

# Design bots using Flowise

# Last amended: 4<sup>th</sup> May, 2025

# My folder: C:\Users\ashok\OneDrive\Documents\flowise

# Flowise Book created by Community [at this link](#)

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## A. Simple demo

See [this link](#) on YouTube.

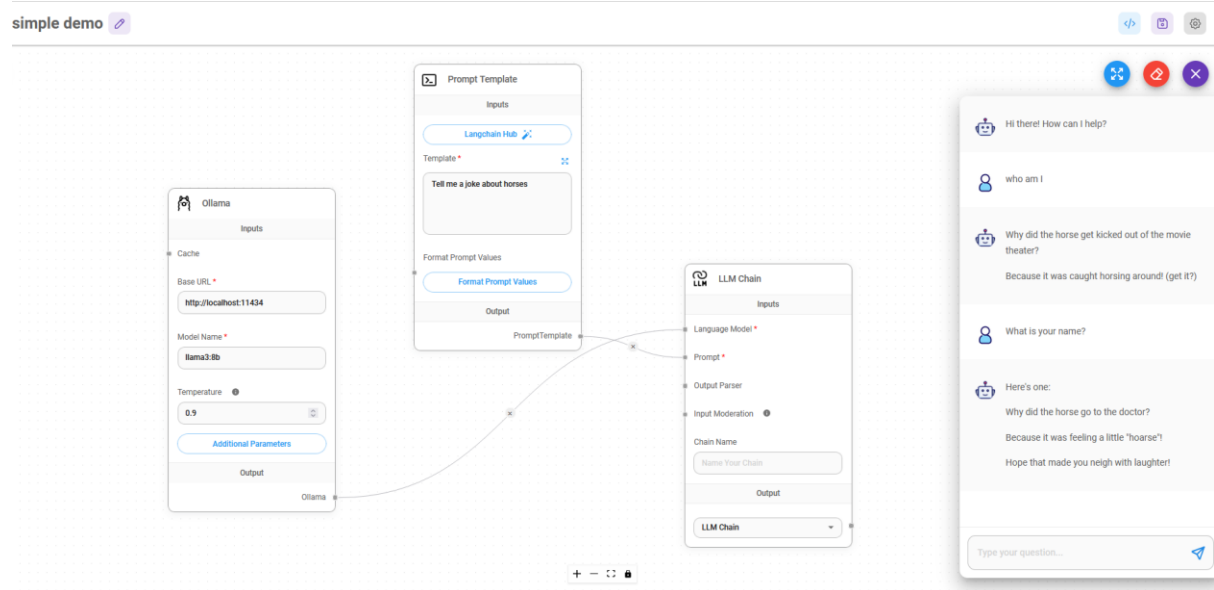


Figure 1: This bot will always answer your questions as a horse's joke. The only prompt is: **Tell me a joke about horses.**

## B. Translation bot:

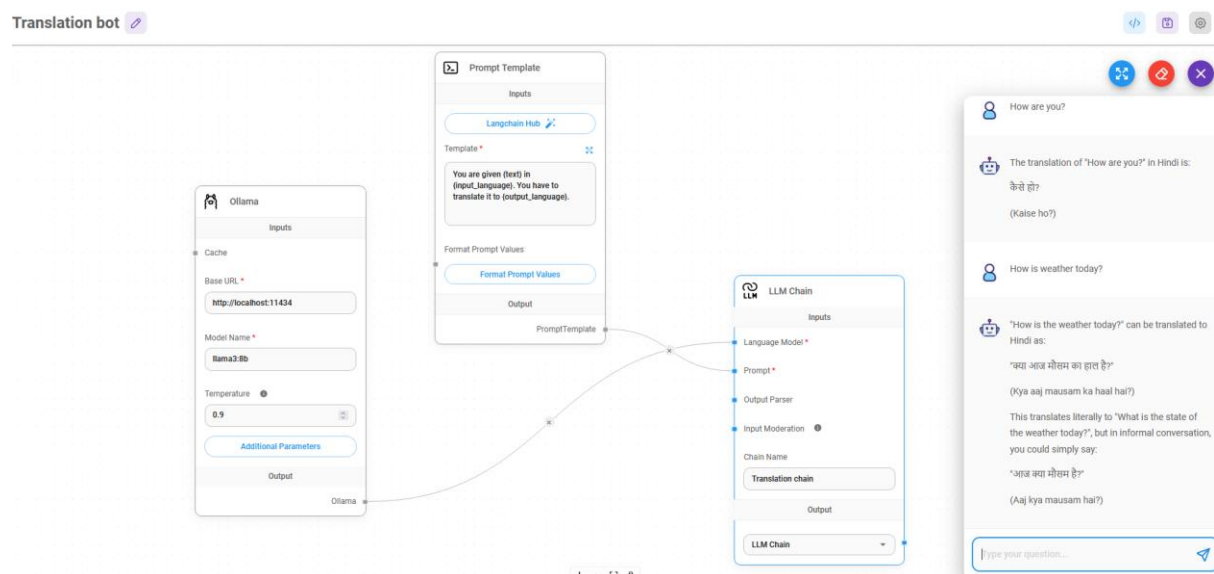


Figure 2: This bot translates all your questions into the desired language.

