
AI-Driven Development – 30-Day Challenge - Task 7

♦ SPECKit Plus kya hai? (Short Note)

SPECKit Plus darasal GitHub ke SpecKit tool ko fork kar ke Panaversity ki taraf se tayyar kiya gaya ek behtar aur zyada taqatwar tool hai. Yeh ek tool kit hai jismein prompt libraries shaamil hain.

SPECKit Plus ka maqsad software development mein AI-Assisted Development (AI ki madad se development) se aage barh kar **AI-Driven Development** (AI driven development) ki taraf muntaqil hona hai. Yeh developer ko AI agent (jaise Gemini CLI ya Claude Code) ke saath jori (pair) bana kar kaam karne ki ijazat deta hai.

Iss tool mein SpecKit ki tamaam khususiyaat maujood hain. Iss ke ilawa, SPECKit Plus mein horizontal aur vertical market ke liye izafi khususiyaat shaamil ki gayi hain. Jaise **PHRs** (Project History Records) aur **ADRs** (Architectural Decision Records). Yeh pura Software Development Life Cycle (SDLC) cover karta hai, jismein Continuous Integration (CI/CD) aur release management ke mamlaat bhi shaamil hain.

5 Core Concepts ki Mukhtasar Wazahat (Short Answers)

SPECKit Plus ka tareeqa-e-kaar Command Line Interface (CLI) par mabni hai, jo software development life cycle (SDLC) ke aham marhalon ko AI agent ke zariye mukammal karne mein madad karta hai.

❶/constitution (Dastoor ka Marhala)

Yeh kisi bhi naye project ka pehla marhala hota hai, jahan company ki policies aur **Standard Operating Procedures (SOPs)** ko define kiya jata hai.

- **Maqsad:** Iss mein project ki bunyadi zaruriyat, technology stack (Next.js, Fast API, Open AI Agents SDK, etc.), aur coding ke behtareen amal (Best Practices) ki wazahat ki jaati hai.
- **Amal:** Yeh tay kiya jata hai ki code saaf (clean), modular, aur Type Safety par mabni hona chahiye, aur yeh sab agent khud constitution file mein likh deta hai.

❷/specify (Wazahat ka Marhala)

Yeh woh marhala hai jahan project ki zaruriyat aur tafseelaat AI agent ko faraham ki jaati hain, taa-ke woh software ki specifications likh sake.

- **Maqsad:** Client ya developer ki zaruriyat ko tafseeli aur wazeh andaaz mein bayan karna (masalan: basic expense tracking app banana jismein items add, view aur delete kiye ja saken).
- **Amal:** Iss command ke zariye AI agent ko bataya jata hai ki software kya karega. Agent in wazahaton ko parhta hai aur ek 'specs' naam ke folder mein project ki tafseeli specification likh deta hai.

3/plan (Mansuba Bandi ka Marhala)

Iss marhalay mein, AI agent faraham kardah wazahaton ki bunyad par software banane ka mukammal mansuba tayyar karta hai.

- **Maqsad:** Project ke nifaz (implementation) ke liye ek tafseeli roadmap aur documentation (jaise Data Models aur Research Documents) banana.
- **Amal:** Agent project ke phases, data models, aur research documents ko design karta hai. Yeh amal ek high intellectual developer ki tarah kaam karta hai, jo client se izafi sawalaat (cross-questions) poochh kar wazahatein karta hai taa-ke software zyada mature ho jaaye.

4/tasks (Task ka Marhala)

Mansuba bandi mukammal hone ke baad, yeh command project ke amal ko munazzam (organize) karne ke liye tasks banati hai.

- **Maqsad:** Mansube ko chhotay, munazzam tasks mein taqseem karna, jo ke achhe project managers (jaise Scrum Master ya Sprint Engineer) ka kaam hota hai.
- **Amal:** Agent user stories, sprints, aur makhsoos tasks ko define karta hai. Agent ek feature branch banata hai bajaye main branch par kaam karne ke, yeh is baat ka saboot hai ke woh aik aqalmand developer ki tarah kaam karta hai.

5/implement (Nifaz ka Marhala)

Yeh project development ka aakhri marhala hai, jahan AI agent asal mein code likhta hai.

- **Maqsad:** Mansube aur tasks ke mutabiq software ko code kar ke tayyar karna.
- **Amal:** Developer agent ko marhala waar (Phase by Phase) kaam karne ki hidayat di jaati hai (masalan: Phase one aur Phase two ka nifaz). Yeh agent development, commit, aur tamaam coding baghair kisi insani mudakhlat ke mukammal karta hai. Iske nateejay mein pura software chalna shuru ho jata hai. Yeh marhala developer ki productivity ko 10X tak barha sakta hai.

```
Command Prompt
Microsoft Windows [Version 10.0.19045.6466]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Multi Point 247>pip install specifyplus
Collecting specifyplus
  Downloading specifyplus-0.0.19-py3-none-any.whl.metadata (517 bytes)
Collecting httpx[socks] (from specifyplus)
  Downloading httpx-0.28.1-py3-none-any.whl.metadata (7.1 kB)
Collecting platformdirs (from specifyplus)
  Downloading platformdirs-4.5.0-py3-none-any.whl.metadata (12 kB)
Collecting readchar (from specifyplus)
  Downloading readchar-4.2.1-py3-none-any.whl.metadata (7.5 kB)
Requirement already satisfied: rich in c:\users\multi point 247\appdata\local\programs\python\python311\lib\site-packages (from specifyplus) (9.4)
Collecting truststore>=0.10.4 (from specifyplus)
  Downloading truststore-0.10.4-py3-none-any.whl.metadata (4.4 kB)
Collecting typer (from specifyplus)
  Downloading typer-0.20.0-py3-none-any.whl.metadata (16 kB)
Collecting anyio (from httpx[socks]->specifyplus)
  Downloading anyio-4.12.0-py3-none-any.whl.metadata (4.3 kB)
Requirement already satisfied: certifi in c:\users\multi point 247\appdata\local\programs\python\python311\lib\site-packages (from httpx[socks]->specifyplus) (2024.12.14)
```

```
Command Prompt
Downloading socksio-1.0.0-py3-none-any.whl (12 kB)
Downloading platformdirs-4.5.0-py3-none-any.whl (18 kB)
Downloading readchar-4.2.1-py3-none-any.whl (9.3 kB)
Downloading typer-0.20.0-py3-none-any.whl (47 kB)
----- 47.0/47.0 kB 2.3 MB/s eta 0:00:00
Downloading shellingham-1.5.4-py2.py3-none-any.whl (9.8 kB)
Downloading anyio-4.12.0-py3-none-any.whl (113 kB)
----- 113.4/113.4 kB 3.3 MB/s eta 0:00:00
Downloading httpx-0.28.1-py3-none-any.whl (73 kB)
----- 73.5/73.5 kB 4.0 MB/s eta 0:00:00
Downloading h11-0.16.0-py3-none-any.whl (37 kB)
Installing collected packages: truststore, socksio, shellingham, readchar, platformdirs, h11, anyio, httpcore, typer, httpx, specifyplus
Successfully installed anyio-4.12.0 h11-0.16.0 httpcore-1.0.9 httpx-0.28.1 platformdirs-4.5.0 readchar-4.2.1 shellingham-1.5.4 socksio-1.0.0 specifyplus-0.0.19 truststore-0.10.4 typer-0.20.0

[notice] A new release of pip is available: 24.0 -> 25.3
[notice] To update, run: python.exe -m pip install --upgrade pip

C:\Users\Multi Point 247>specifyplus --version
SpecifyPlus CLI v0.0.19

C:\Users\Multi Point 247>
```