

OPTIMIZELY ASSIGNMENT

BRAINSTORMING NOTES

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## Problem - 1

All tools  
in same  
file

BAD FOR  
EXTENSIBILITY

ADD A NEW TOOL

## SOLUTION

Separate  
them into files

Keep an init file for

\* PROBABLY USE API to get rates

\* Keep a base currency for conversion

OR

(Probably USD)

IF API PROVIDE DIRECTLY

~~DIRECT NO BASE~~

## PROBLEM - 2

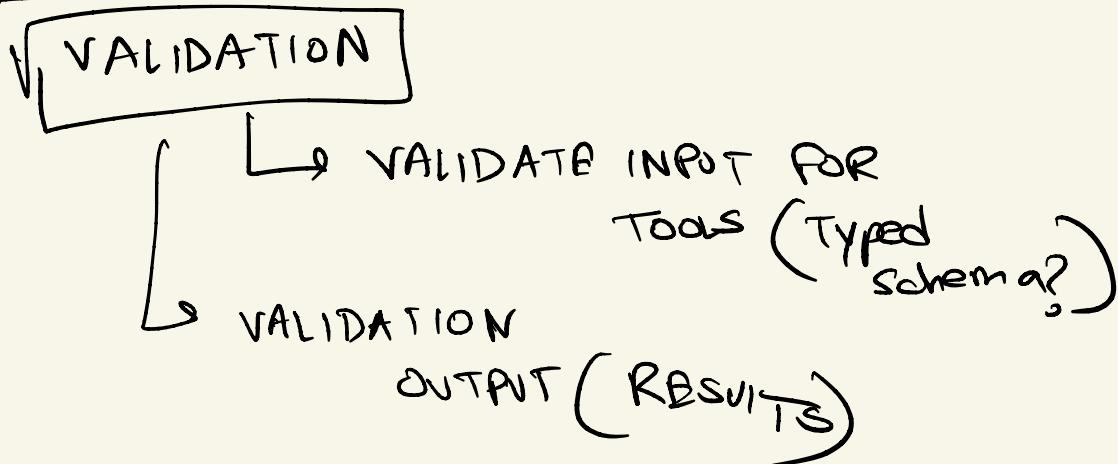
- NEED TO IDENTIFY WHICH PART OF THE PROMPT REQUIRES TOOLS AND WHICH REQUIRE LLM.

SINCE GENERALIZATION REQUIRED-

USE REGEX AS MUCH AS  
POSSIBLE

↳ POSSIBLE  
SOLUTION?

## PROBLEM - 3



## PROBLEM- 4

ORCHESTRATION

ORDER OR SEQUENCE

IF CANNOT  
ANSWER USING  
TOOLS, MAYBE  
USE LLM?  
POSSIBLY BREAK  
THE PROMPT INTO A TREE?

POSSIBLE IMPROVEMENTS

1) Logging:

Prompts ✓

Responses ✓

2) Improvement

on functionalities

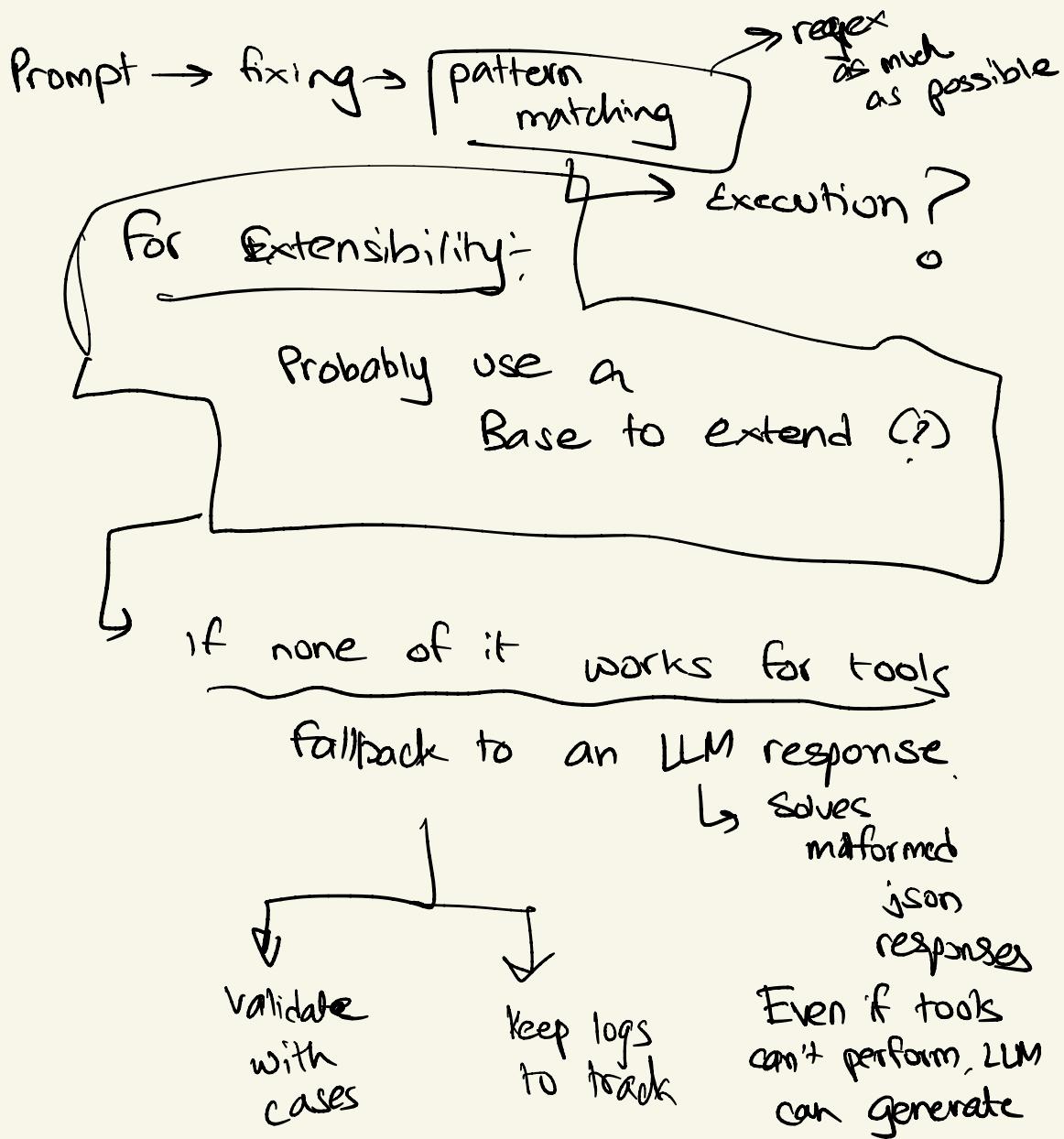
on existing tool.

3) Documentation

↳ Better handling  
↳ use weather API

## Possible Solutions:-

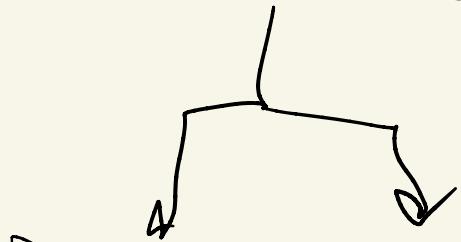
### Different Agents + Layers



## Designing the LLM

model can be changed anytime

System Prompt - ?



- i) Assistant →
- ii) Provide ~~faster~~ Concise answers
- iii) Reassure on constraints
- iv) Provide Examples given in question for reference