

Project Documentation:

Readme:

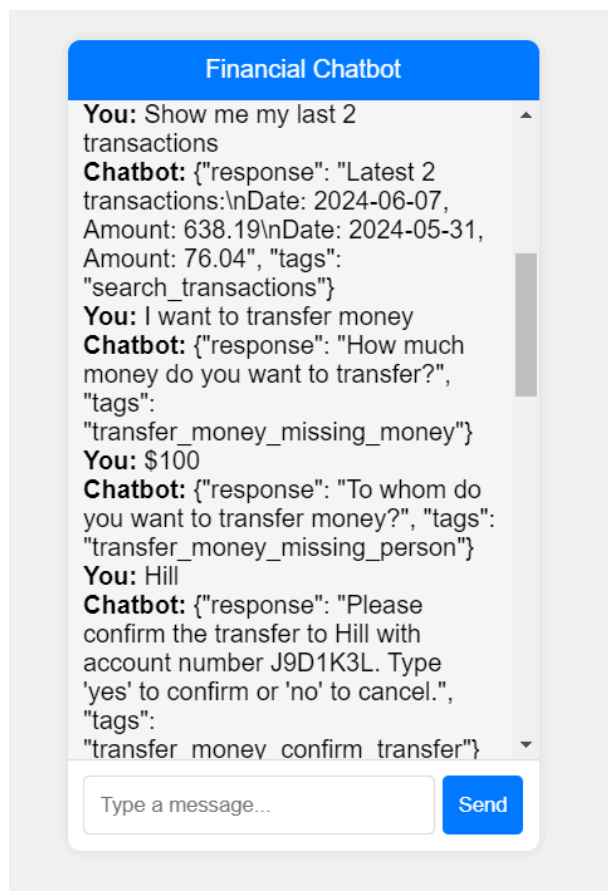
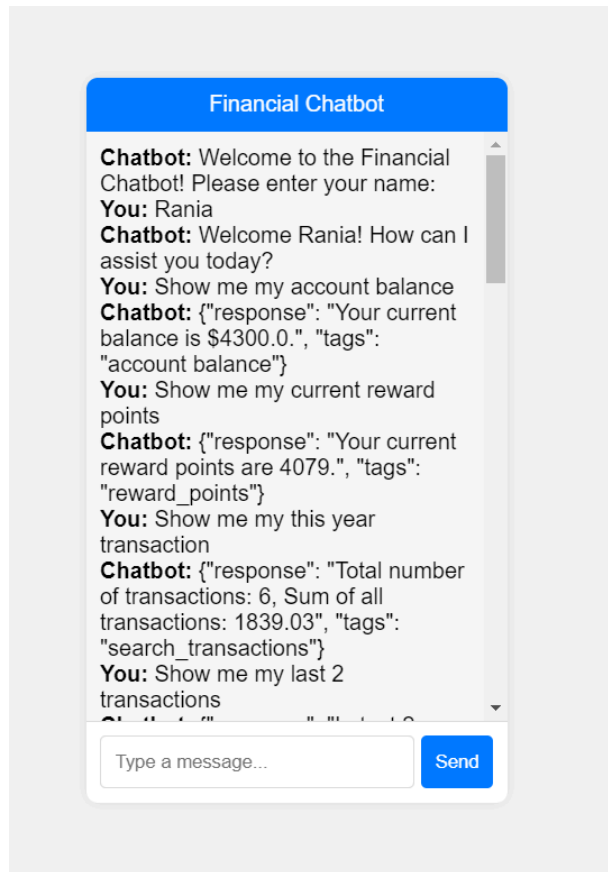
Instructions for running the chatbot:

- Go on the app.py file. On the terminal just type 'python app.py' and you should be able to see a chatbot on your screen.
- Before running the app.py file, make sure you have the necessary libraries installed. You should have a python version 3.11.9. Moreover, make sure you download the following libraries:
 - en-core-web-sm
 - Flask
 - numpy
 - pandas
 - tokenizers
 - transformers
 - torch
 - spacy
 - regex
 - requests
 - scikit-learn
 - scipy
- Make sure you install all of these libraries using the '**pip install**' command.
- Once you have all the libraries installed, also install docker.
- Once docker has been installed, you also have to make sure you replace the path of the model with the path that you have downloaded on your own laptop. Also do the same with the intents and examples csv file.
- Do these changes on **line 31 and 39** of the app.py file.
- Once docker and all the necessary libraries have been installed, just simply run the app.py file.

Functionalities of Chatbot:

- **Account Balance**
- **Checking Current reward points**
- **Branch-Locations**
- **Transfer Money**
- **Transactions**

How the chatbot will look like and work like when you run it.



You: yes

Chatbot: {"response": "Please enter the OTP code sent to your registered mobile number.", "tags": "transfer_money_verify_otp"}

You: UF427T

Chatbot: {"response": "Successfully transferred \$100.0 to Hill.", "tags": "transfer_money_completed"}

You: Show me branch locations that are open on monday

Chatbot: {"response": "Branches open on Monday are:\nName: Bank Al Habib, Address: 123 Main St, Cityville\nName: HBL, Address: 456 Elm St, Cityville\nName: Bank Alfalah, Address: 789 Oak St, Cityville\nName: NBP, Address: 101 Maple St, Cityville\nName: UBL, Address: 202 Pine St, Cityville\nName: MCB, Address: 303 Cedar St, Cityville\nName: Allied Bank, Address: 404 Birch St.

Type a message...

Send

Financial Chatbot

St, Cityville\nName: Silk Bank, Address: 909 Sequoia St, Cityville\nName: Summit Bank, Address: 1010 Cypress St, Cityville\nName: Habib Metro, Address: 1111 Fir St, Cityville\nName: Soneri Bank, Address: 1212 Hemlock St, Cityville\nName: JS Bank, Address: 1313 Juniper St, Cityville\nName: Al Baraka Bank, Address: 1414 Poplar St, Cityville\nName: DIB, Address: 1515 Alder St, Cityville\nName: Samba Bank, Address: 1616 Hickory St, Cityville\nName: ICBC, Address: 1717 Magnolia St, Cityville", "tags": "branch_location"}

You: Show me branches that are open on sunday

Chatbot: {"response": "No, all branches are closed on Sundays.", "tags": "branch_location"}

Type a message...

Send

