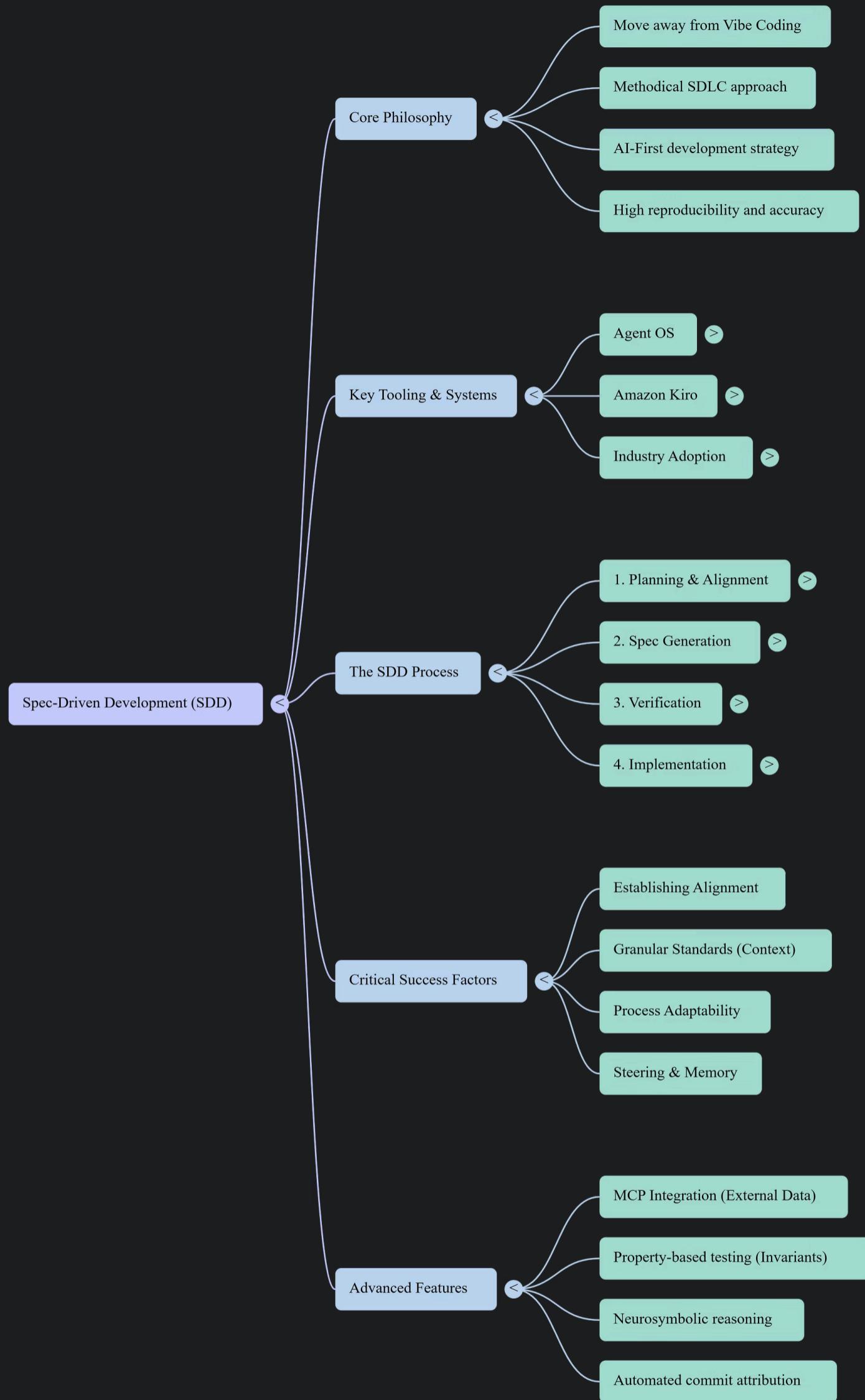




Beyond Vibe Coding— Shipping with SDD

Software development shifts from unpredictable "Vibe Coding" to professional Spec-Driven Development for consistent, high-quality results.