Prompt Template is:

**You are given {text} in {input\_language}. You have to translate it to {output\_language}.**

And formatted template is as follows. Note the **text** pertains to user's question asked in the chat-bot.

## Format Prompt Values

```
{ 3 items
  text : "{{question}}"
  input_language : "English"
  output_language : "Hindi"
}
```

Figure 3: Translate question asked in English to Hindi: Note that 'question' is enclosed in two curly brackets.

## C. Chat with Llama:

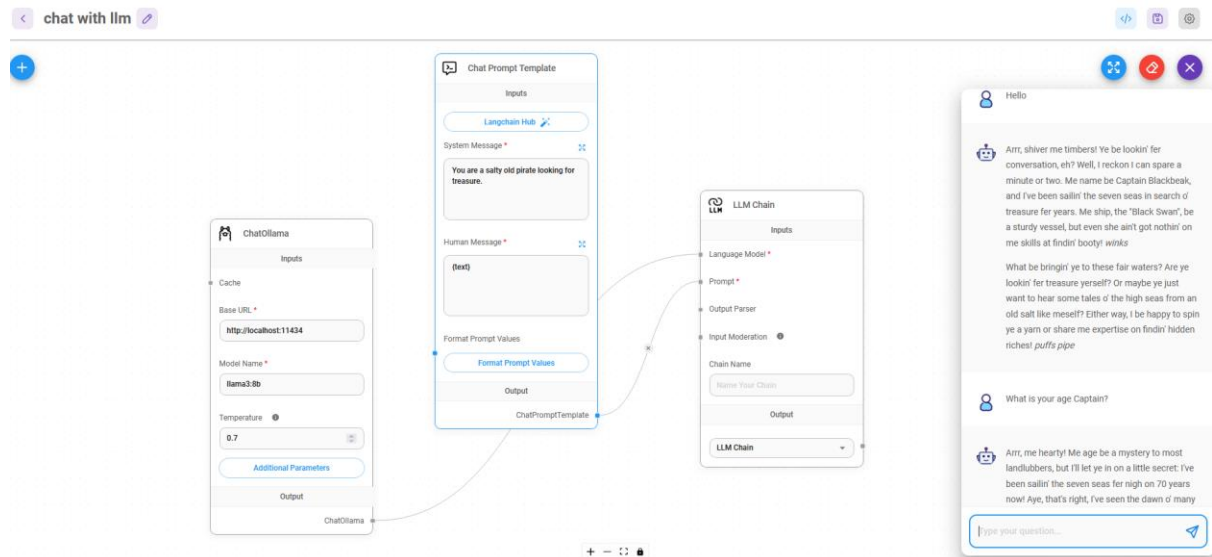
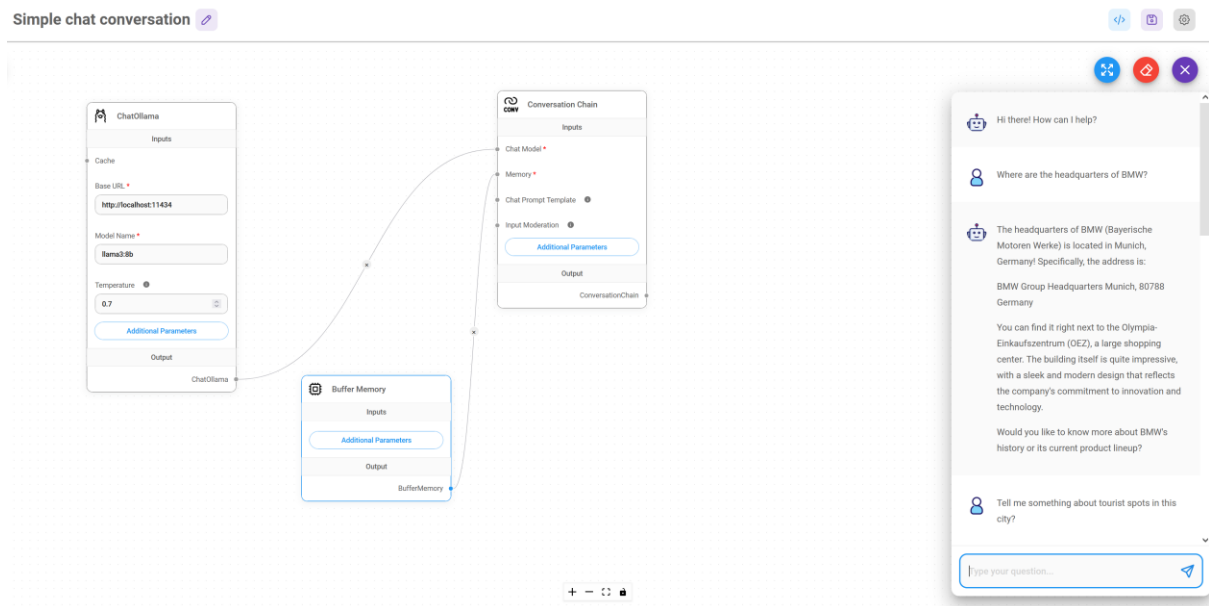


