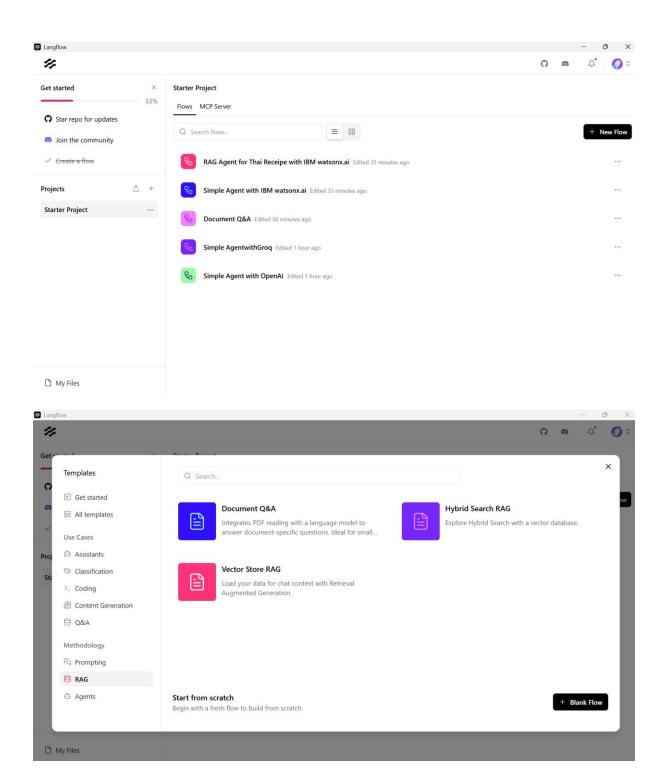
Handson2- Create RAG Agent using IBM watsonx.ai with IBM Granite model – granite-3-2-8b-instuct model

Step1 – Use template **Document Q&A** by clicking on

New Flow - RAG - Document Q&A



Step2- Download Thai recipe pdf from link https://drive.google.com/file/d/1lk8sAX-hoqdQAHOfuXpMJvem-R8PPz53/view?usp=sharing

Step3 – from left side, search and Add agent component named 'IBM watsonx.ai'

Step4- connect chat input to 'IBM watsonx.ai' and Chat out from 'IBM watsonx.ai'

Step5 – From IBM Cloud platform create the watsonx API Endpoint, watsonx projectID, API Key

Step6- In the langflow platform, Add watsonx API Endpoint, watsonx projectID, API Key and Model name **as ibm/ granite-3-2-8b-instuct** into the Agent component 'IBM watsonx.ai'

IBM watsonx.ai Agent for Langflow -

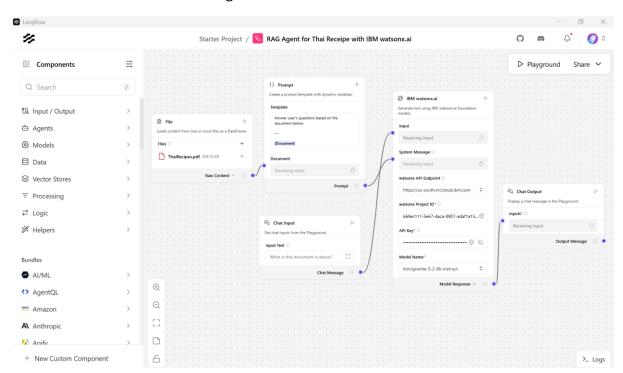
Watsonx End Point = https://us-south.ml.cloud.ibm.com

