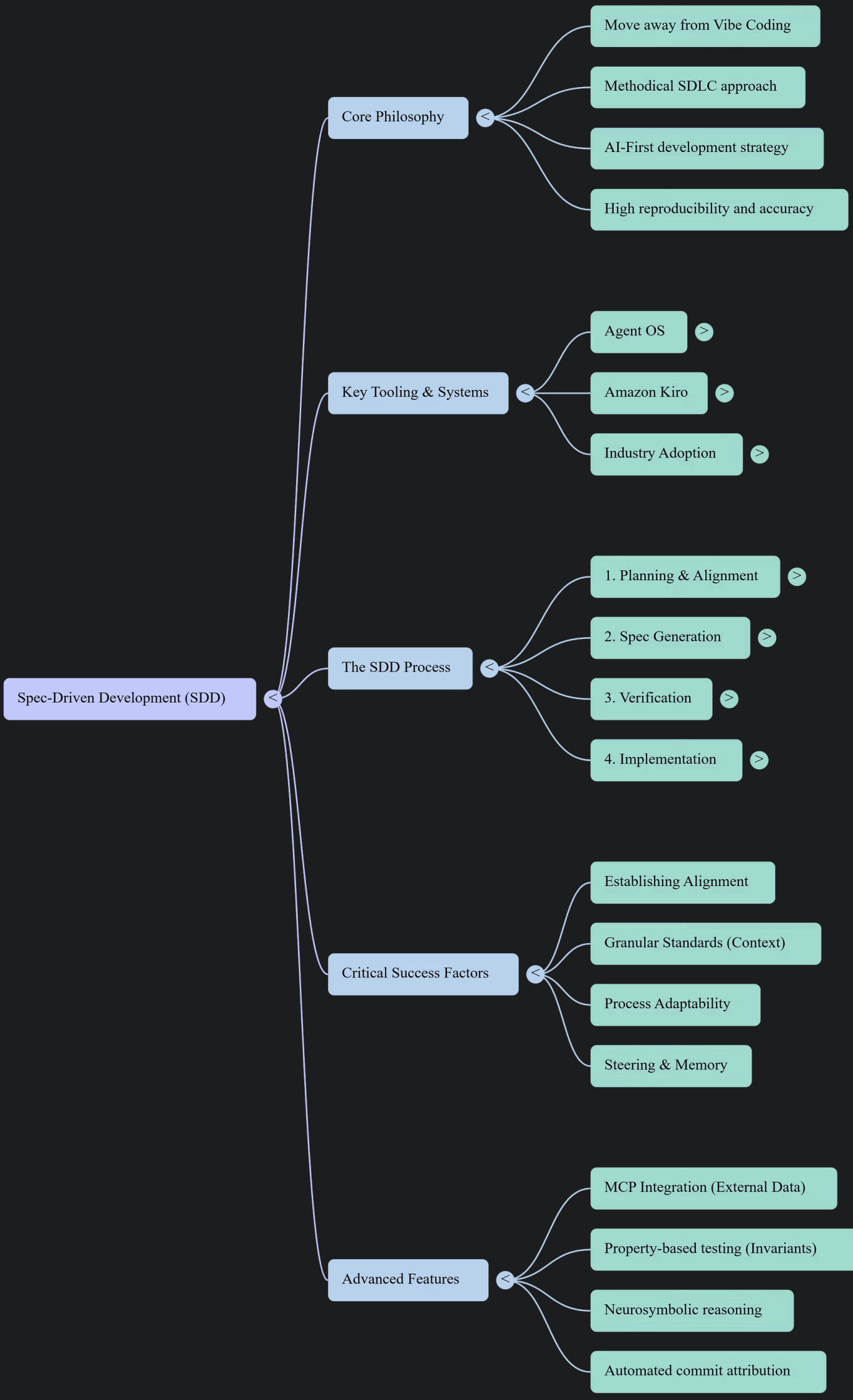


# Beyond Vibe Coding— Shipping with SDD

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

 **LAIRLABS** Praveen Tiruveedula



Mind map



# Phase 1: Strategic Alignment & Ideation

## Hash Out Trade-offs

Decide best architectural approach for your product.

