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# Final Project Intro

AI Essentials for Business

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# How It Works

## You ask a question:

Four AI agents with distinct cognitive roles collaborate on it — while you steer the conversation.



### Proposer

Generates creative ideas and concrete plans



### Critic

Challenges assumptions, finds risks and blind spots



### Researcher

Gathers facts and evidence to ground the debate

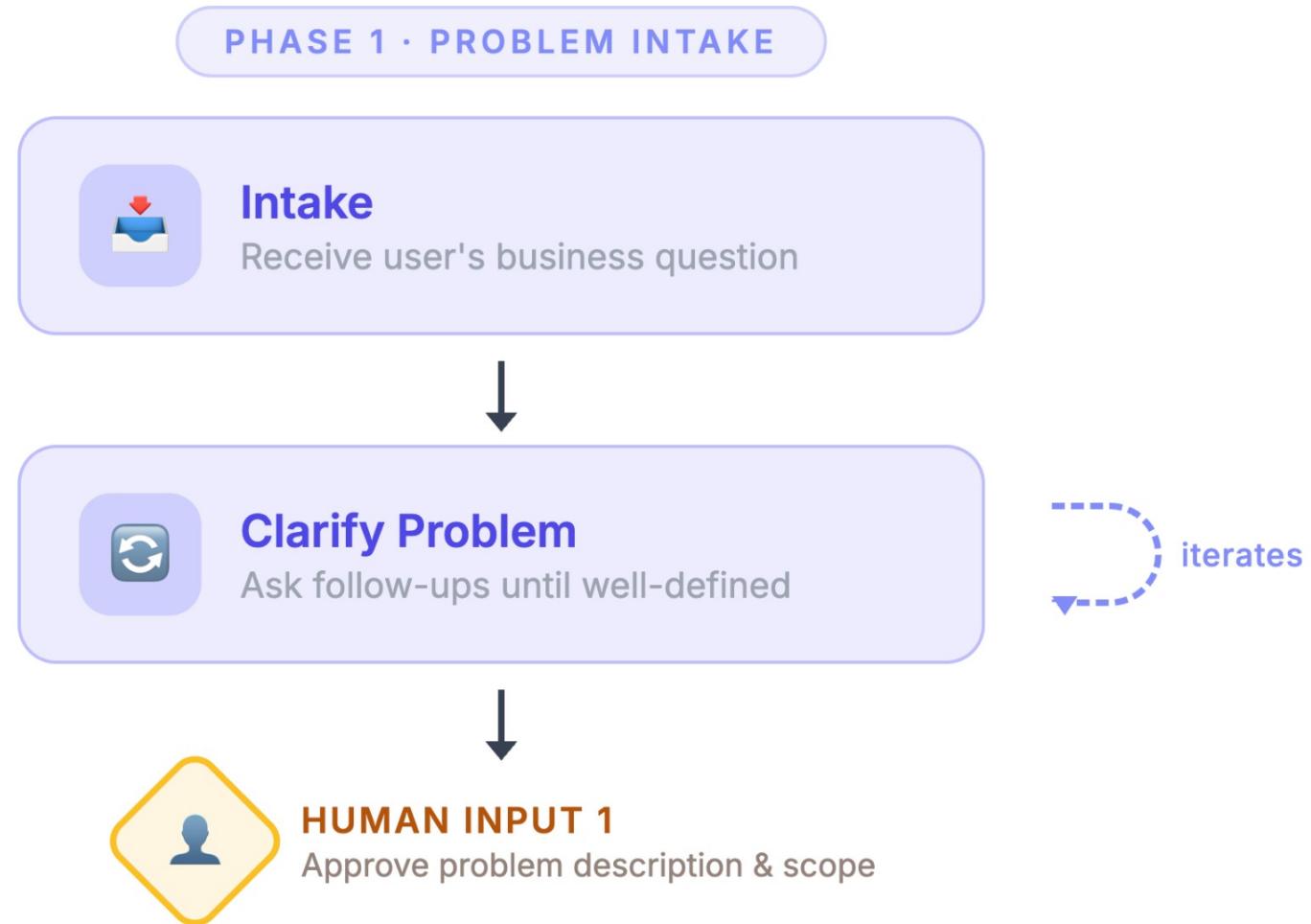


### Synthesizer

Integrates viewpoints into a structured deliverable



# Multi-Agent Collaboration System





# Multi-Agent Collaboration System





# Multi-Agent Collaboration System





# What to Observe



## Model Choice

- How do different LLM choices (such as OpenAI, Claude and Gemini) change agent behavior?
- Does the Critic push back harder with a stronger model?



## Agent Dynamics

- Do agents build on each other's ideas, or just repeat themselves?
- How does human intervention change direction?



## Output Quality

- Is the final plan better than what a single agent would produce?
- What questions benefit most from multi-agent collaboration?