Watsonx Project ID= Your PorjectID

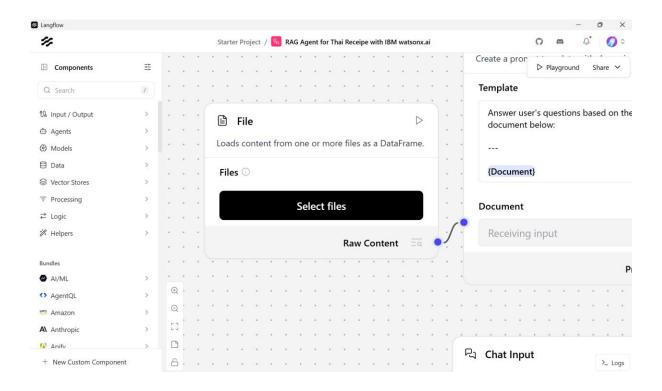
API Key= Your API Key

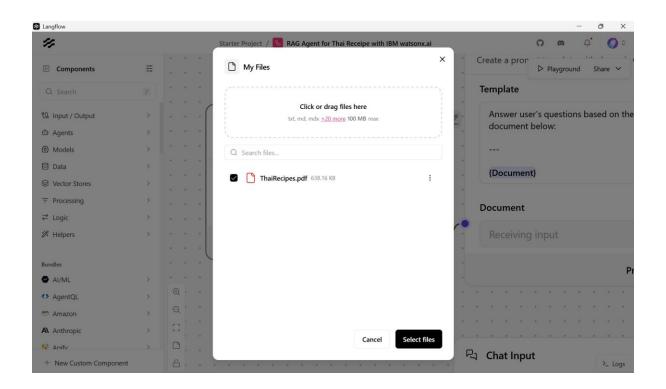
Modle Name- ibm/granite-3-2-8b-instruct

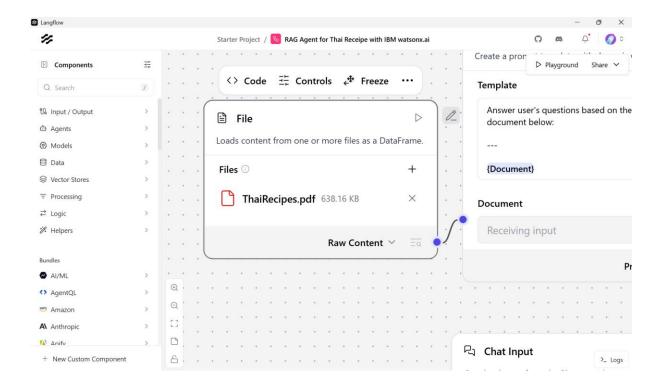
Create the flow as shown in diagram



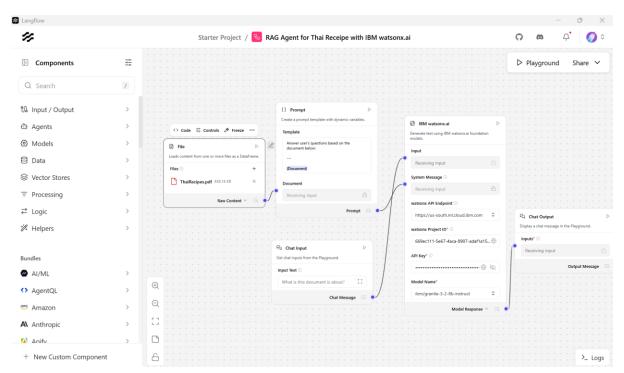
Step7 – In the File component, Click on Select Files and Upload your file. in this example upload ThaiRecipes.pdf which is downloaded in Step2







