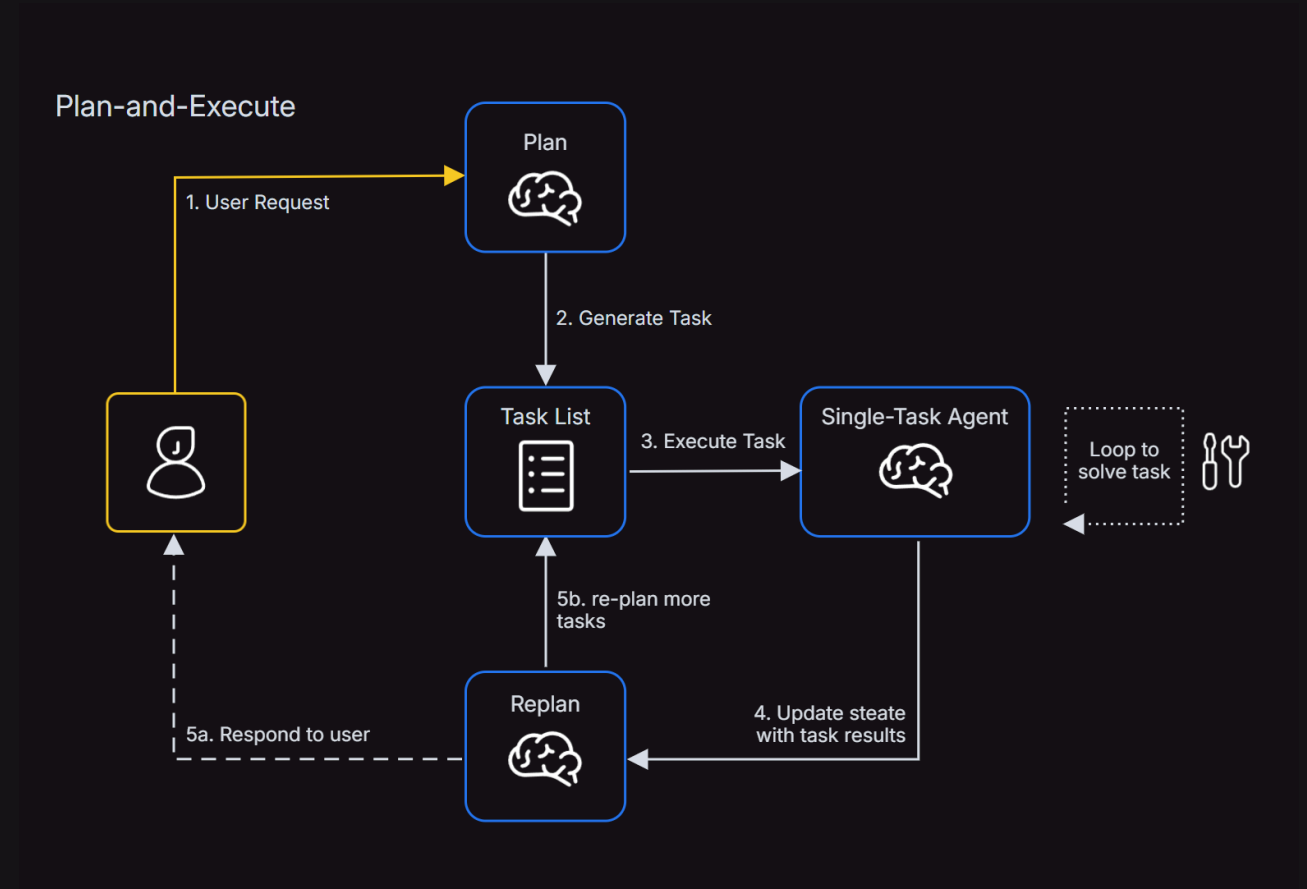
Plan-and-Execute



Planning Agentic AI Systems

Standard Planning Agent Workflow

- User Request
 - The workflow begins with a user input, defining the task or problem to solve.