 **GLAIRLABS** Praveen Tiruveedula



Mind map



Phase 1: Strategic Alignment & Ideation

Hash Out Trade-offs

Decide best architectural approach for your product.

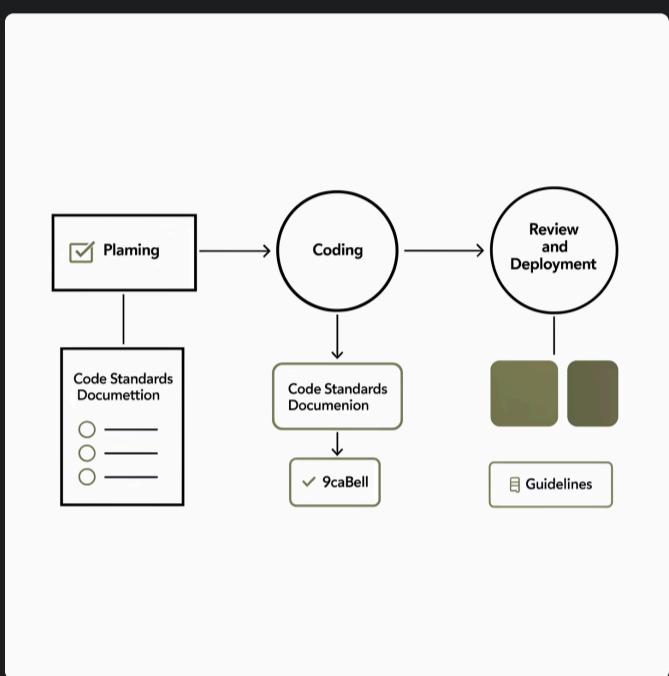
Establish Context

Analyse product roadmap, mission, and edge cases.

Use Visuals

AI agents work better with wireframes or UI mocks.

Phase 2: Standards & Contextual Granularity



Tech Stack & Libraries

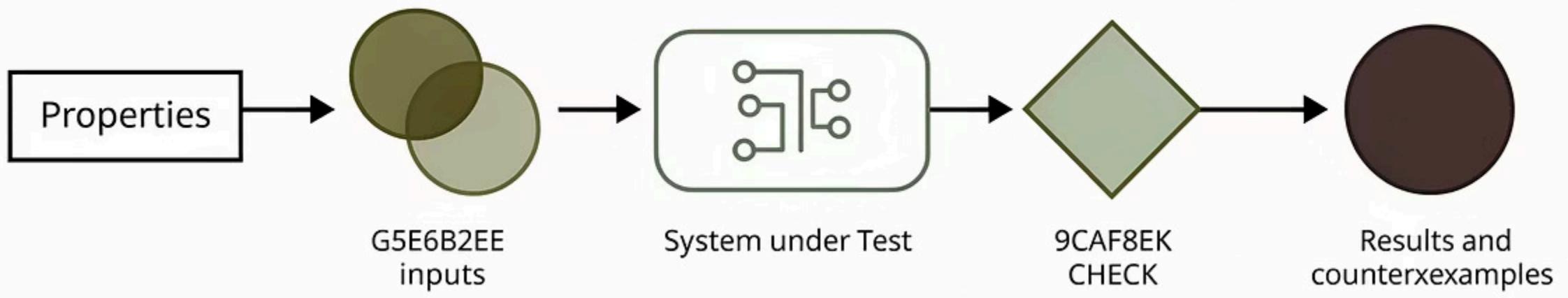
Define established patterns and components in codebase.

Code Style

Instructions for specific layouts and architectural elements.

Reuse

Identify pre-existing code to avoid rebuilding.



Phase 3: The "Engineering" in Vibe Engineering

Professional specs use structured natural language. Amazon Kiro uses EARS format for Property-Based Testing.

01

Requirements Translation

Requirements translated into system invariants.

