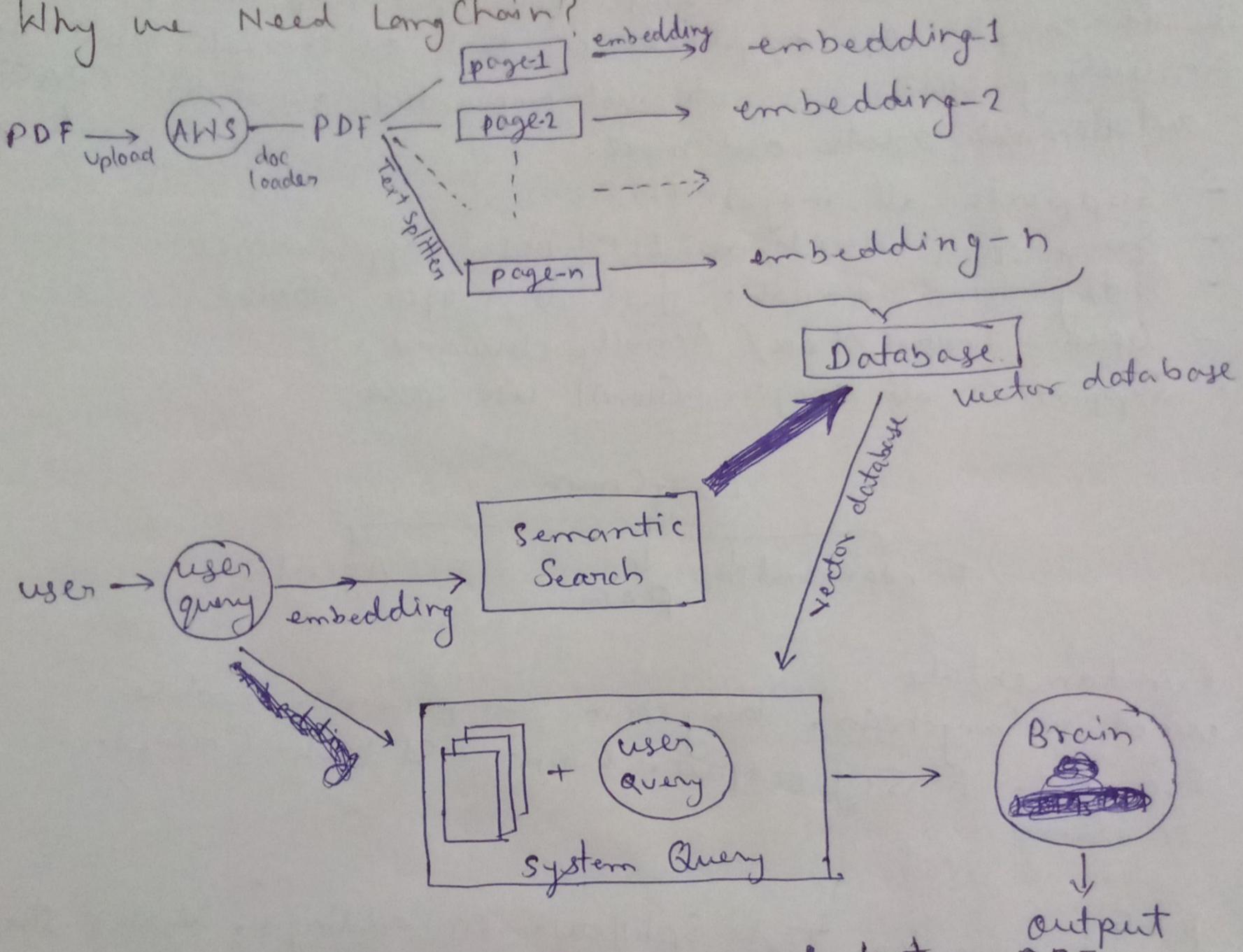


01 Jan 2026

What is LangChain?

