

CLAUDE CODE DEEP RESEARCH PATTERNS

Author: Daniel Rosehill

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View on GitHub 

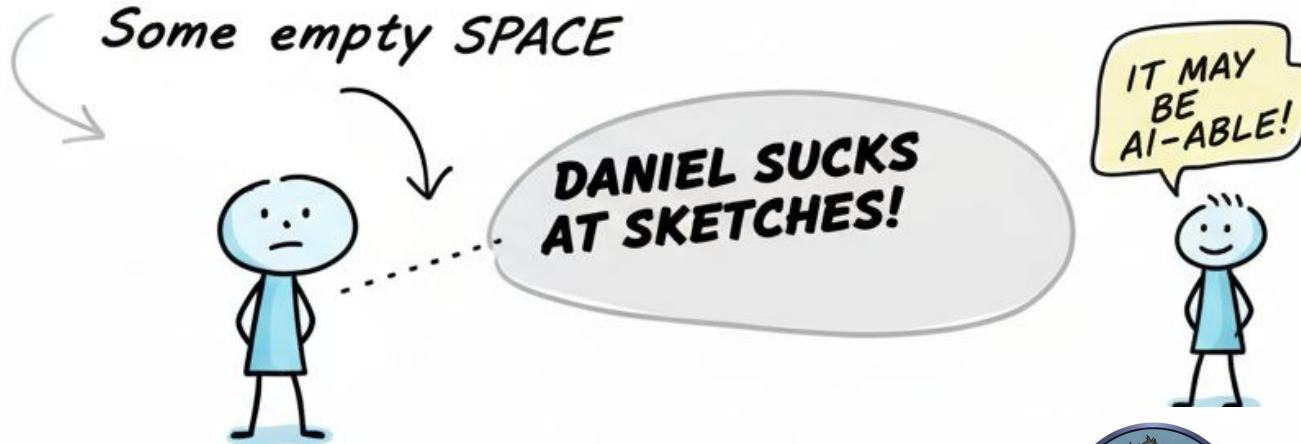


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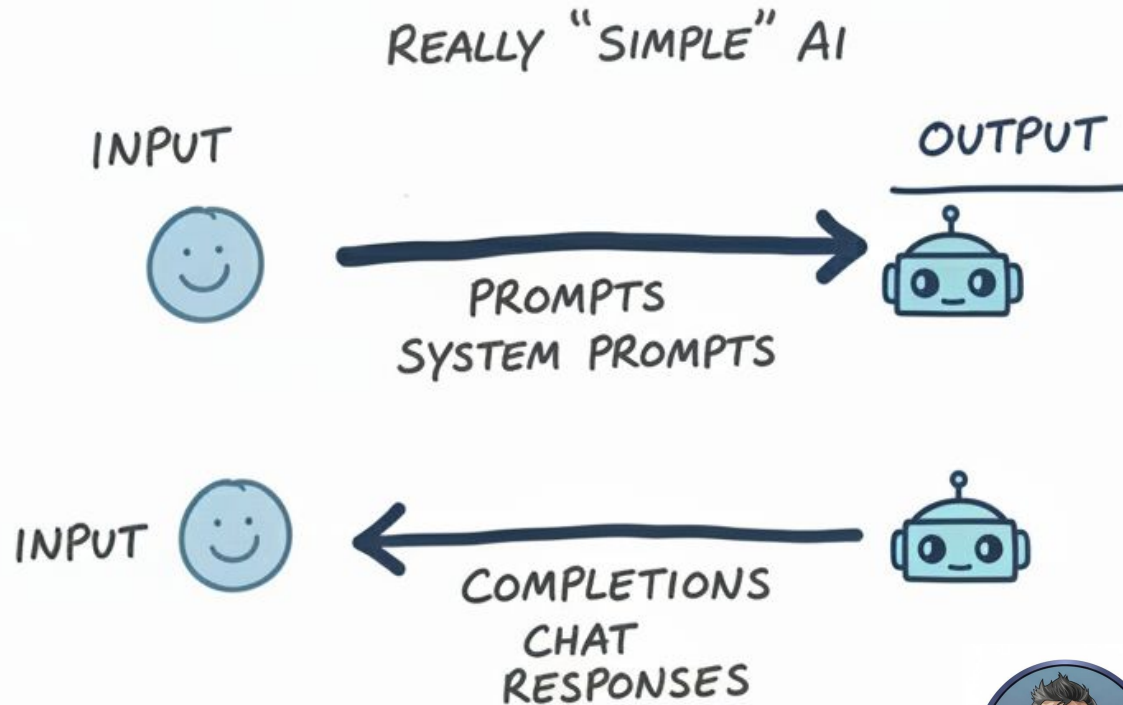
MY DEEP RESEARCH PATTERN

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To demo: Nano Banana note cleanup + Flowchart
a test CAPABILITIES.