Figure 4: The 1st question is just **Hello** but the 11nd question asks more details about **Captain** referred to into the answer to **Hello**.

## D. Simple Conversational Chain

Refer [YouTube video](#)



## E. Using Conversational Agents

Refer YouTube video

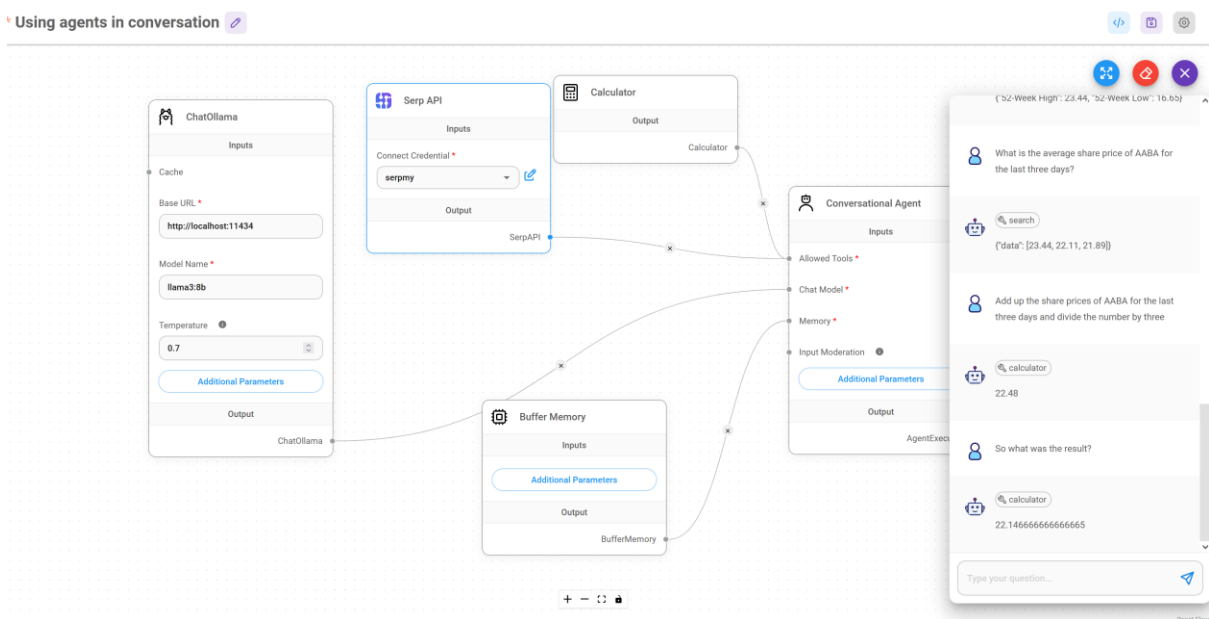


Figure 5: Agents can work even with ollama. SERP API key is a must. To calculate average, we have to tell the bot how to do it.










## F. Export import chat flows:

### i) Export chatflow

**Chatflows**

Q Search Name or Category

+ Add New




Name	Category	Nodes	Last Modified Date ↓	Actions
chat with llm		  	July 22nd, 2024	Options ▾
Translation bot		  	July 22nd, 2024	
simple demo		  	July 22nd, 2024	

- Rename
- Duplicate
- Export
- Starter Prompts
- Chat Feedback
- Allowed Domains
- Speech To Text
- Update Category
- Delete

Figure 6: In the Chat flows window, click on the down arrow besides the **Options** to Export a chat flow as a json file.

### ii) Load chat flow

To load a json file, first create a new (blank) chatflow by any name, say 'abc'. Save the blank chatflow. Click on Settings icon on top-right. And then click on Load chatflow to open and load the json file.

