

Project Development Phase

Delivery of Sprint - 4

Date	07 November 2022
Team ID	PNT2022TMID29414
Project Name	AI based discourse for Banking Industry

Creating Assistant & Integrate With Flask Web Page

Let us build our flask application which will be running in our local browser as an userinterface.

In the flask application, users will interact with the chat bot, and based on the user queriesthey will get the chatbotresponses.

Building Python Code

1: Importing Libraries

The first step is usually importing the libraries that will be needed in theprogram.

```
from flask import Flask, render_template
```

Importing the flask module into the project is mandatory. An object of theFlask class is ourWSGI application. Flask constructortakes the name of thecurrentmodule (name).

2: Creating our flask application and loading

```
app = Flask(__name__)
```

3: Routing to the Html Page

Here, the declared constructor is used to route to the HTML page createdearlier.

The '/' route is bound with the bot function. Hence, when the home page of a web server is opened in the browser, the HTML page will be rendered.

```
@app.route('/')  
def bot():  
    return render_template('chatbot.html')
```

Main Function

This is used to run the application in local host.

```
if __name__ == '__main__':  
    app.run()
```

Building HTML Code

We have used HTML to create the front-end part of the web page.

Here, we have created "index.html" displays the home page which gets integrated with WatsonAssistant.

Auto-generated source code which contains the Integration ID of IBM Watson Assistants is copied and pasted inside the body tag.

