Project Development Phase
Delivery of Sprint – 4

Date	**09 – Nov - 2022**
Team ID	**PNT2022TMID42533**
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 user interface.

In the flask application, users will interact with the chat bot, and based on the user queries they will get the 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 Flask 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 route to the HTML page created earlier.

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('/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()
```

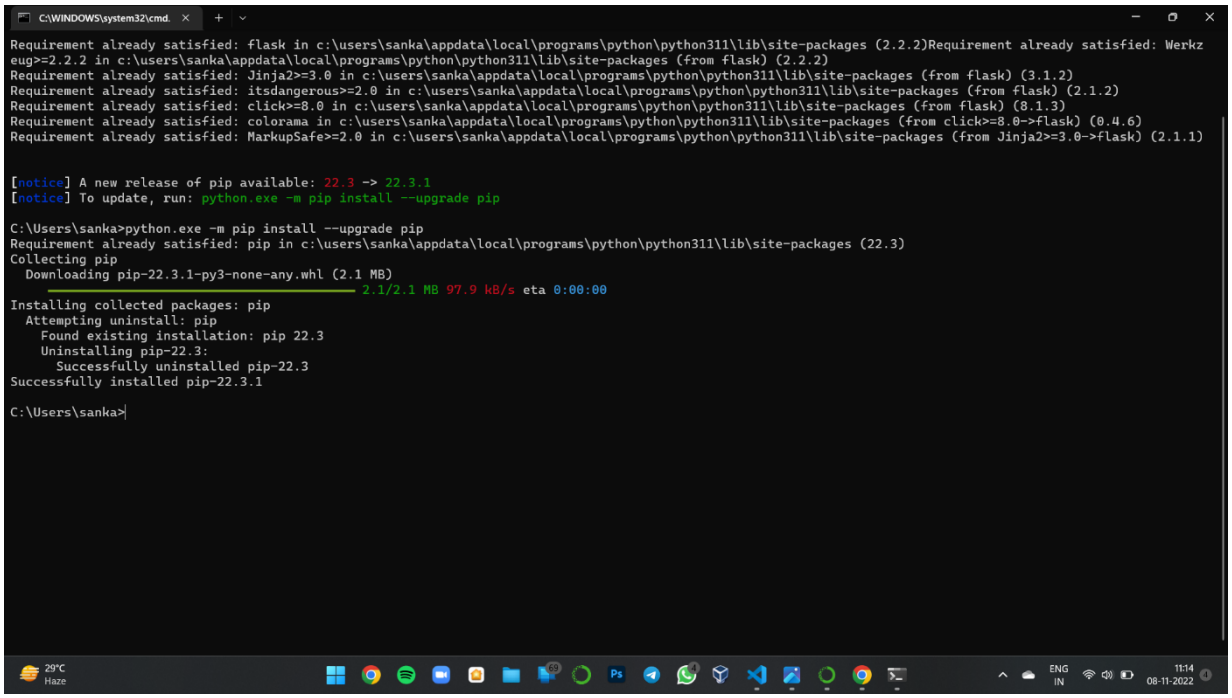
Building HTML Code

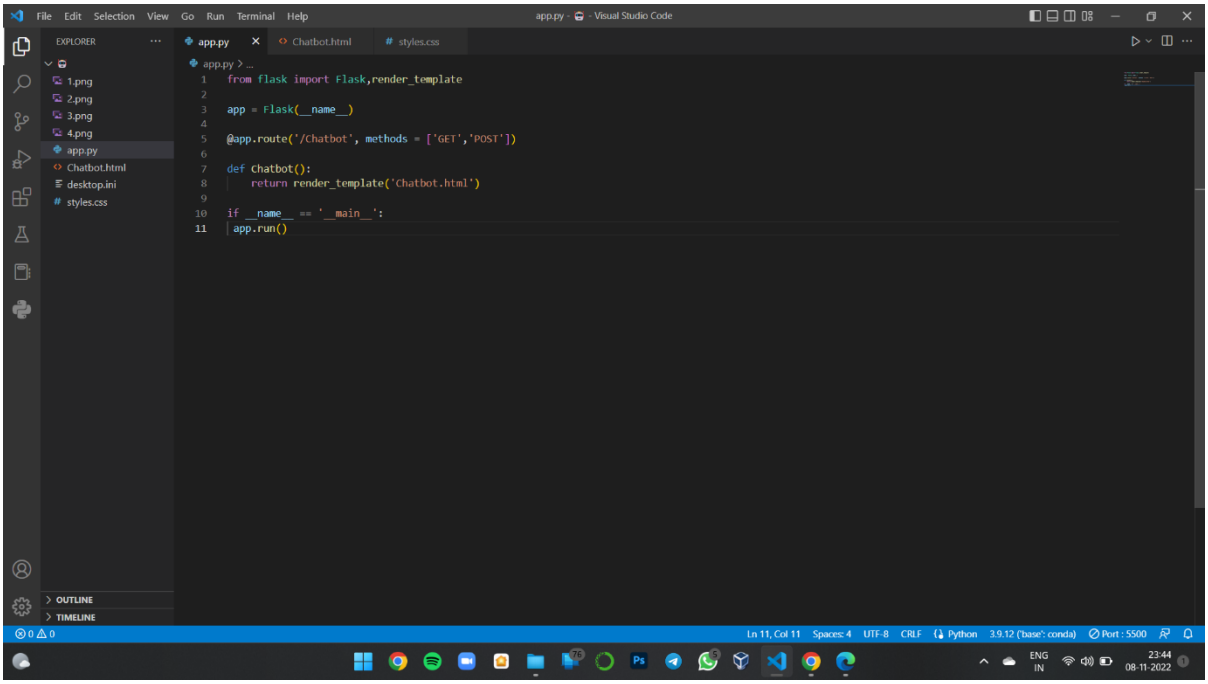
We have used HTML to create the front-end part of the web page.
Here, we have created“index.html” displays the home page which gets integrated with Watson Assistant.

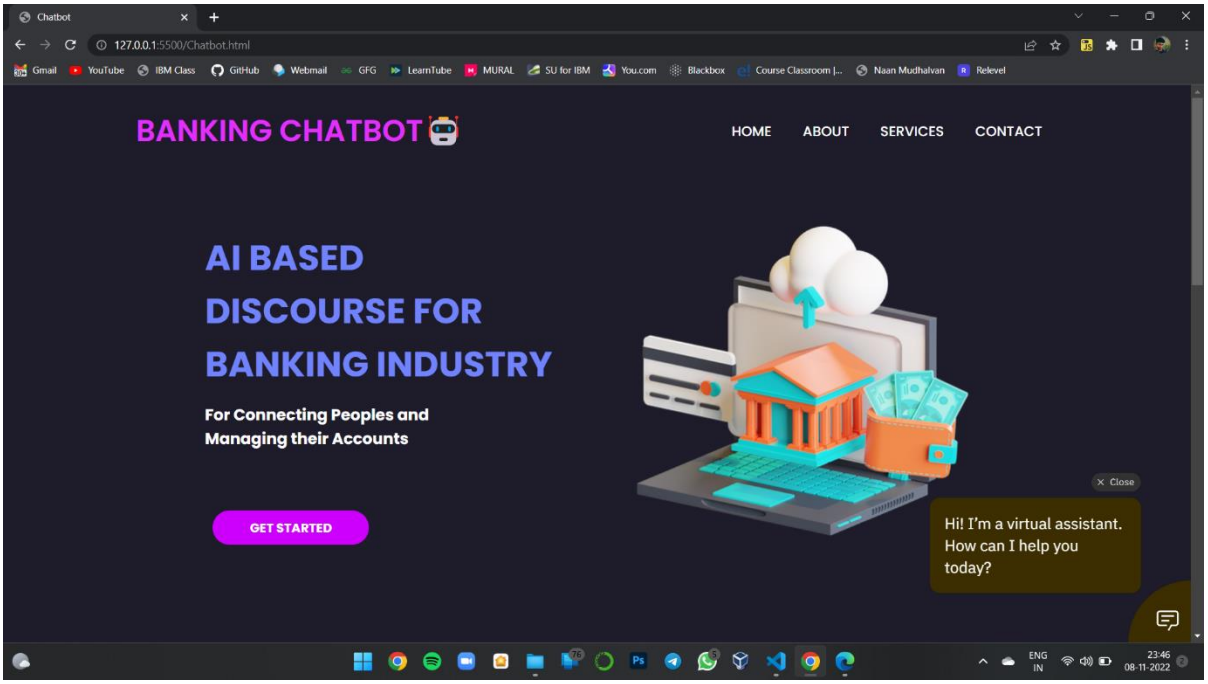
Auto-generated source code which contains the Integration ID of IBM Watson Assistants is copied and pasted inside the body tag.

