







**@mention Detection** 

Parse messages to find mentions of other users and pull their info too

**Conversation Tag Detection WIP: Specify** [<CONVO\_TAG\_ID>] to include this grounding as well







descriptions

Summarize any attached documents

**OCR** Download and get any OCR text from an image or PDF



### Request **Understanding**

Analyze the current message in context of its thread to understand if a request is being made and what that is

**Sentiment Analysis** 

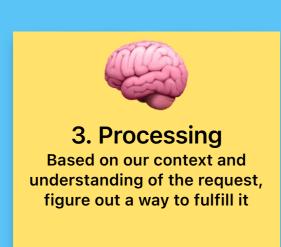
Analyze the request understanding and message to further understand what the requestor wants

**Lexicon Grounding** 

Search messages for terms that match the lexicon and include annotations



**Failure** 



#### **Request Engineering** Generate a list of steps we

need for the request

### **Tooling/Agent** Dispatch

Reach out and ask available agents if they can handle part or all of the request

**Extra Requirements** Gathering

Interactively prompt the user ephemerally if new information is needed.



Success

## **Access Control**

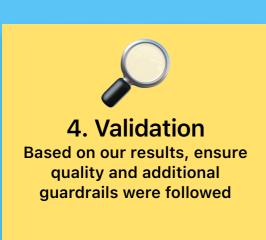
Include annotations for access control and validate before agent execution

### **Tooling/Agent Execution**

Ask tooling and agents to do their thing and get results back



**Failure** 



## **Tooling/Agent**

Dispatch

Based on Processing Results, engage additional output review steps for validation

### **Tooling/Agent**

**Execution** 

Ask tooling and agents to do their thing and get results back

## **User Profile Updates**

Use this exchange to update profile notes about the author for later



**Success** 



Generate a response based on our results

#### Response Refinement

**Ensure mentions are** formatted correctly, the bot knows its name, the response

is cohesive, etc.

# Response LLM

Review Any additional passes to review the response via LLMs



**Failure**