Run the application

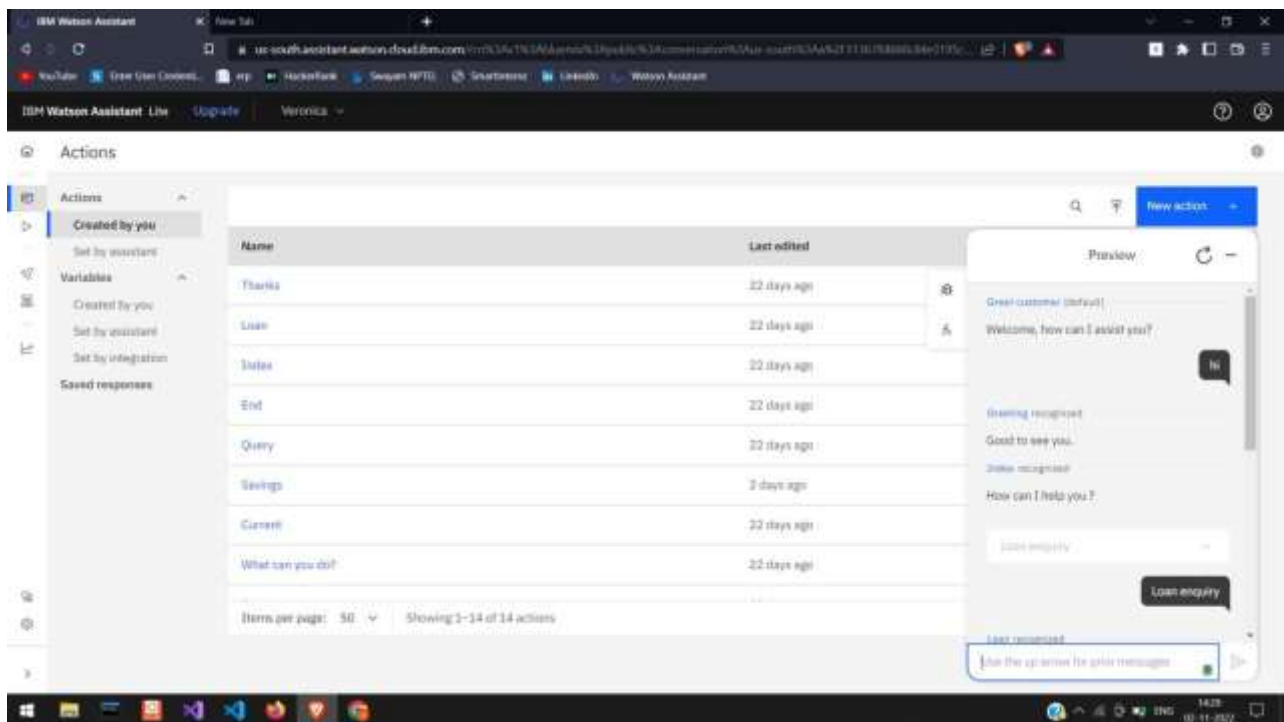
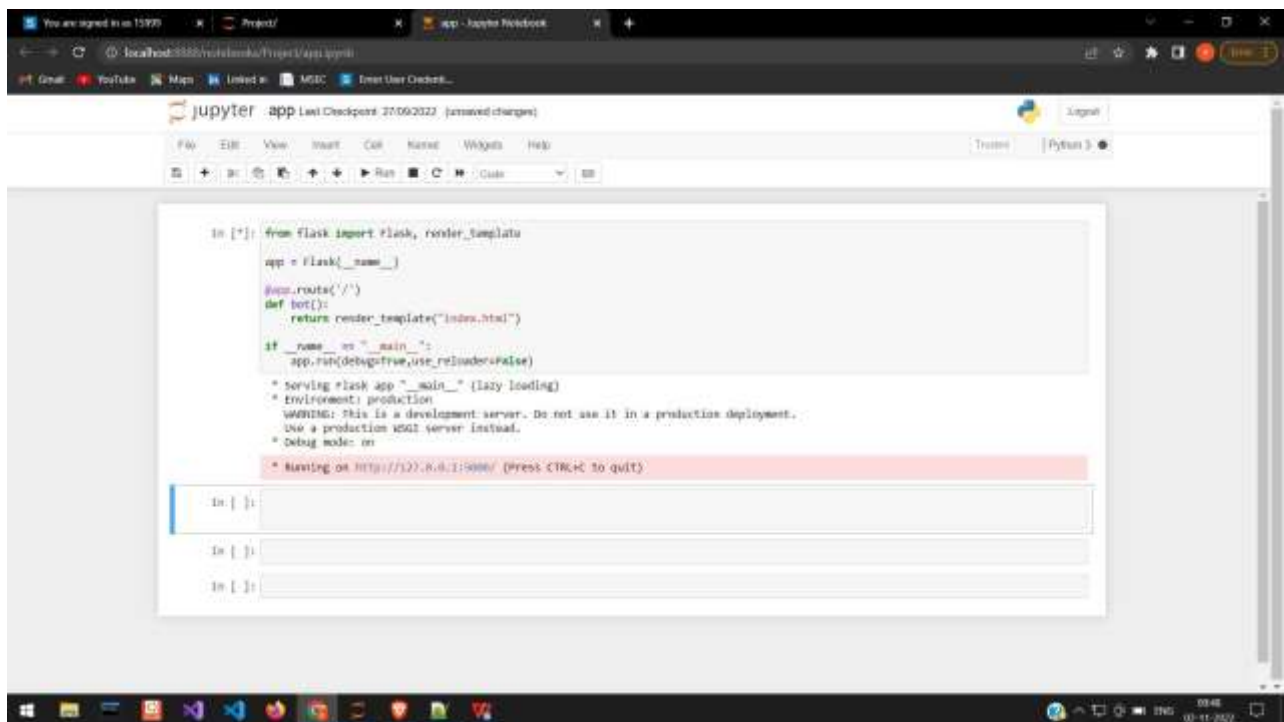
Open Jupyter notebook (anaconda3)

Navigate to the folder where app.ipynb resides.

Run the python code

Open a browser and type this URL <http://127.0.0.1:5000/>

It launches the application integrated with IBM Watson Assistant.



Name	Last edited	
Therika	22 days ago	 
Lean	22 days ago	
Index	22 days ago	
End	22 days ago	
Query	22 days ago	
Sevings	2 days ago	
Current	22 days ago	
What can you do?	22 days ago	

Items per page: 50 ▾ Showing 1–14 of 14 actions

Preview

Reset

Start chat

Chatbot: Hello customer (default)

User: Welcome, how can I assist you?

Chatbot: Greeting recognized

User: Good to see you.

Chatbot: Status recognized

User: How can I help you?

Chatbot: Loan enquiry

User: Loan enquiry

Chatbot: Loan enquiry

User: Loan requested

Chatbot: Loan requested