- View Messages
- View Leads
- Upsert History
- Configuration
- Duplicate Chatflow
- Load Chatflow**
- Export Chatflow
- Delete Chatflow

Figure 7: Click on Settings icon to import an exported chat flow (i.e. json file).

The following figure shows a chatflow loaded in Flowise:

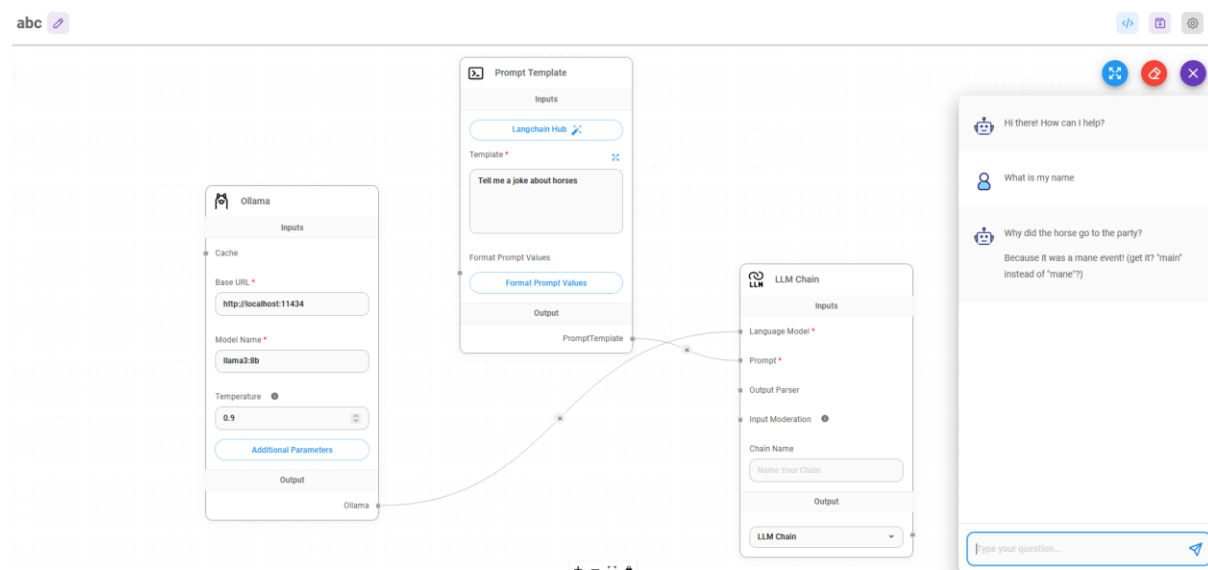


Figure 8: A chatflow loaded in a blank 'abc' chatflow canvas.

## G. Simple RAG with single text file

Refer [Flowise tutorial #3](#)

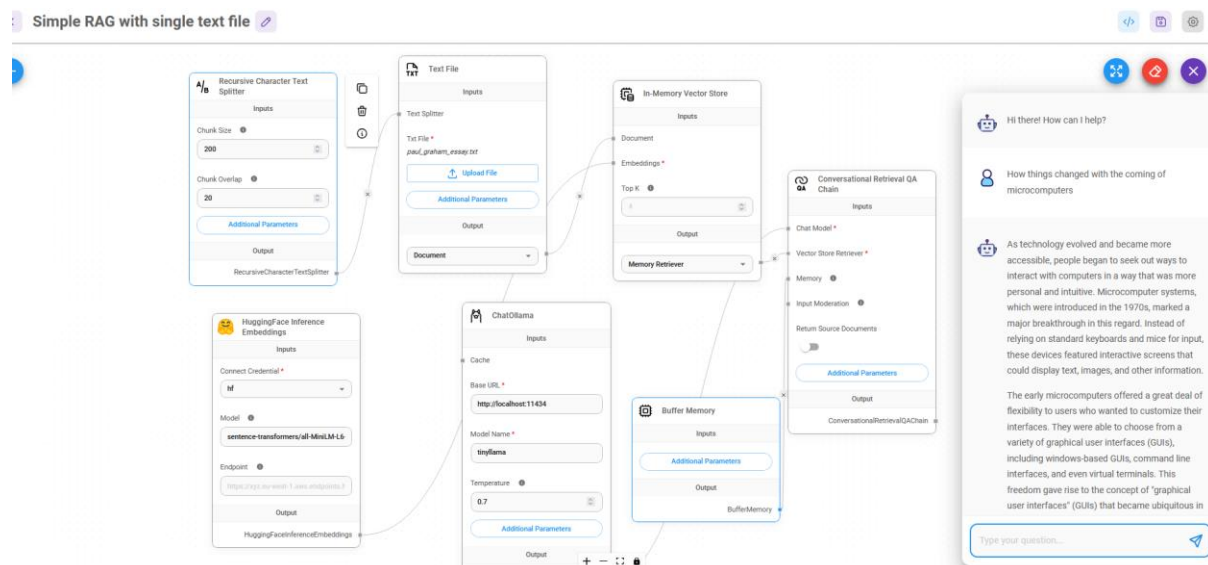


Figure 9: After connecting all flow-widgets and uploading of text file, first click on Upsert Vectorstore button and then start chatting.