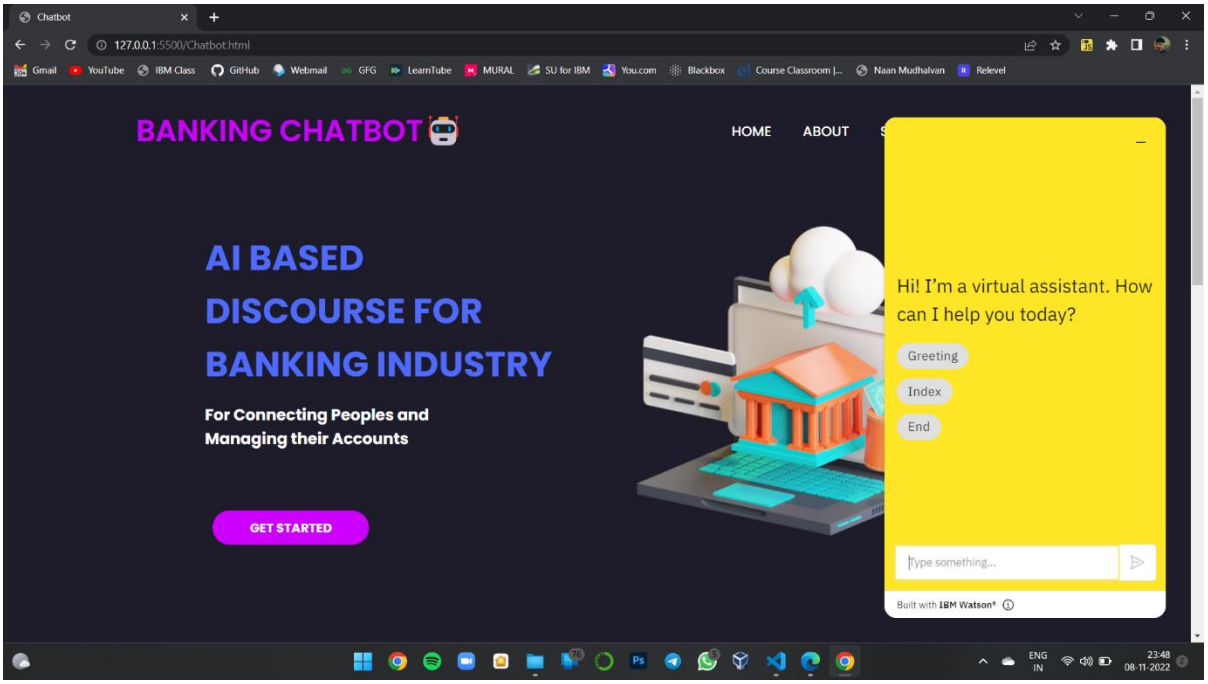
Run the application

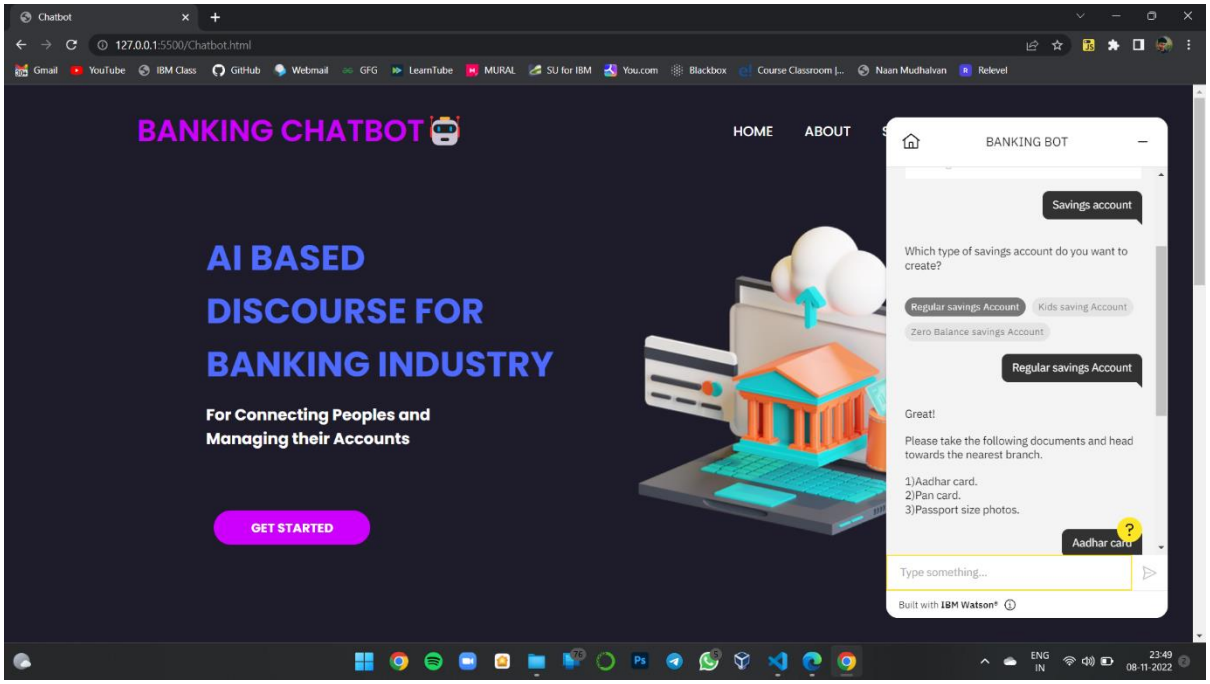
1.Open Vs Code
2.Navigate to the folder where app.py resides.
3.Run the python code
4.Open a browser and type this URL http://127.0.0.1:5500/.
5.Click Chatbot.html and then it shows http://127.0.0.1:5500/Chatbot.html
6.It launches the application integrated with IBM Watson Assistant.


C:\WINDOWS\system32\cmd.
Requirement already satisfied: flask in c:\users\sanka\appdata\local\programs\python\python311\lib\site-packages (2.2.2)Requirement already satisfied: Werkz
eug>=2.2.2 in c:\users\sanka\appdata\local\programs\python\python311\lib\site-packages (from flask) (2.2.2)
Requirement already satisfied: Jinja2>=3.0 in c:\users\sanka\appdata\local\programs\python\python311\lib\site-packages (from flask) (3.1.2)
Requirement already satisfied: itsdangerous>=2.0 in c:\users\sanka\appdata\local\programs\python\python311\lib\site-packages (from flask) (2.1.2)
Requirement already satisfied: click>=8.0 in c:\users\sanka\appdata\local\programs\python\python311\lib\site-packages (from flask) (8.1.3)
Requirement already satisfied: colorama in c:\users\sanka\appdata\local\programs\python\python311\lib\site-packages (from click>=8.0->flask) (0.4.6)
