

Gemini CLI Core Requirements

Feature Vector: REQ-F-GEMINI-CLI-001 **Intent:** INT-GEMINI-001

Functional Requirements

- **REQ-CLI-001:** Pure Python Implementation. No dependency on Markdown commands.
- **REQ-CLI-002:** Event Sourcing. Every state change must be an append to `events.jsonl`.
- **REQ-CLI-003:** Universal `iterate()` engine. Single function that takes (asset, context, evaluators).
- **REQ-CLI-004:** Projections. Support named profiles (Minimal, Standard, Full) via YAML.
- **REQ-CLI-005:** Functor Escalation. Implement F_D (subprocess), F_P (Gemini API), and F_H (Input).
- **REQ-CLI-006:** Recursive Spawning. F_P can yield a `SpawnRequest` to initiate sub-problem investigations.

Non-Functional Requirements

- **REQ-NF-CLI-001:** Homeostatic. System should warn if `events.jsonl` or Feature Vectors are out of sync.
- **REQ-NF-CLI-002:** Stateless Engine. The engine should not store internal state; it must derive state from the event log.