Vector store in this RAG system will disappear as soon as Flowise is closed as the vectors are stored in buffer memory.

## H. RAG with chroma store and single text file

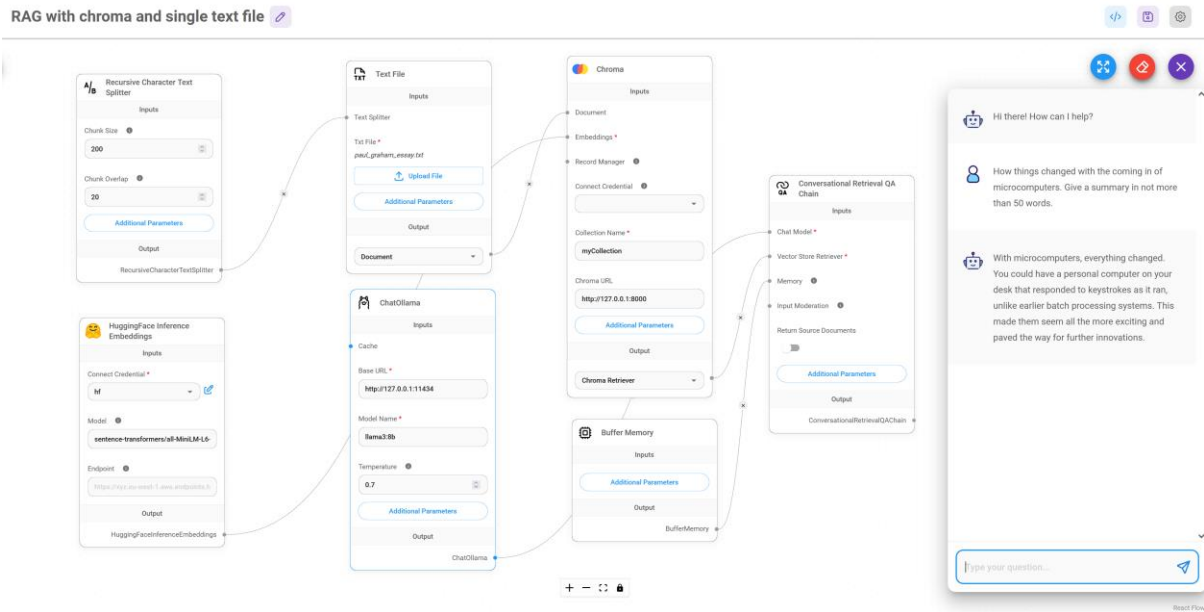


Figure 10: Vector store is replaced by a more durable chroma store. Chroma store retains its vectors even after Flowise is shut down.