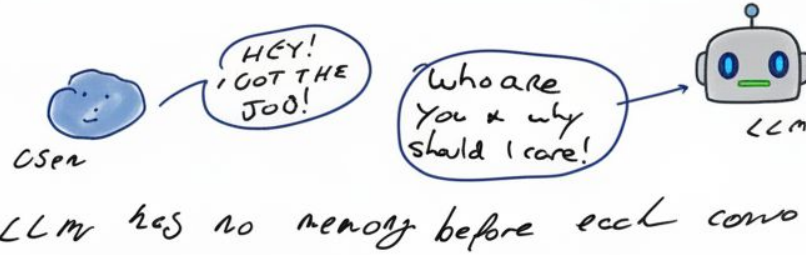


Agentic AI: IMAGINE IT AS AN INGREDIENT LIST.

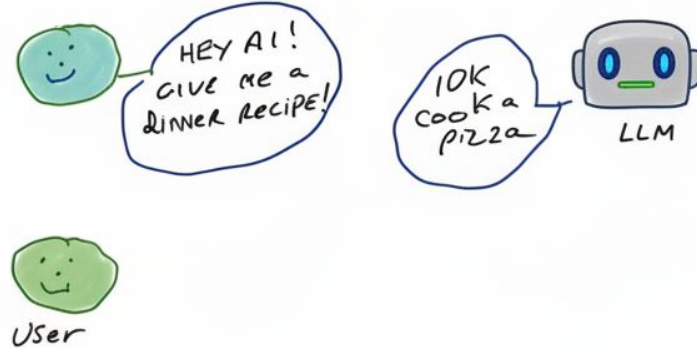


PITFALLS OF SIMPLE AI

NO
MEMORY



NO
CONTEXT



LLM is context NAIVE



OTHER ANNOYANCES ...

No Knowledge
past training



Who's
the
pros?

STILL
BIDEN



X

No Tool use/
MCP



Cool sold
that to
ry gl

Here's
An email
you can
paste.



NO
OUTPUT
STORAGE
MECHANISM



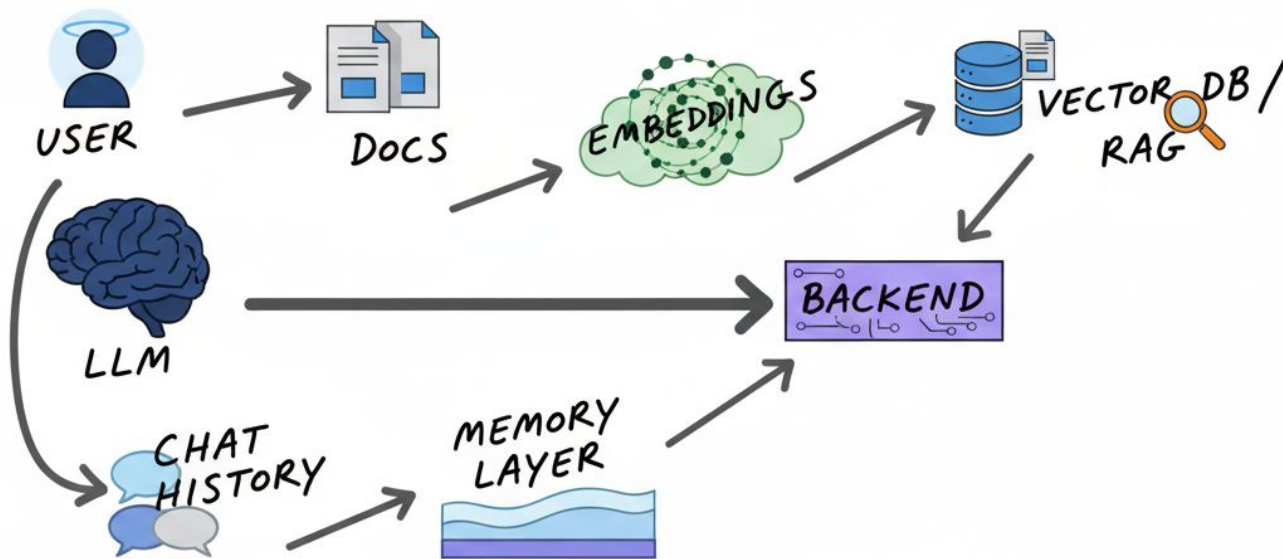
That was epic!
Can you save it
as a Gdoc?