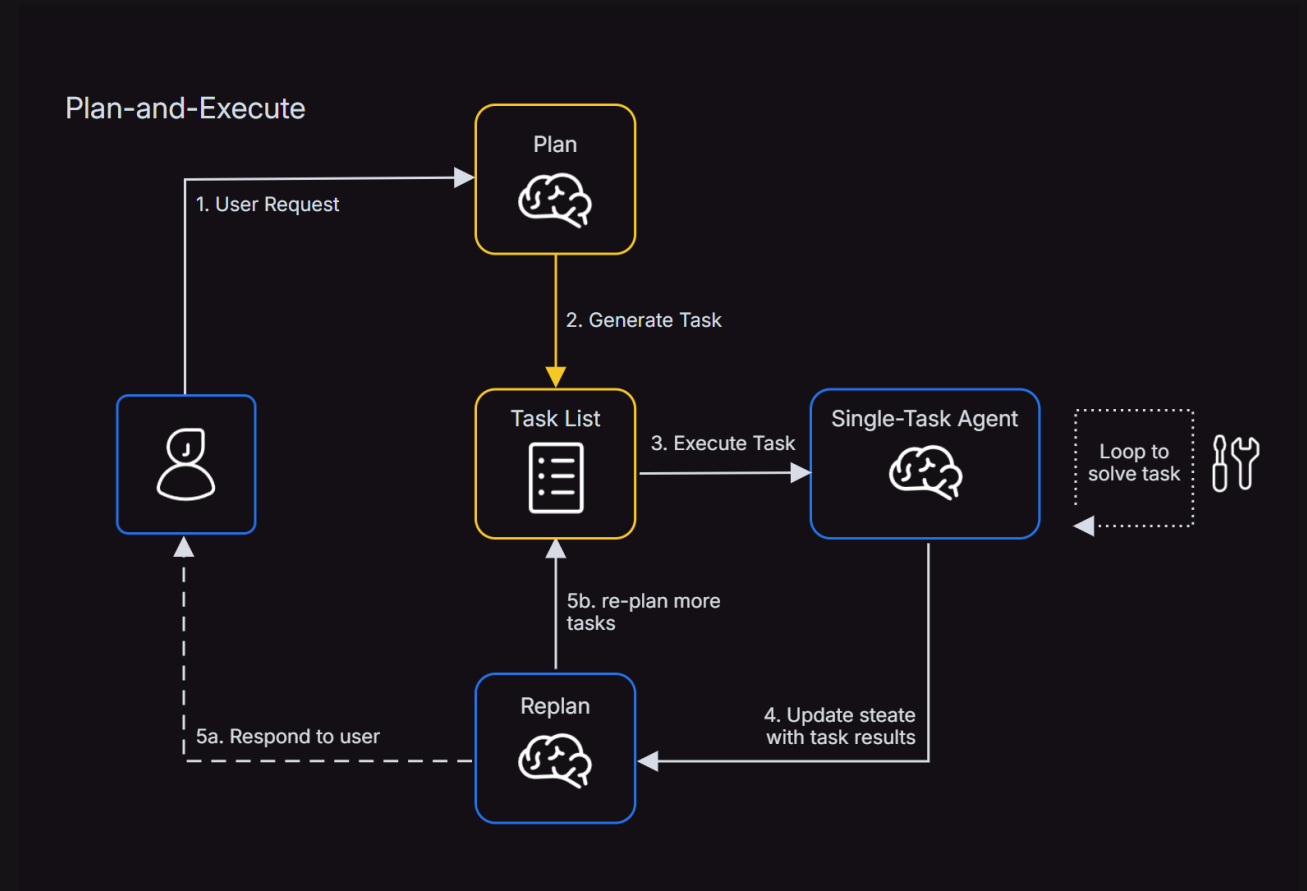


Planning Agentic AI Systems

Standard Planning Agent Workflow

- Planning Phase

- The system generates a list of tasks required to complete the user's request.
- Tasks are broken down into manageable, step-by-step actions.

