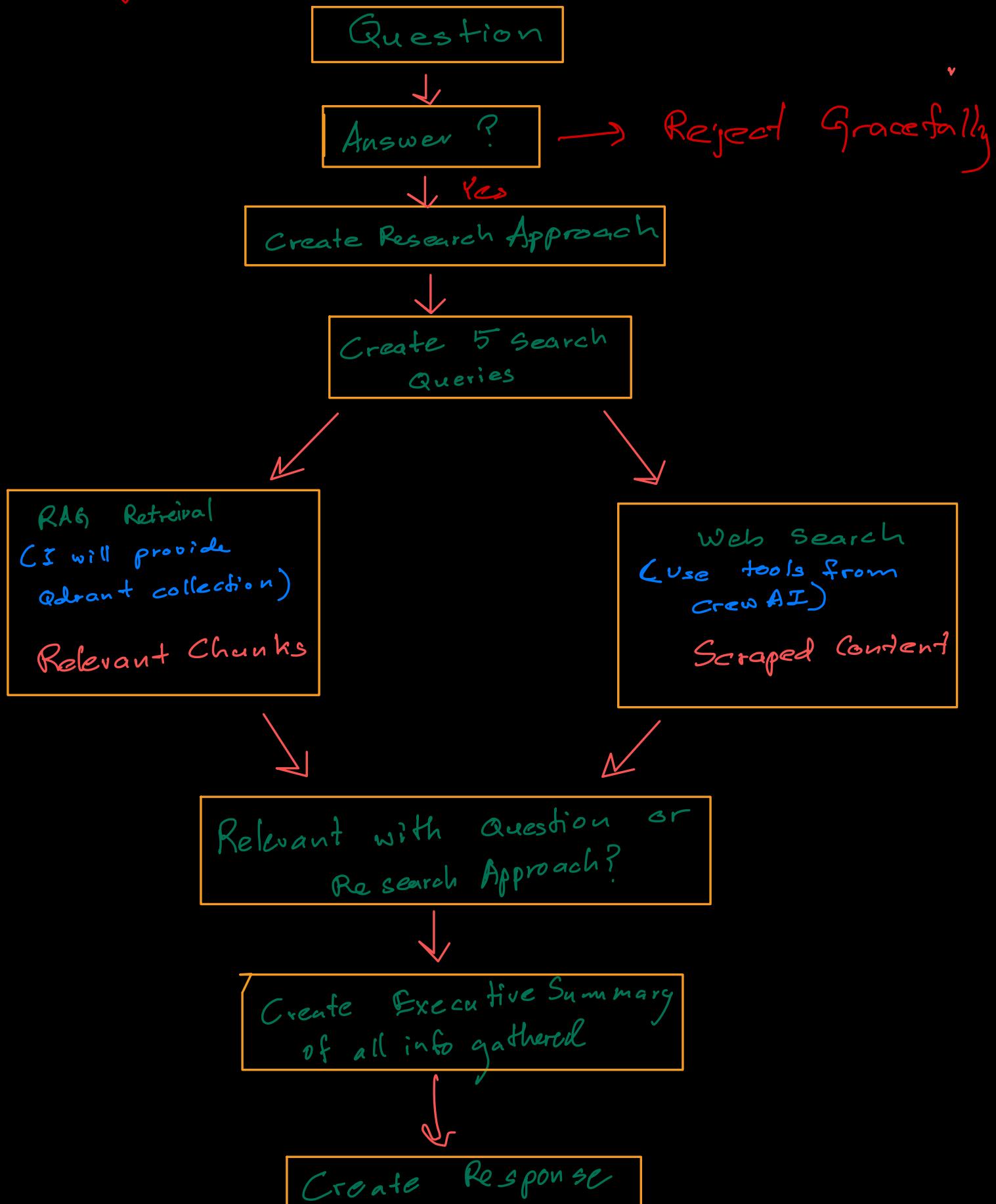


Proposed Flow: AI Researcher

- ⇒ Objective : When given a complex research query by the user, Perform Web search and RAG and provide a well researched Response
- ⇒ Guidance : • Use CrewAI + Qdrant + Any LLM
- ⇒ Scope & Delimiters:
 - * Should Answer Questions about:
 - ⇒ Technology / Innovations
 - ⇒ Science / History / Philosophy
 - ⇒ Mathematics / Engineering
 - ⇒ Business / Economics
 - ⇒ Current Affairs / Politics
 - * Should Reject Questions About
 - ⇒ Sports
 - ⇒ Harmful Content
 - ⇒ Entertainment⇒ Non Questions
(Statements)

Flow diagram (Proposal Only) (Tasks)



* This is just a proposal

* Be mindful of dates ⏱

Tips:

* Optimize for latency:

⇒ It takes 10 mins = Bad

⇒ It takes 5 mins = Bad

⇒ It takes < 3mins = Perfect!

⇒ Answer is Bullshit = Bad

* Use built-in tools in
Grew AI

* This is Sequential! 🧑

* Given task Breakdown is
just an example
Optimize and Customize

* Don't use Reasoning LLMs

* LLM suggestions:

⇒ gpt-40-mini

⇒ mistral-small-ladies

⇒ ministral-8b

⇒ GPT-40 / Claude 3.7

⇒

Must Be FastAPI Service!

- Must use uv (NO pip)
- Use a sensible folder structure.
- Use Pydantic V2 for endpoint Validation
- Use:
 - * type hints
 - * doc-strings / comments
 - * functional programming whenever possible
 - * RORO [Google it!]
- * NO API keys on VC 
- Create a public git repo (must)
- Use .env for all API Keys and other secrets
- Use clear commit messages and sensible commits
 - ↳ don't dump code in single commits