AI-Driven-Development

AI-Driven Development_30-Days Challenge

Day Seven 🚀

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Class: Friday — 6:00 PM to 9:00 PM
Date: November 28, 2025

Submission Date: November 29, 2025
Status: Completed

What is SPECKIT PLUS?

SPECKit Plus aik chhota sa framework hai jo hamein project ko step-by-step plan karne, requirements likhne, tasks banane aur akhir me implement karne me help karta hai. Ye basically aik 5-step system hai jo idea ko “plan” se “complete project” tak le jata hai.

Core concepts of SPECKit Plus :

These are the 5 core concepts:

1️⃣ Constitution :

Constitution project ke rules, purpose aur boundaries ko define karta hai. Isme mission aur responsibilities hoti hain jo project ko guide karti hain. Yeh sirf ek dafa likhi jaati hai aur model ko project-specific instructions deti hai. Isme bataya jata hai ke project kis cheez ke baare mein hai, kaise kaam karna hai, kin steps follow karne hain aur kin cheezon se bachna hai. Har kaam me ye rules apply hote hain (global rules).

Example:

school ka annual function organize ho rha hay toh constitution kehta hai: Ye wo rules hain jo **har event**, har performance, har teacher, har student follow karega.

Jaise:

Yeh rule poore function pe apply hota hai. Chahe drama ho ya dance performance, sabko ye standard follow karna hai. Ye ensure karta hai ke kaam smooth aur safe ho.

- Har performance 5 minutes se zyada nahi hogi
- Stage music loud nahi hona chahiye (etc)

2 . Specify:

Specify Phase project ko itna clear define karna ke koi bhi person ya AI bina confusion ke usse build kar sake WHAT pe focus ho HOW py nahi.

Is section mein saari project requirements, features, constraints aur details clearly likhi jaati hain. taake akhir me exactly kya deliver karna hai, pata chal sake . Yeh vague ideas ko precise specifications mein convert karta hai. Strong specifications code se zyada important hain kyunki yeh final output ki quality decide karti hain.

Note: Constitution general framework deta hai, jabke /specify un specific hisson ko detail mein explain karta hai jismein hum kaam kar rahe hote hain.

Example:

Specify Phase :Annual Function ka exact blueprint: WHAT hoga, kab hoga, kitna hoga lekin HOW organize karna hai, wo planning phase hai.

Ek skit ka specification: “Skit 7 min ka hoga, 5 students perform karenge, dialogues simple aur funny honge, aur judges ko entertain karna hai.”

3 . Plan:

Plan project ka roadmap hai jo timeline, milestones aur dependencies define karta hai, taake kaam kab aur kaise complete hoga pata chal sake. Yeh phase focus karta hai ke specification mein set criteria ko kaise implement karna hai. Specification WHAT batata hai (kya banana hai), aur /plan HOW batata hai (architecture aur approach). /plan AI ko guide karta hai ke pehle kya build karna hai, phir kya, aur aakhir mein kya, taake project structured tareeke se execute ho.

Yeh plan har cheez ka order define karta hai. Agar pehle rehearsal nahi hui, toh final performance flop ho sakti hai. Plan ensures smooth execution.

4 .Tasks:

tasks project ko chhote aur manageable tasks mein todta hai taake team members ko apna kaam samajhne aur complete karne mein asani ho.

- **Spec = WHAT (success criteria)**
- **Plan = HOW (architecture)**
- **Tasks = WORK UNITS (15–30 minute ke chhote manageable tasks)**

tasks wo section hai jahan AI ka kaam actionable steps mein tod diya jata hai. Har project ko chhote chhote, 15–30 minute ke clear tasks mein tod diya jata hai, jinka result testable hota hai. Har phase ke baad agent ka kaam rukta hai, phir insan review karta hai, approve karta hai, aur phir next phase start hota hai iss tarah full human control rehta hai.

Example:

- Task 1: Dialogue practice (15 min)
- Task 2: Costume check (15 min)
- Task 3: Final rehearsal (30 min)

Explanation:

Har task short aur specific hai. Teacher ya coordinator har task ke baad check karta hai ke sahi ho raha hai ya nahi. Ye early problems detect karne mein help karta hai.

5 .Implement:

Implementation Phase ka simple matlab yeh hai ke ab hum apni spec aur plan ko real output mein badalte hain, lekin poora process human control ke saath hota hai. AI bas execute karta hai, faislay aap karte ho. Har task ke baad aik checkpoint hota hai jahan aap check karte ho ke output specification ke success criteria ko meet karta hai ya nahi. Agar output perfect na ho, to hum iteration karwate hain yaani AI ko feedback de kar dobara behtar version banwana. Implementation kabhi bhi "AI ko dekar bhool jana" nahi hota, balki "AI + Human collaboration" hota hai: AI execute karta hai, aap validate karte ho.

Example:

Stage pe performance ho rahi hai. Teacher check kar raha hai: dialogues yaad hain, costumes ready hain, props sahi jagah pe hain, aur lighting perfect hai. Agar koi issue ho, wo fix kar lete hain.

🛠 Task-7 - SPECKIT PLUS Framework Implementation ✓

Installation https://ai-native.panaversity.org/docs/SDD-RI-Fundamentals/spec-kit-plus-hands-on/installation-and-setup

Speckit Plus installation and Version :

- pip install specifyplus

Version:

- specifyplus --version