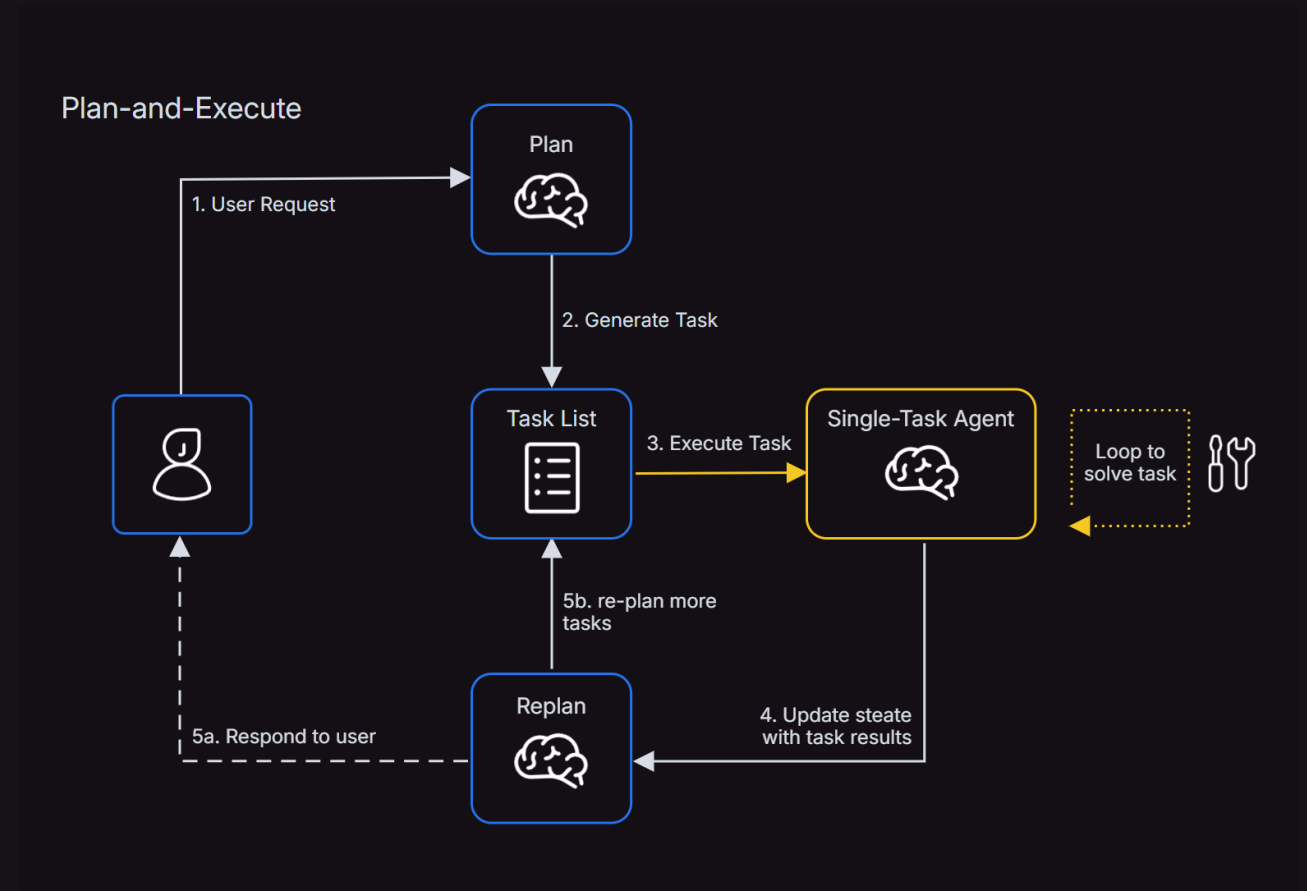


Planning Agentic AI Systems

Standard Planning Agent Workflow

- Task Execution

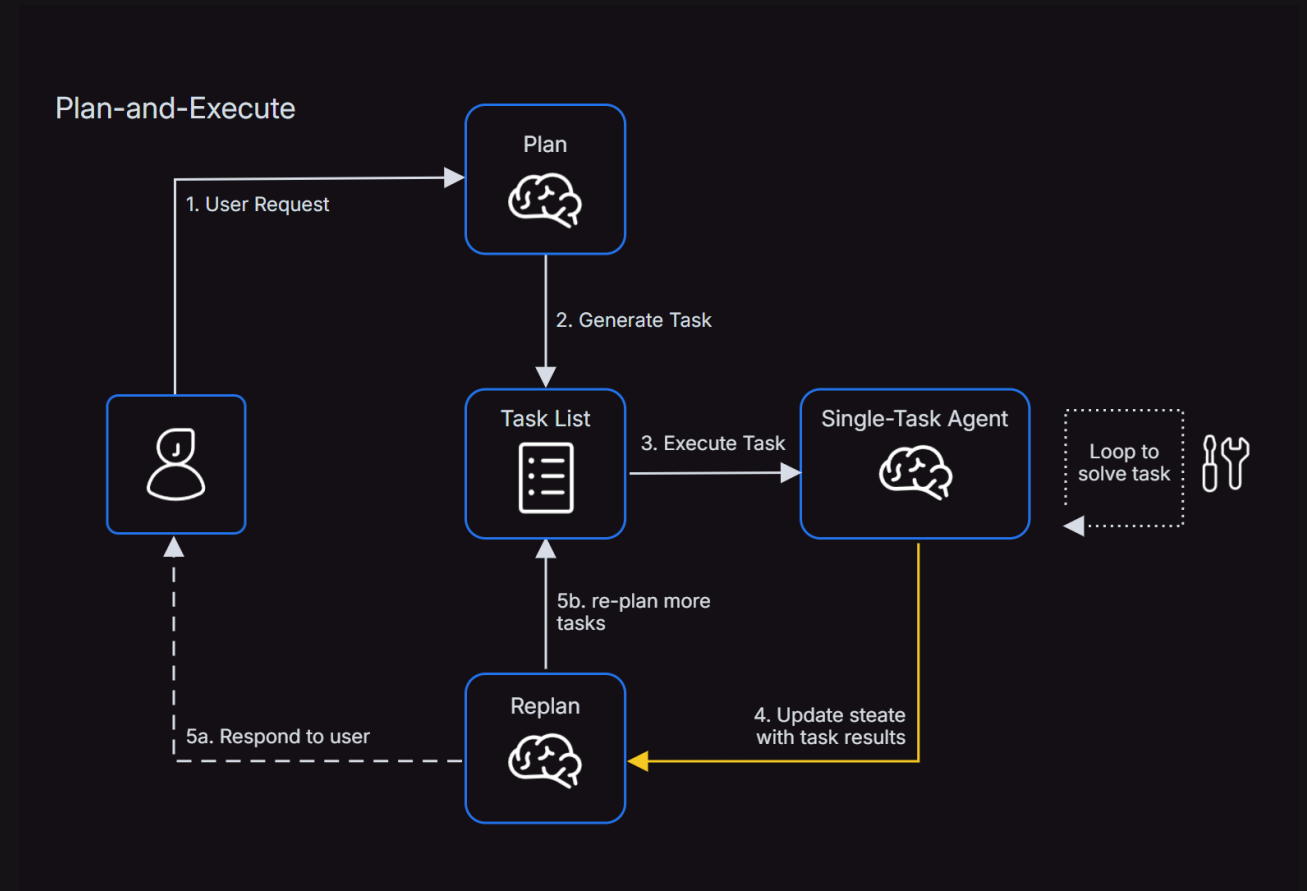
- A Single Agent handles each task individually.
- Executes tasks in a loop, focusing on one task at a time.



Planning Agentic AI Systems

Standard Planning Agent Workflow

- State Update
 - After each task execution, the system updates the state with task results.

