

# Architectural Overview – Pilot Phase (Phase 1)

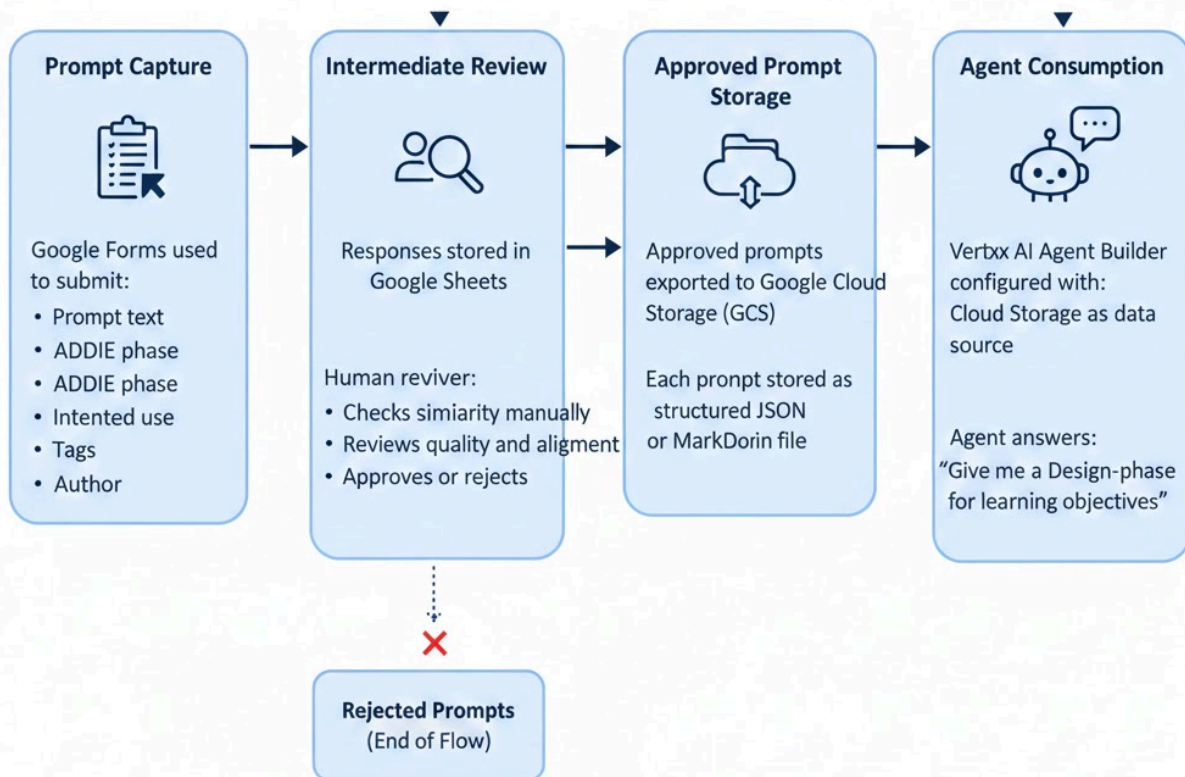
## Phase 1 Goal

Validate the **end-to-end value** of structured prompt capture and agent-based retrieval with **human-in-the-loop controls**.

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## Phase 1 Architecture (Conceptual)

### Prompt Capture

- Google Forms used to submit:
  - Prompt text
  - ADDIE phase
  - Intended use
  - Tags
  - Author

### Intermediate Review

- Responses stored in **Google Sheets**
- Human reviewer:
  - Checks similarity manually
  - Reviews quality and alignment
  - Approves or rejects

### Approved Prompt Storage

- Approved prompts exported to **Google Cloud Storage (GCS)**
- Each prompt stored as a structured JSON or Markdown file

### Agent Consumption

- Vertex AI Agent Builder configured with:
  - **Cloud Storage as a data source**
- Agent answers:  
“Give me a Design-phase prompt for learning objectives”

## Key Characteristics

- Manual similarity detection
- Manual approval
- Simple governance
- Fast to deploy and iterate

## Complete Data Flows:

### 3 End-to-End Flows Documented:

1. Adding new prompts (CSV → Function → BigQuery → Vertex AI)
2. Searching for prompts (User → Gemini → Search → Results)
3. Executing prompts (User → Gemini → Extension → Gemini API → User)