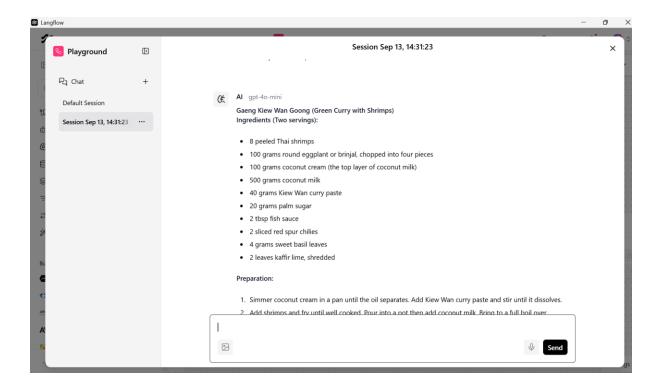
Now your flow will look like this



Step8 – Test your application

Click on Playground and write prompt

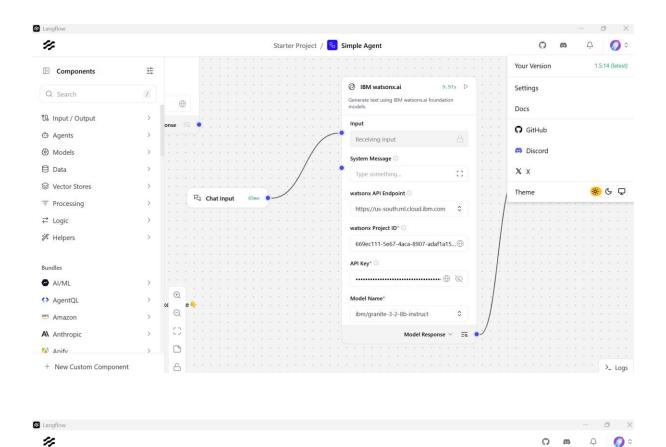
"Tell the thai receipe for Green Curry with Shrimps"



Congratulations you have created **RAG Agent using IBM watsonx.ai with IBM Granite** model – granite-3-2-8b-instuct model

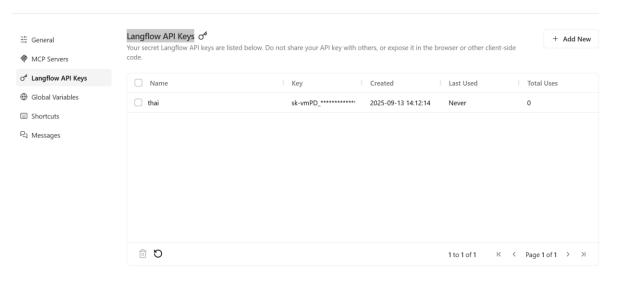
Step9- Deploy your model

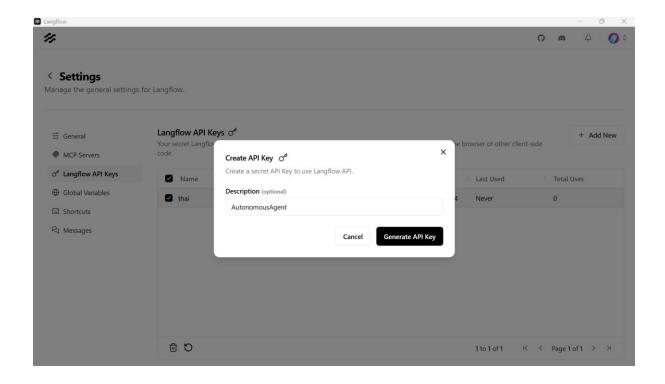
a) Create Langflow API Key - Click on Profile icon – Settings - Langflow API Keys -Add New – Give name "AutonoumousAgent" – Generate API Key – Save your Langflow API Key in Notepad file (we need it for deployment coding) - Done



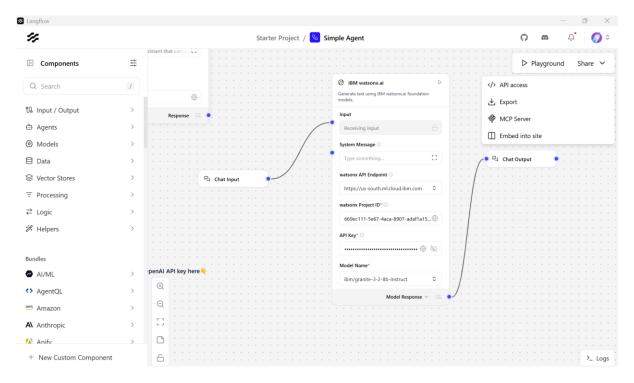
< Settings

Manage the general settings for Langflow.





b) Click on Share - API Access



It will show the code in different languages like Python , JavaScript , cURL.

For ex- Copy and run your the Python code as per your convivence

