

Architectural Overview – Pilot Phase (Phase 1)

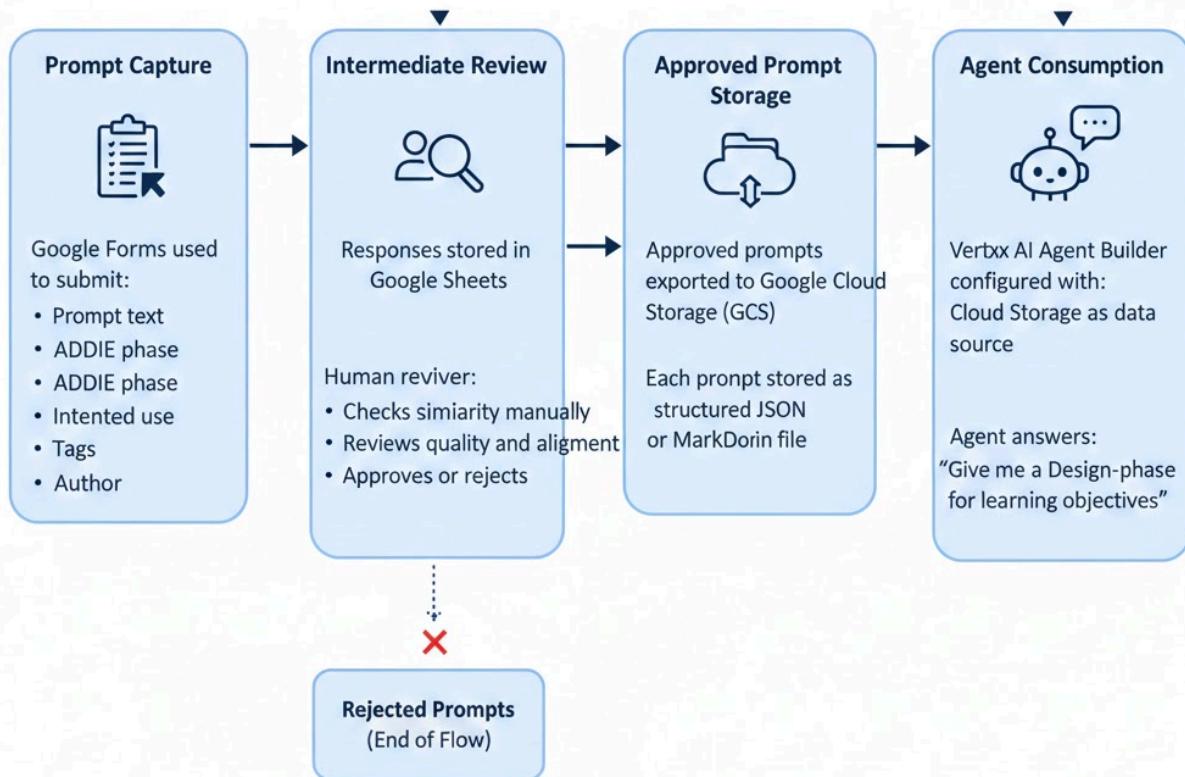
Phase 1 Goal

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)