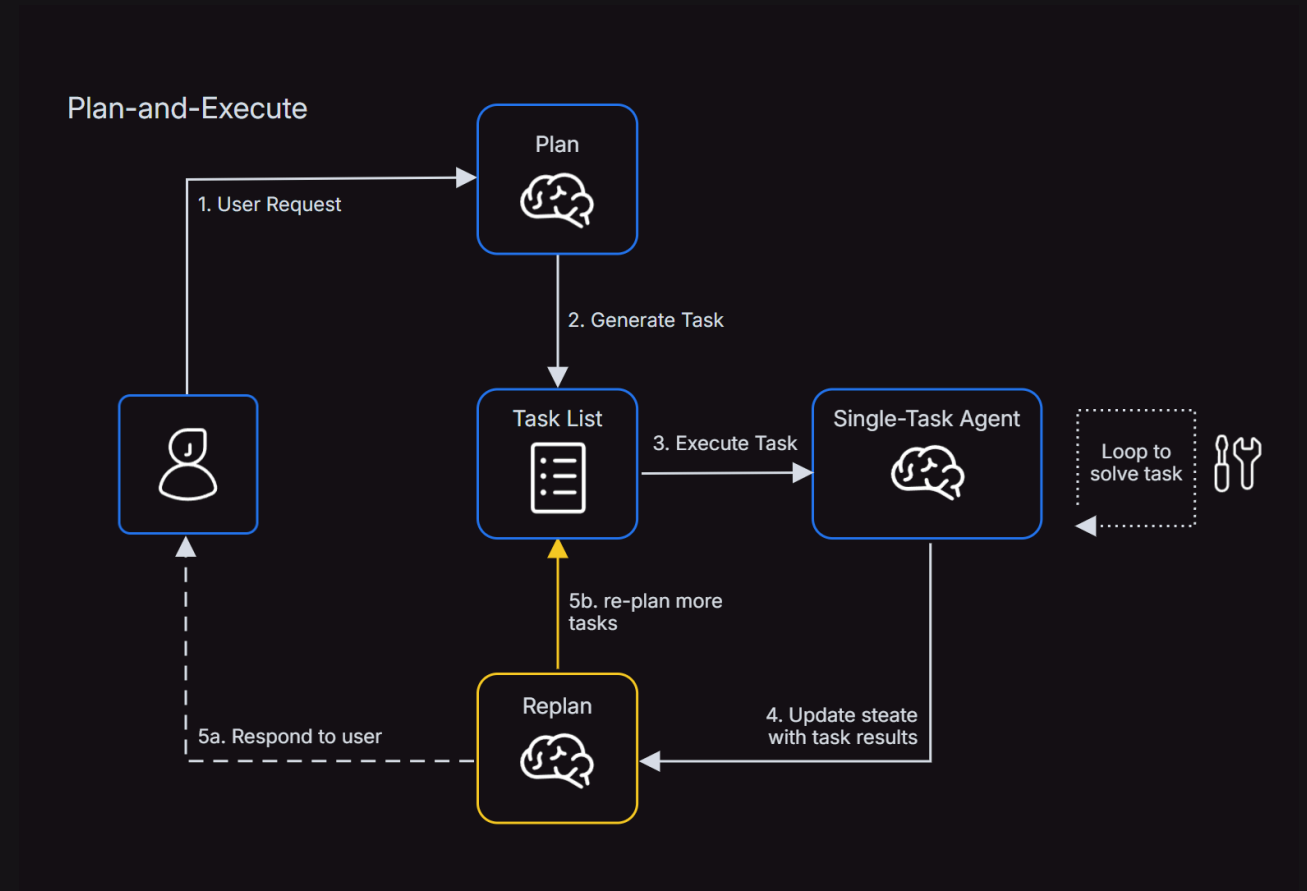


Planning Agentic AI Systems

Standard Planning Agent Workflow

- Replanning

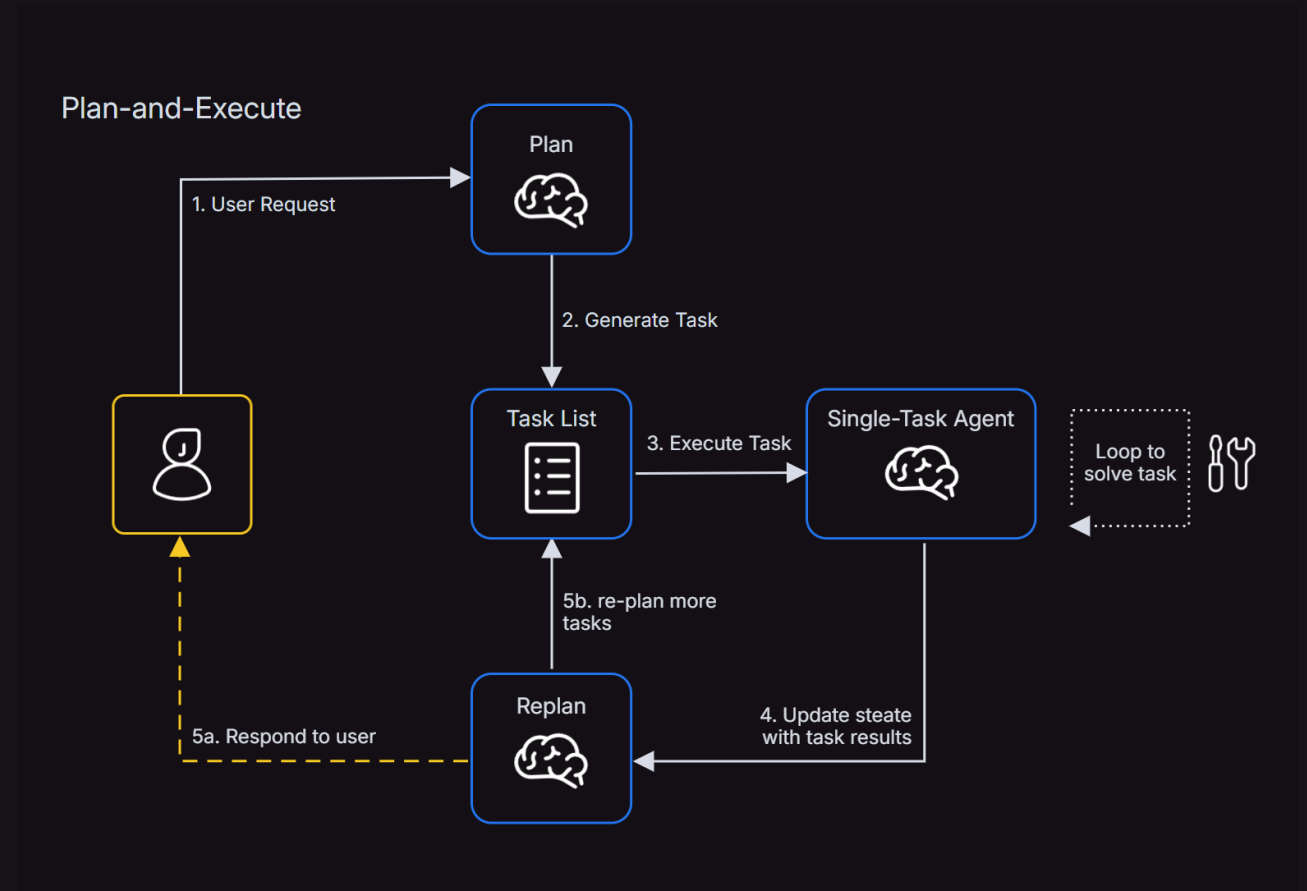
- If additional tasks are identified or existing tasks need updating, the system replans and updates the task list.



Planning Agentic AI Systems

Standard Planning Agent Workflow

- User Response
 - Once tasks are completed, the system responds to the user with the result.



Thanks