

PROMPT & CONTEXT ENGINEERING

- Have proper document structure to make efficient use of content window size
- for a project the doc should be

Docs:

Bug-tracking.md

implementation.md

project structure.md

R.VX doc.md

cursor links

generate.md

workflow.md → short and clean methods

PRD.md → Product Requirement Document

→ decide the tech stack by yourself.

P.T.O

Tips for new code:

Tip 1: Choose the technology by your own research and ask the agent to do the project on the same.

Tip 2: Always choose popular technology. coz AI is much more familiar & large community to help.

Tip 3: Design a solution and ask the AI to work it. Don't give open-ended questions to AI.

Tip 4: Break big task to sub-task of list and give the AI as list of tasks.

Tip 5: find the right balance of task scope (not too big or too small). Comes with experience).

Tip 6: Examples in prompts with edge cases so the AI can understand better.

Tip 7: give some sample code to learn to AI.

Tip 8: Use `@doc` & `@WebContent` utilities to build a working and fast practical coding.

Tip 9: Make sure add prompts to ensure security and make the code perform well.

Tip 10: Ask for any additional considerations for building any feature.

Tip 11: Use either of two approach

AI do write
test after development

Test-driven development
→ write test first &
develop a code to
satisfy all tests.

Tip 12: Have AI create your documentation
for precise understanding

Tip 13: give clear names to fn's with
specific names.

MODIFYING EXISTING CODE

Tip 14: Keep code organized by asking AI to refactor & simplify the code.

→ helps in better understanding

- Eg: json splitting data parser to csv parser, xml parser etc...

Tip 15: Properly manage the context to AI to prevent hallucinations.

Tip 16: Tag specific files to context to get the AI to understand in depth

Tip 17: Keep files at 300 lines or less to make AI understand easier & efficient.

Tip 18: Full conversation is a context so use new chat for new things.

Tip 19: New feature → New chat.

Tip 20: Tell AI what works well (need no changes) & what doesn't

had the end of
every feature development.

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Tip21: Ask AI to find edge cases & all possible bugs.



Tip22: Ask AI to review the code.

Tip23: Watch GitHub's of a current code before editing.

TROUBLESHOOTING:

Tip24: Be specific about what is going wrong & what is correct.

Tip25: Share screenshots of what is wrong.

Tip26: Share the entire errors.



Tip27: Braver method:
→ add logs to everything
→ give that to AI to find the error quickly.

Tip28: Ask AI to explain the code, figure out your way of handling bugs.

i.
it

Tip29: Ask AI to use "RADICALLY different approach" to force to think differently.

it

Tip30: Know when to stop asking AI & look by your own.

LEARNING TO CODE

Tip31: Keep it simple + you're new dev do AI.

Tip32: Explain code line by line with comments.

→ Implement (or) Ask AI if you've seen this pattern before to enhance in learning.

Tip33: Ask AI to explain specific task or concept.

Tip34: Ask how to build.

Tip 35: Ask AI to show you good examples for understanding.

Tip 36: Tell AI what you understand & what you don't.

Tip 37: focus on learning & fundamental core concepts.