Requirement already satisfied: MarkupSafe>=2.0 in c:\users\sanka\appdata\local\programs\python\python311\lib\site-packages (from Jinja2>=3.0->flask) (2.1.1)
[notice] A new release of pip available: 22.3 -> 22.3.1
[notice] To update, run: python.exe -m pip install --upgrade pip
C:\Users\sanka>python.exe -m pip install --upgrade pip
Requirement already satisfied: pip in c:\users\sanka\appdata\local\programs\python\python311\lib\site-packages (22.3)
Collecting pip
Downloading pip-22.3.1-py3-none-any.whl (2.1 MB)
2.1/2.1 MB 97.9 kB/s eta 0:00:00
Installing collected packages: pip
Attempting uninstall: pip
Found existing installation: pip 22.3
Uninstalling pip-22.3:
Successfully uninstalled pip-22.3
Successfully installed pip-22.3.1
C:\Users\sanka>
29°C
Haze
ENG
IN
11:14
08-11-2022

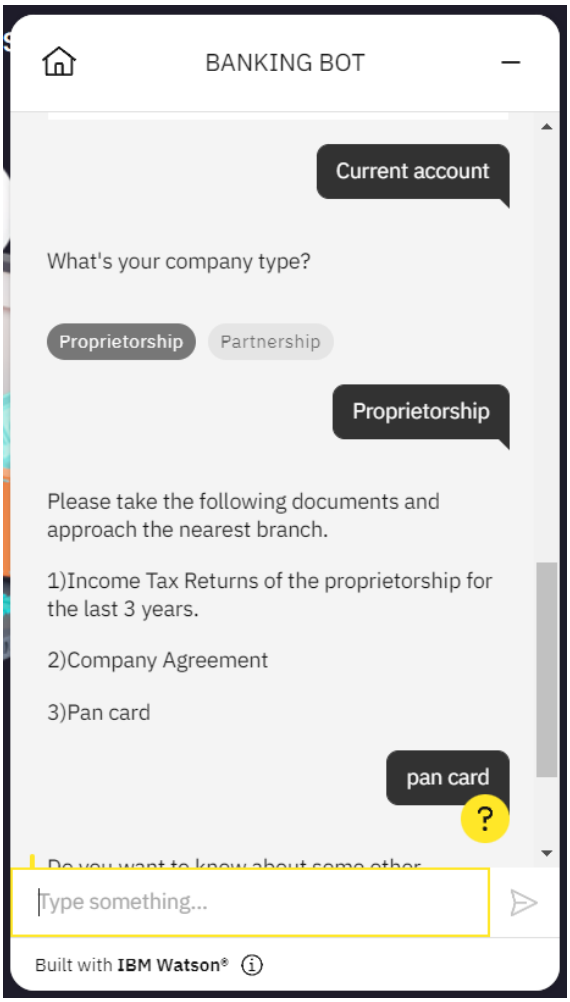

File Edit Selection View Go Run Terminal Help
app.py - Visual Studio Code
EXPLORER
app.py
Chatbot.html
styles.css
1.png
2.png
3.png
4.png
app.py
Chatbot.html
desktop.ini
styles.css
from flask import Flask,render_template
app = Flask(__name__)
@app.route('/Chatbot', methods = ['GET','POST'])
def Chatbot():
return render_template('Chatbot.html')