NO
CAN
DO







Why "Convenational" Solutions Are Viable But...



much complication



The Repository AS An IDEAL MINIATURISED & self contained AI WORKSPACE

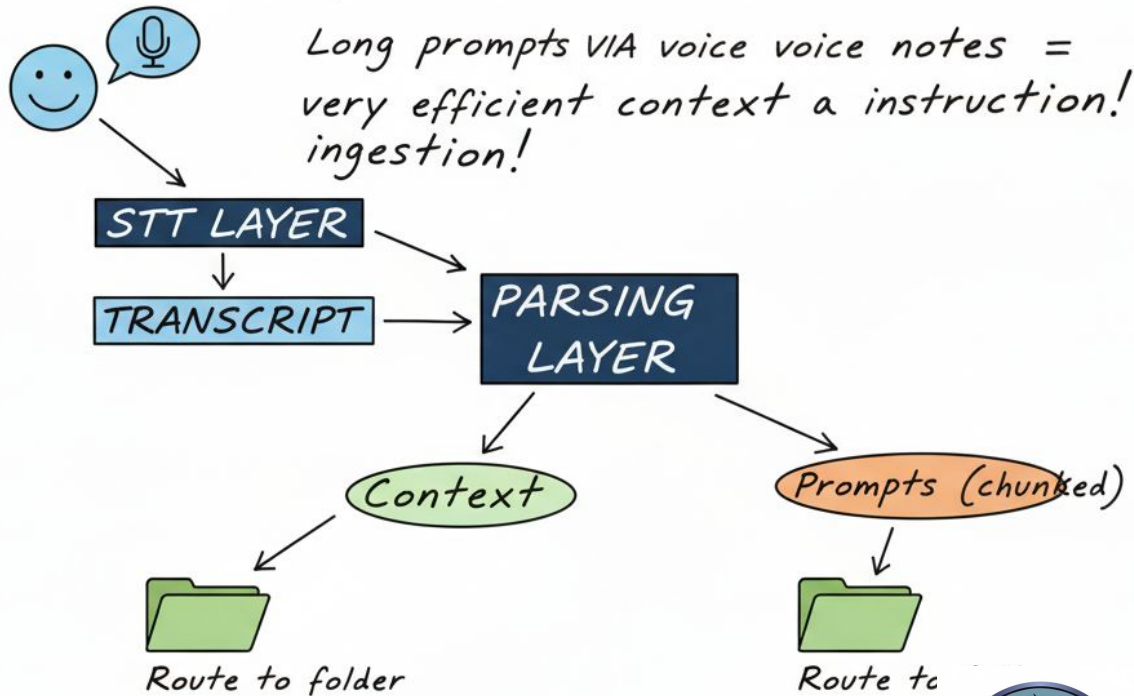
1.  PROMPTS → PROMPT HISTORY,
HAS context?
2.  CONTEXT → RAG surroCATE or
Repo RAG impalementation
3.  MEMORY → JSon
4.  OUTPUTS → Storage! Button of
out put pipeline!
promts can se
pipelined too
5. System PROMPT
(C claudend et al)

5 Core modules implemated just AS
files & folders: Ain tooling, ~~prom~~ selectiv
Contex

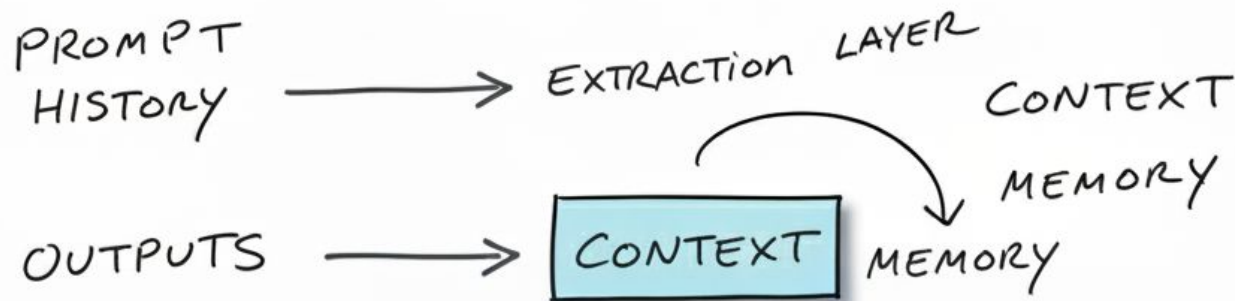


INPUT PIPELINE

voice workflow



Slash commands for creating powerful mechanisms for using info effectively



Context Grounding mechanism to avoid unhelpful generations.