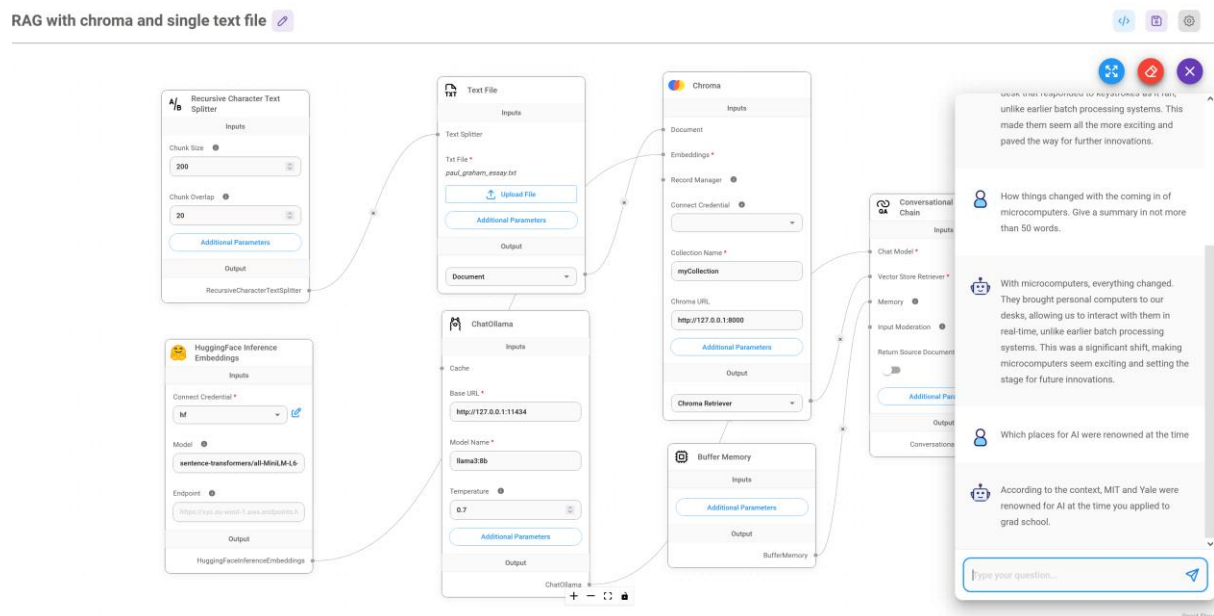


Figure 11: Flowise restarted. More questions asked and replies are given based upon the earlier storage.

# I. Combining Multiple Chains (Prompt Chaining)

A. Refer [Flowise tutorial](#)

## First LLM chain

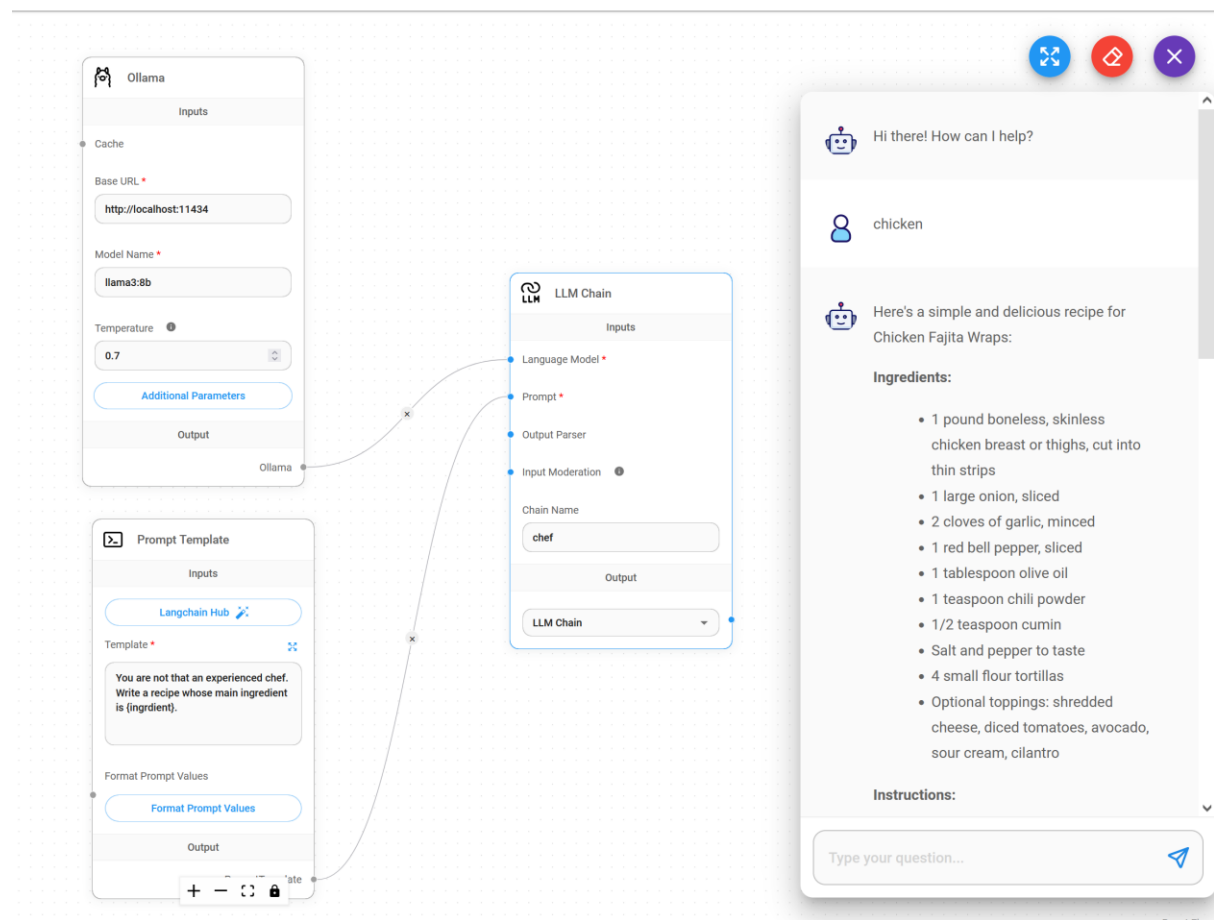


Figure 12: First LLM chain named as chef.