LangChain is an Open-Source framework for developing applications powered by large language models (LLMs)

Why we Need LangChain?



without Langchain A Query-Answer based bot on PDF

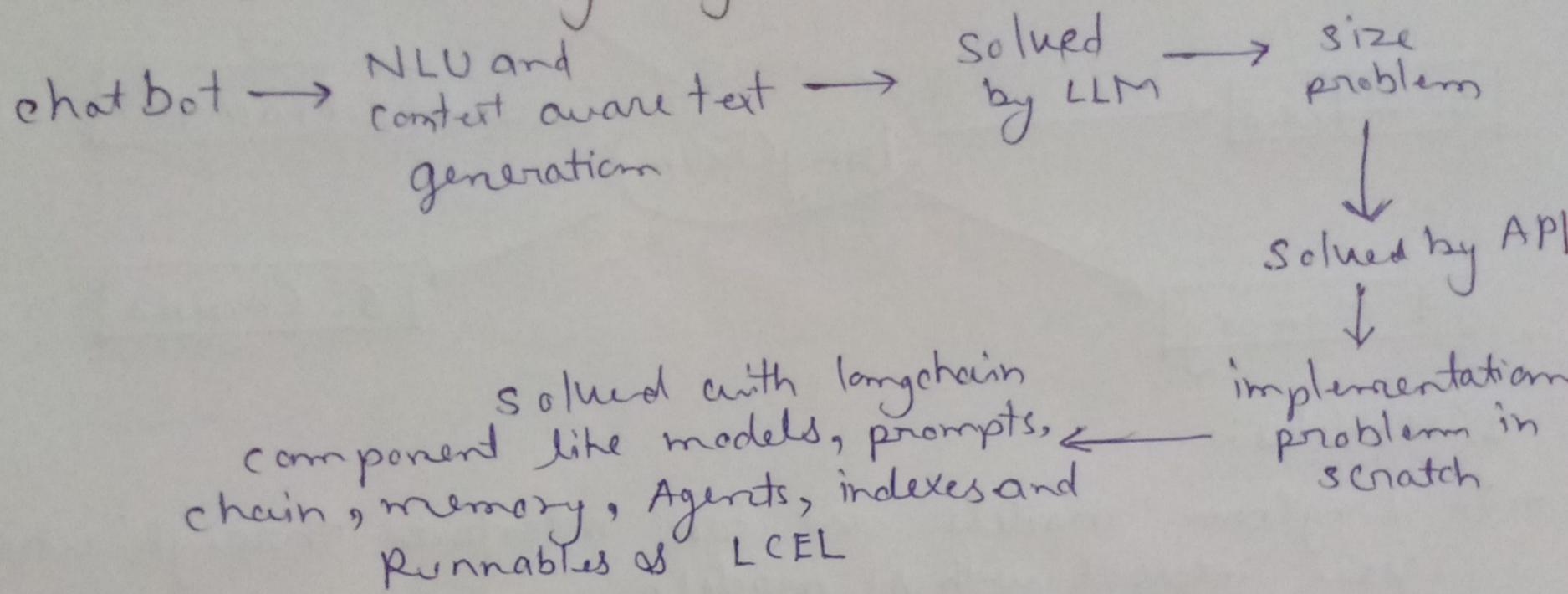
challenges to build above application:

- Build the brain, now a day it is possible with LLM and LLM API (to solve NLU and computation respectively).
- in the above we apply the general task like doc loader, text splitter, embedding, Semantic search to handle this pipeline and build it from scratch is hard but in Langchain is easy to handle with chains, prompt, indexes, memory, Agents, Runnables and models.

Benefits of using longchain:

- Concept of chains
- Model Agnostic Development
- Complete ecosystem
- Memory and state handling

Problems Solved by longchain:



What can we build using longchain?

- Conversational Chatbots
- AI knowledge Assistants
- AI Agents
- Workflow Automation
- Summarization / Research Helpers.

Some Alternative of longchain

- LlamaIndex
- Haystack