02

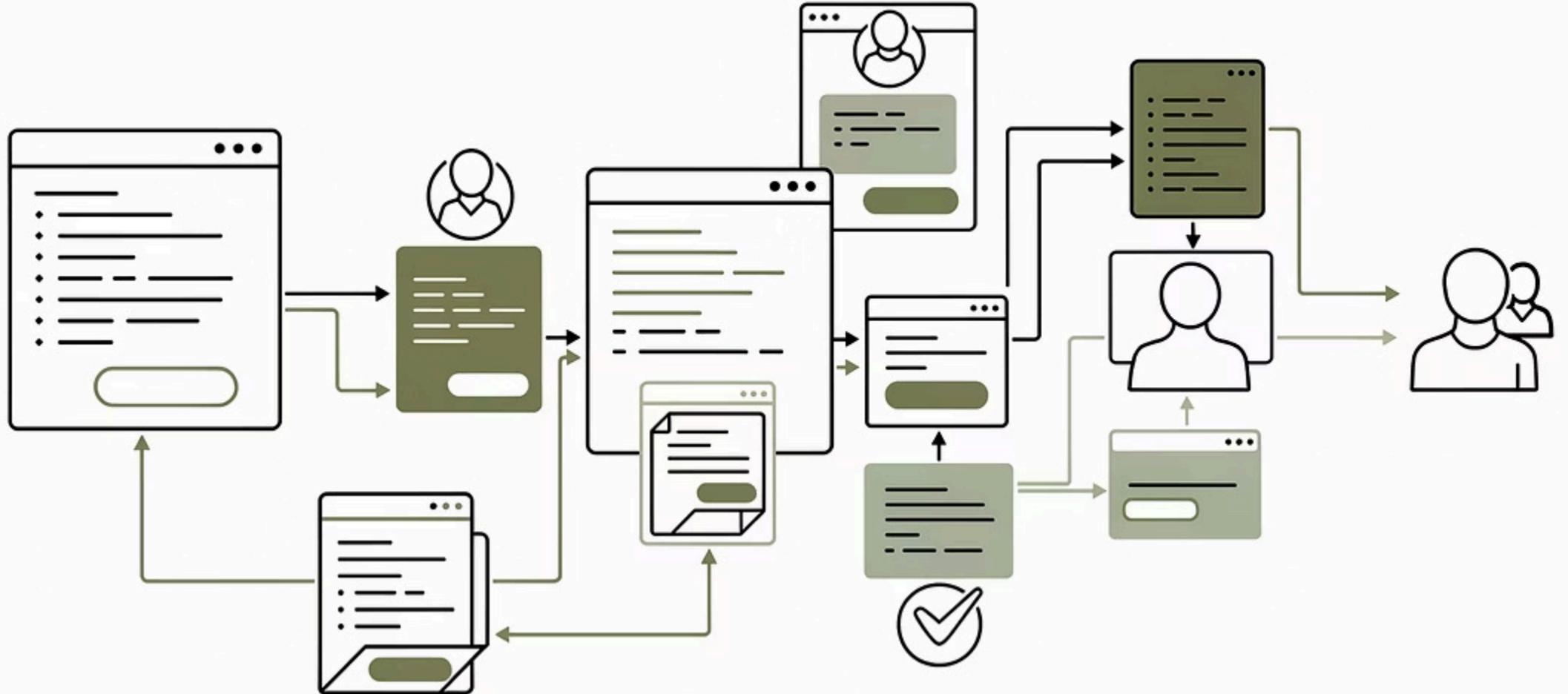
Falsification Testing

System tries to find cases that falsify requirements.

03

High Confidence

Code does exactly what spec says it does.



Phase 4: Adaptability & Living Documentation

Process Flexibility

Workflow allows different focuses—API-first vs. UI-first—depending on feature.

Living Docs

Specs are living documentation that mutates over time.

Spec Reviews

Review diffs of requirements, replacing traditional design sessions.

The Professional AI Workflow

Treat AI agents as orchestrated specialists, not magic black boxes.



Ideate & Align

Focus on design, taste, and experience.

Define Standards

Pre-configure stack to avoid prompting in circles.

Verify & Test

Use structured syntax and PBT for deterministic results.

Stay Flexible

Adapt orchestration to fit project needs.

Share this post if you're ready to move beyond vibe coding!