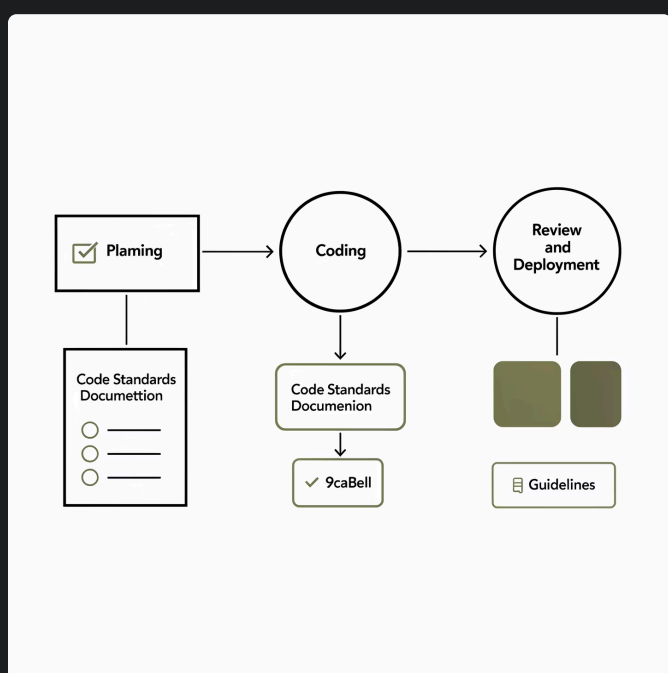
## Establish Context

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

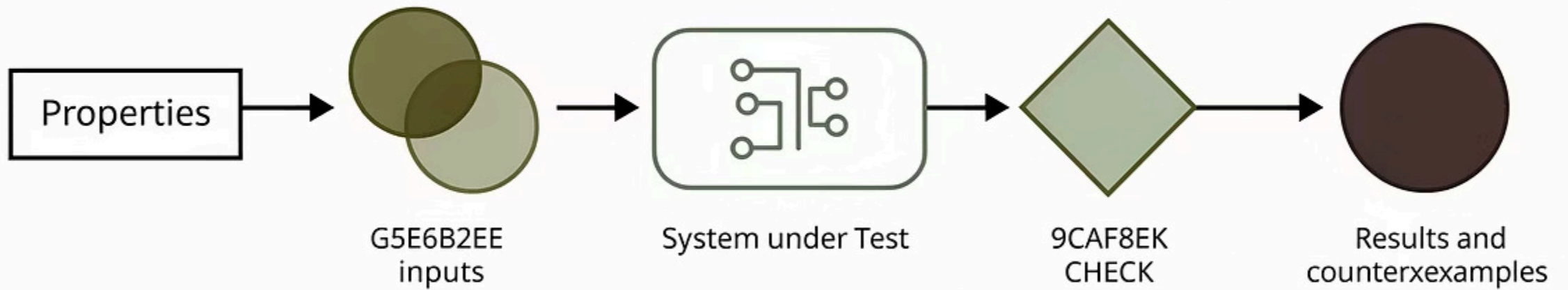
Define established patterns and components in codebase.

## 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

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## Requirements Translation

Requirements translated into system invariants.

02

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## Falsification Testing

System tries to find cases that falsify requirements.

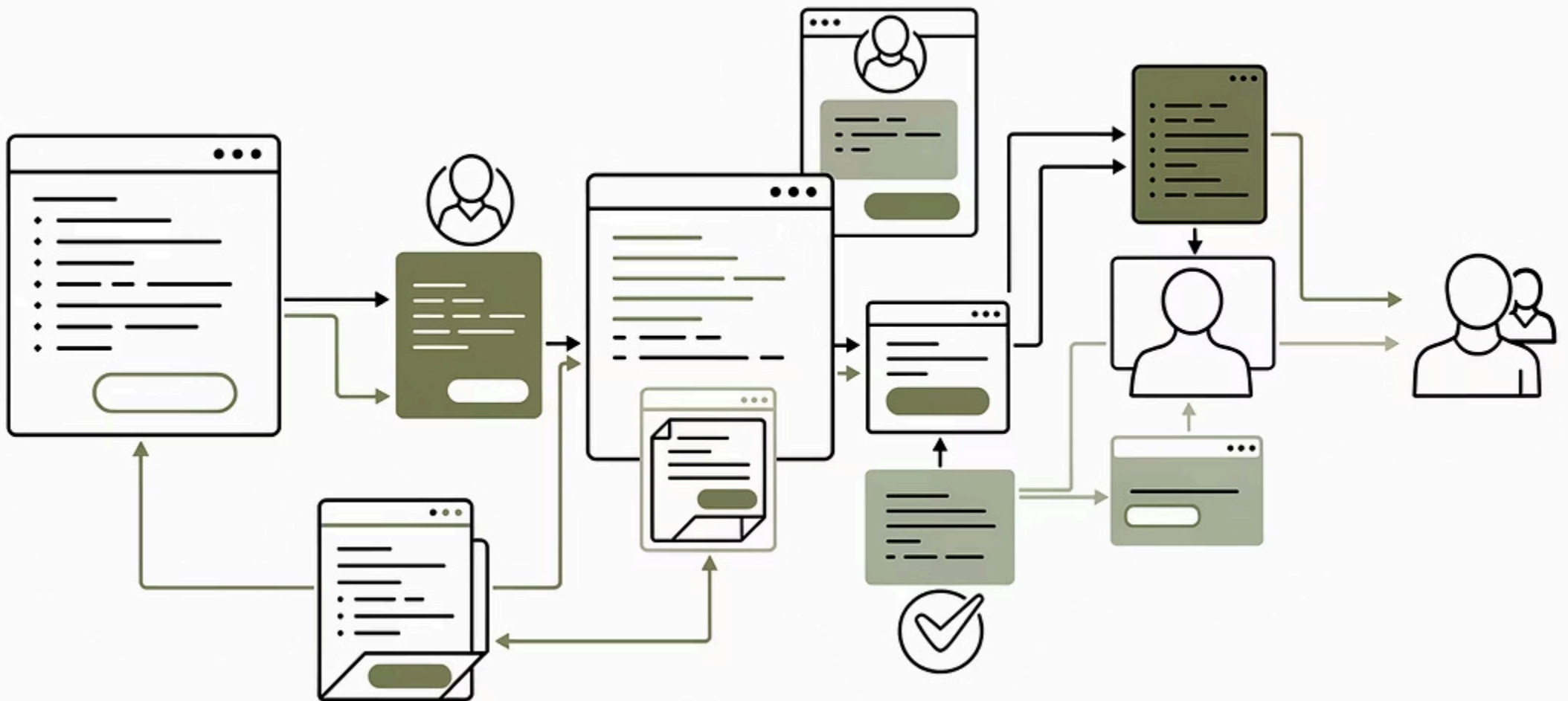
03

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## 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!