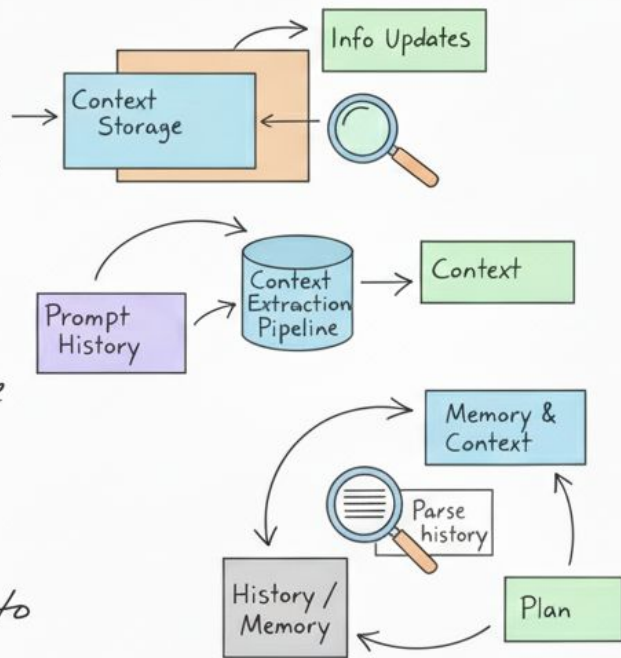


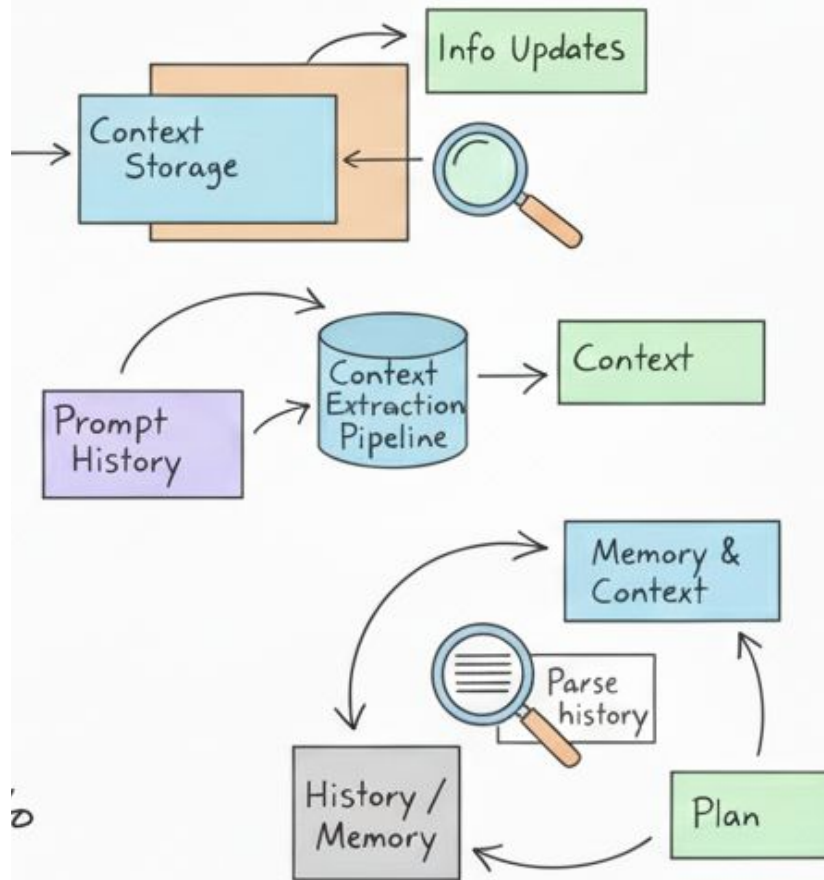
Project level judgments for optimising
system operation for long term
research projects

/prune-context: Review context stored
info updates

/prompt-to-context: Run prompt history to
context extraction pipeline

/analyse-next: Parse history / mem to
analyse evolution & feed to
to memory & context / plan





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