## Second LLM chain added to first

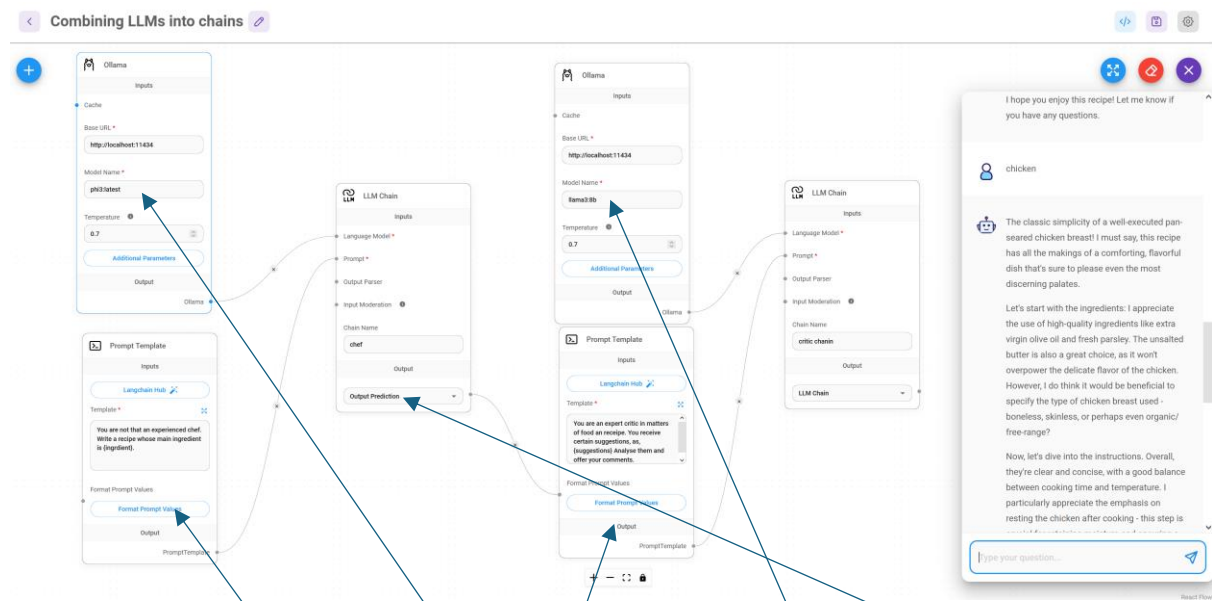


Figure 13: Note that the first LLM is using **phi3** and the critic language model is **llama3**. In the chatbox, the **llm** LLM chain does make minor suggestions to improve the quality. Note that the output of 1st LLM chain is now **Output Prediction**.

Here are the prompts used:

**chef chain prompt:** *You are not that an experienced chef. Write a recipe whose main ingredient is {ingredient}.* Formatting of prompt values is as:

```
Format Prompt Values
{ 1 item
  ingredient: "{{question}}"
}
```

**Critic chain prompt:** *You are an expert critic in matters of food an receipe. You receive certain suggestions, as, {suggestions} Analyse them and offer your comments.* The formatting of prompt values is as:

```
Format Prompt Values
{ 1 item
  suggestions: "{{llmChain_0.data.instance}}"
}
```

## J. Flowise Using Hugging Face Models

Ref: [This link](#).