if __name__ == '__main__':
app.run()
OUTLINE
TIMELINE
Ln 11, Col 11 Spaces: 4 UTF-8 CRLF Python 3.9.12 ('base': conda) Port : 5500
ENG
IN
23:44
08-11-2022


Chatbot
127.0.0.1:5500/Chatbot.html
BANKING CHATBOT
HOME
ABOUT
SERVICES
CONTACT
AI BASED
DISCOURSE FOR
BANKING INDUSTRY
For Connecting Peoples and
Managing their Accounts
GET STARTED
Close
Hi! I'm a virtual assistant.
How can I help you
today?


Chatbot
127.0.0.1:5500/Chatbot.html
BANKING CHATBOT
HOME
ABOUT
AI BASED
DISCOURSE FOR
BANKING INDUSTRY
For Connecting Peoples and
Managing their Accounts
GET STARTED
Hi! I'm a virtual assistant. How can I help you today?
Greeting
Index
End
Type something...
Built with IBM Watson®



Preview of Chatbot



https://web-chat.global.assistant.watson.appdomain.cloud/preview.html?backgroundImageURL=https%3A%2F%2Fus-south.assistant.watson.cloud.ibm.com%2Fpublic%2Fimages%2Fupx-35339789-38d5-451f-8f05-3ddb5dbbe57e%3A%3A49d7f8d1-0500-4610-9518-068ec885f252&integrationID=fc789460-2e93-472d-b324-c85bef5219f5&region=us-south&serviceInstanceID=35339789-38d5-451f-8f05-3ddb5dbbe57e

Source code is attached in Final Deliverables.

Note: No code for this project. So, I attached the screenshot and step to build it.