Project Development Phase

Delivery of Sprint – 4

Date	08 – Nov – 2022
Team ID	PNT2022TMID49300
Project Name	AI Based Discourse for Banking Industry

Creating Assistant & Integrate Flask Web Page

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

In the flask application user will interact with chat bot, and based on the user Queries they get chatbot responses.

Building Python Code

1: Importing Libraries

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

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

Importing the flask module into the project is mandatory. An object of the class is our WSGI

Application. Flask constructor takes the name of the current module (name).

2: Creating our flask application and loading

```
app = Flask(_name_)
```

3: Routing to the Html Page

Here, the declared constructor is used to the HTML page created earlier.

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

```
@app.router('/Chatbot',methods = ['GET','POST'])
```

```
def Chatbot():
    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 page.

Here, we have created "index.html" display the home page which gets integrated Watson Assistant.

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

Run the application

1.Open Vs Code

2.Navigate to the folder where app.py resides.

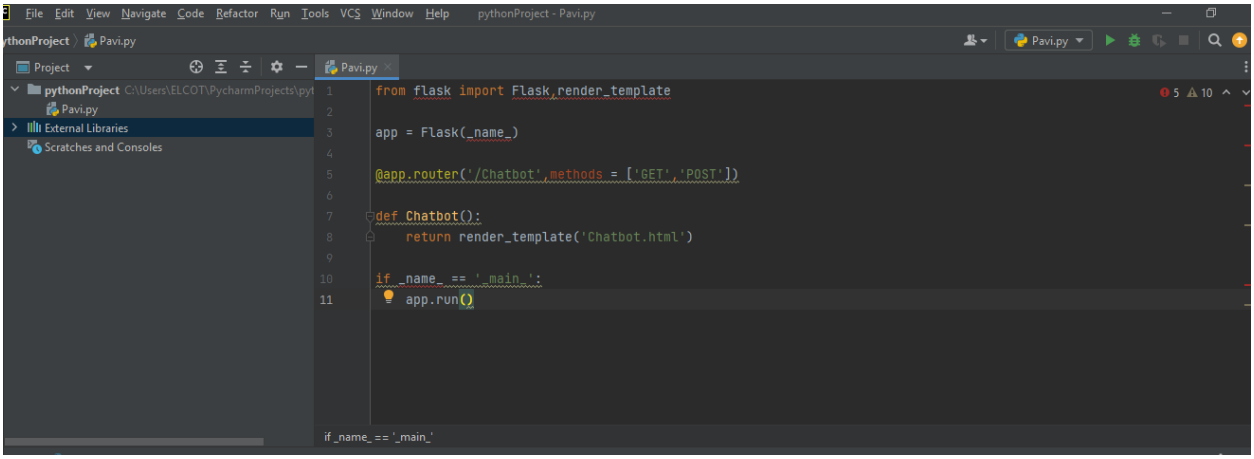
3.Run the python code.

4. Open a browser and type this URL: http://127.0.0.1.5000/

5.It launches the application integrated with IBM Watson Assistant.

Preview link

https://web-chat.global.assistant.watson.appdomain.cloud/preview.html?backgroundImageURL=https%3A%2F%2Fus-south.assistant.watson.cloud.ibm.com%2Fpublic%2Fimages%2Fupx-081c7e04-dd58-46e7-805d-4c57c0c2fbcc%3A%3A5bd54dc3-7831-4e05-a122-5271b5d06158&integrationID=01119ac8-0915-4935-ba16-a0af312067c6&region=us-south&serviceInstanceID=081c7e04-dd58-46e7-805d-4c57c0c2fbcc



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```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta http-equiv="X-UA-Compatible" content="IE=edge">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>BOT SITE BANKING</title>
   <link rel="stylesheet" href="styles.css">

      <link rel="stylesheet"
      href="https://unpkg.com/boxicons@latest/css/boxicons.min.css">


   <link rel="preconnect" href="https://fonts.googleapis.com">
<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
<link href="https://fonts.googleapis.com/css2?family=Poppins:wght@100;200;300;400;500;600;700;800;900&display=swap" rel="stylesheet">

</head>
<body>

<script>
 window.watsonAssistantChatOptions = {
   integrationID: "fc789460-2e93-472d-b324-c85bef5219f5", // The ID of this integration.
   region: "us-south", // The region your integration is hosted in.
   serviceInstanceID: "35339789-38d5-451f-8f05-3ddb5dbbe57e", // The ID of your service instance.
   onLoad: function(instance) { instance.render(); }
 };
 setTimeout(function(){
   const t=document.createElement('script');
   t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" + (window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";
   document.head.appendChild(t);
 });
</script>
```