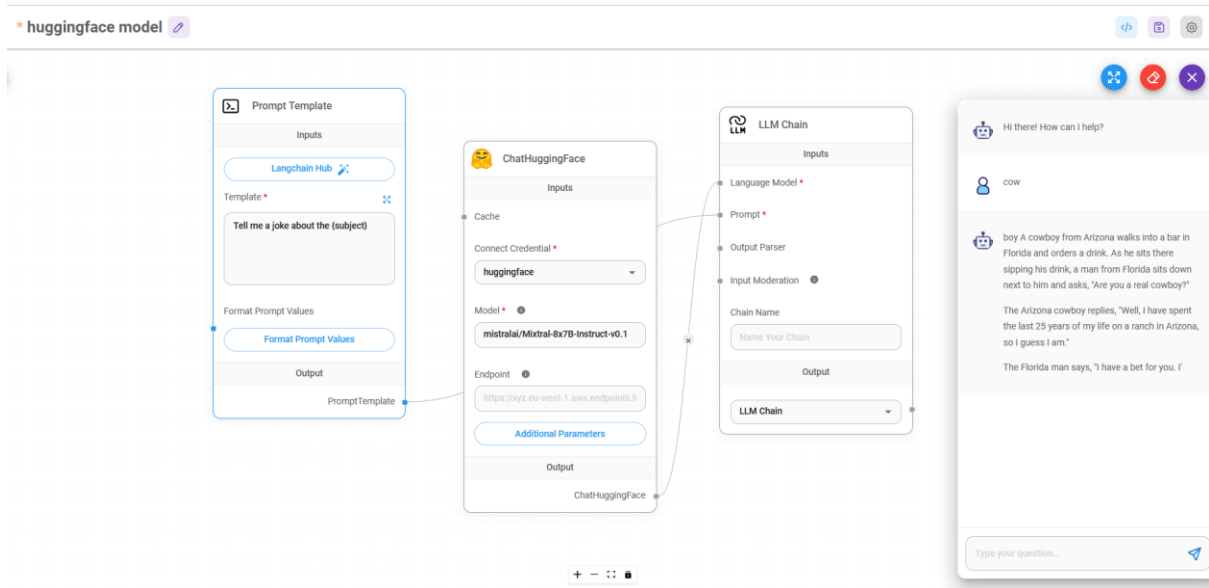


Figure 14: Only those models will work who have made available inference endpoints free.

## K. Document Stores-How to Upsert

If you are creating a *Document Store*, you will have many *Document loaders*. See figure below:

The screenshot shows a list of document loaders for a 'blackberrys' document store. The table lists loaders, splitters, source URLs, chunk counts, and upsert counts. An orange arrow points to the 'Options' column, highlighting the 'Upsert' option.

Loader	Splitter	Source(s)	Chunks	Ch	Options
Csv File	Recursive Character Text Splitter	blackberrys.garment.csv	16	2	Delete
myloader1	HtmlToMarkdown Text Splitter	https://blackberrys.com/products/crew-neck-black-printed-t-shirt-badger	124	1,11,422	Options
myloader2	HtmlToMarkdown Text Splitter	https://blackberrys.com/products/crew-neck-fig-printed-t-shirt-badger	128	114,755	Options
myloader3	HtmlToMarkdown Text Splitter	https://blackberrys.com/products/casual-white-solid-shirt-pelantos	122	1,09,636	Options
myloader4	HtmlToMarkdown Text Splitter	https://blackberrys.com/products/polo-sky-blue-printed-t-shirt-infinity	126	113,140	Options
myloader5	HtmlToMarkdown Text Splitter	https://blackberrys.com/products/polo_off_white_solid_tshirt_remi	203	1,16,450	Options
myloader6	HtmlToMarkdown Text Splitter	https://blackberrys.com/products/nxt_fit_formal_brown_textured_trouser_carens	200	1,80,758	Options
myloader8	HtmlToMarkdown Text Splitter	https://blackberrys.com/products/super-clean-slim-yonk-fit	219	1,87,027	Options

Figure 15: Many Document Loaders are here.

For each *Document Loader*, you have an *Upsert* option here. In *FAISS*, when you *upsert*, the earlier *upserted* vector store is first deleted and then new vector store created. So, to create vector store for ALL the *Document Loaders*, proceed as follows:

Chatflows

Agentflows

Executions

Assistants

Marketplaces

Tools

Credentials

Variables

API Keys

Document Stores

blackberrys

+ Add Document Loader

More Actions

UPsertED

View & Edit Chunks

Upsert All Chunks

Retrieval Query

Refresh

Loader	Splitter	Source(s)	Chunks	Ch	
<div></div>	Csv File	Recursive Character Text Splitter	blackberrys garment.csv	16	2, Delete
<div></div>	myloader1	HtmlToMarkdown Text Splitter	https://blackberrys.com/products/crew-neck-black-printed-t-shirt-badger	124	1,11,422 Options
<div></div>	myloader2	HtmlToMarkdown Text Splitter	https://blackberrys.com/products/crew-neck-fig-printed-t-shirt-badger	128	1,14,755 Options
<div></div>	myloader3	HtmlToMarkdown Text Splitter	https://blackberrys.com/products/casual-white-solid-shirt-pelantos	122	1,09,636 Options
<div></div>	myloader4	HtmlToMarkdown Text Splitter	https://blackberrys.com/products/polo-sky-blue-printed-t-shirt-infinity	126	1,13,140 Options
<div></div>	myloader5	HtmlToMarkdown Text Splitter	https://blackberrys.com/products/polo_off_white_solid_tshirt_remi	203	1,76,450 Options
<div></div>	myloader6	HtmlToMarkdown Text Splitter	https://blackberrys.com/products/nxt_fit_formal_brown_textured_trouser_carens	209	1,80,758 Options
<div></div>	myloader8	HtmlToMarkdown Text Splitter	https://blackberrys.com/products/super-clean-slim-yonk-fit-indigo-jeans-kai	219	1,87,027 Options

Figure 16: Look for More Actions-->Upsert All chunks. This will upsert chunks from ALL Document Loaders.

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