Project Development Phase
Delivery of Sprint- 4

Date	04 November 2022
TeamID	PNT2022TMID16498
ProjectName	AI-based discourse for Banking Industry

Creating Assistant & Integrate with Flask Web Page

You will be creating a banking bot in this activity that has the following capabilities

1) The Bot should be able to guide a customer to create a bank account.
2) The Bot should be able to answer loan queries.
3) The Bot should be able to answer general banking queries.
4) The Bot should be able to answer queries regarding net banking.
5) With the help of this bot ,you can get all the required details related to banking.

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

In the flask application ,users will interact with the chatbot, and based on the user queries they will get the outcomes.

This process includes the following steps:
1) Building python code
2) Building html code
3) Running the application

Build Python Code

1. Importing Libraries

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

```python
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

```python
app=Flask(__name__,template_folder='template')
```

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.
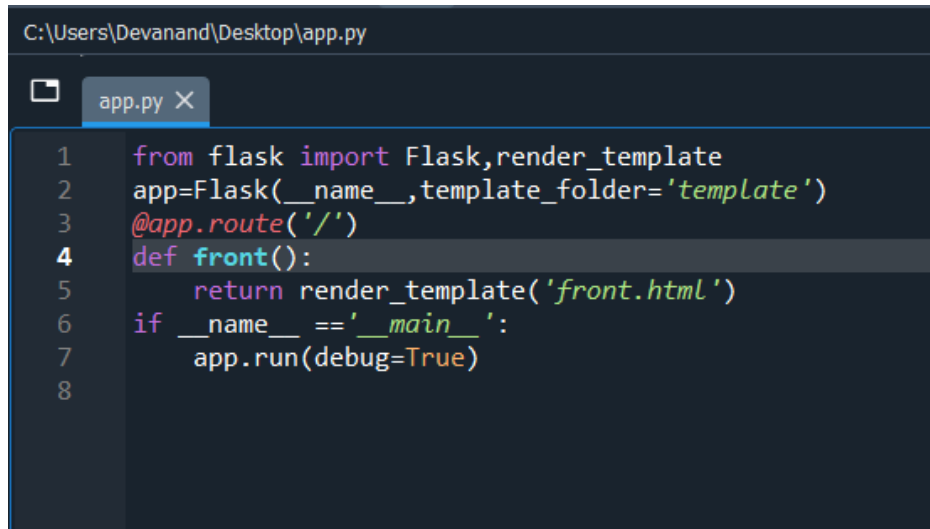
```python
@app.route('/')
def front():
 return render_template('front.html')
```

Main Function

This is used to run the application in localhost. The debug=True property will display what kind of error we are facing while running

the application. If there are no errors ,flask will run the html file successfully.

The Full Python code looks like:

```
C:\Users\Devanand\Desktop\app.py

app.py ✕

1    from flask import Flask,render_template
2    app=Flask(__name__,template_folder='template')
3    @app.route('/')
4    def front():
5        return render_template('front.html')
6    if __name__ =='__main__':
7        app.run(debug=True)
8
```

Build HTML Code

- We use HTML to create the front-end part of the webpage.
- Here, we have created 1 HTMLpage-front.html
- front.html displays the home page which integrates with Watson Assistant.
- A simple HTML page is created. Auto-generated source code from IBM Watson Assistants is copied and pasted inside the body tag.
- The links, paths and the folder names are correctly assigned as per the default names which python flask will be able to recognize.

Run the application

- Open the anaconda prompt from the start menu.
- Navigate to the folder where your app.py resides.
- Now type the "python app.py" command.
- It will show the localhost where your app is running on http://127.0.0.1.5000/
- Copy that localhost URL and open that URL in the browser. It does navigate me to where you can view your webpage.

Then it will run on localhost:5000
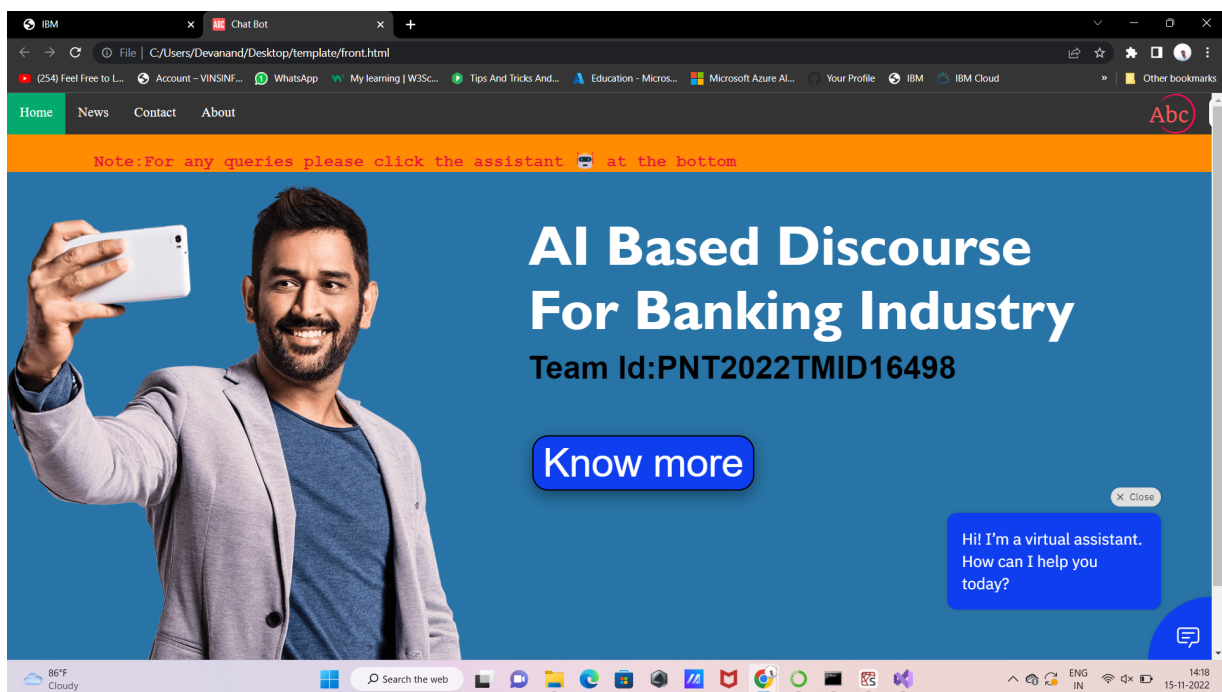
Final Output:

File | C:/Users/Devanand/Desktop/template/front.html

Getting Started   Imported From Fire...   Imported From Fire...   ASUS Software Port...   MyASUS Software -...   McAfee LiveSafe

Home   News   Contact   About

Ab

ny queries please click the assistant 🤖 at the bottom

AI Based Disc
For Banking I

Team Id:PNT2022TMID1

Know more

Bank Assistant —

general query

Select the general query listed below

Select an option

Bank Working Days

List of branches

Storage locker facility

CIBIL

Currency conversion facility

Find a nearest branch

Type something...

Built with IBM Watson®

Search the web

ENG
IN

13:45
15-11-2022

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ote:For any queries please click the assistant 🤖 at the bottom

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Know more

Bank Assistant —

CIBIL

CIBIL

What is a CIBIL Score and what factors affect my CIBIL Score?

CIBIL Score is a 3 digit numeric summary of your credit history, derived by using details found in the 'Accounts' and 'Enquiries' sections on your CIBIL Report and ranges from 300 to 900. The closer your score is to 900, the higher are the chances of your loan application getting approved.

Why is CIBIL score important ?

CIBIL Score is required when it comes to loan and credit card applications. Having a high CIBIL score (closer to 900) implies that you have good financial history and lenders express high confidence in extending credit to such individuals. Your borrowing limit and interest can all depend on your CIBIL Score.

How can I improve my CIBIL Score?

Type something...

Built with IBM Watson®

Search the web

ENG
IN

13:45
15-11-2022
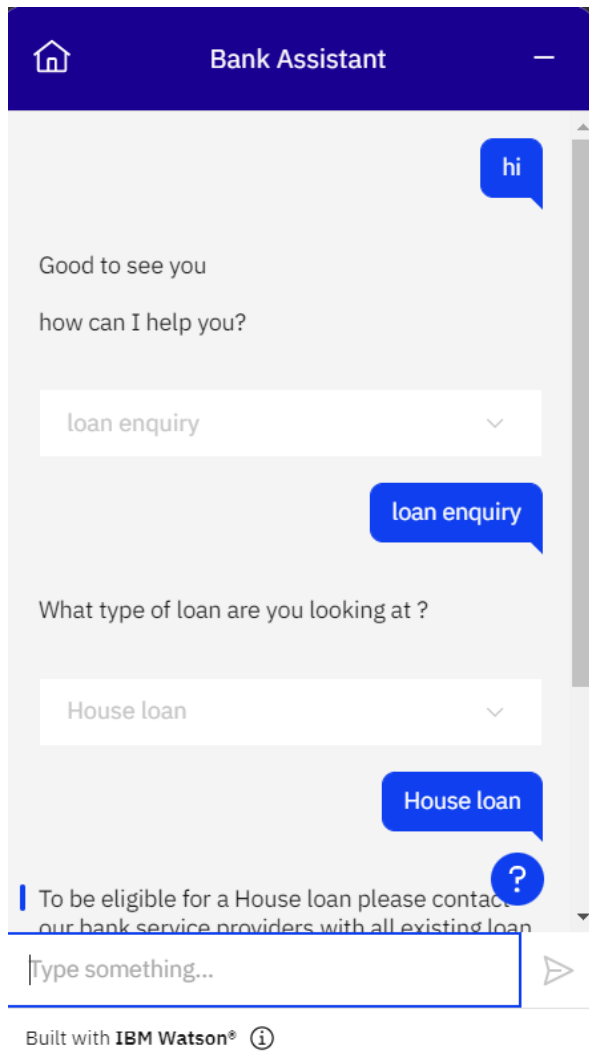
Source code will be attached in Final Deliverables.

NOTE: SINCE NO CODES WERE USED IN CREATING ASSISTANT AND INTEGRATE WITH FLASK WEB PAGE