AI based discourse for Banking Industry using Watson Assistant
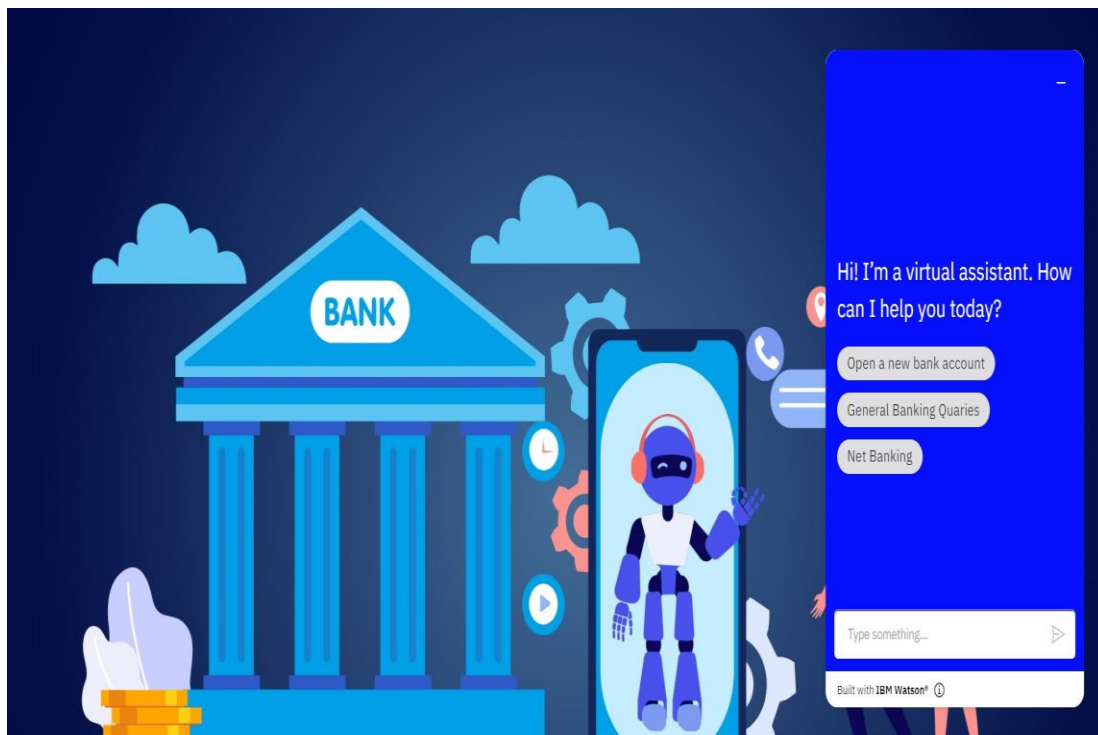
Project Screenshots

Open a new bank account

Did you mean:

Savings account   Current account

Net Banking   Hello   thank

None of the above

?

Type something...   ▷

Open a new bank account

Did you mean:

Savings account Current account

Net Banking Hello thank

None of the above

Savings account

Which type of savings account do you want to create?

Regular savings Account

Kids savings Account

Zero Balance savings Account

?

Type something... ▷

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Regular savings Account

Kids savings Account

Zero Balance savings Account

Regular savings Account

Great! Please take the following documents and head towards the nearest branch.

1. Aadhar Card
2. Pan card
3. Passport size photos

Do you want to know about some other services?

Yes   No

Yes

?

Type something...   ▷

Do you want to know about some other services?

Yes   No

Yes

How can I help you?

General query   ⌄

General query

| Select the general queries listed below.

Select an option   ⌄

?

Type something...   ▷

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General query

Select the general queries listed below.

Bank Working Days   ⌄

Bank Working Days

The bank is open all days from Monday to Saturday from 9 am to 3 pm, with exception of 2nd Saturdays.

Do you want to know about some other services?

Yes   No

?

Type something... ➤

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Loan enquiry

What type of loan are you looking at?

House loan ⌄

House loan

| To be eligible for a house loan please contact our bank service providers with all existing loan details.

Do you want to know about some other services?

Yes   No

?

Type something... ➢

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Yes

How can I help you?

Net Banking ⌄

Net Banking

▌What queries do you have regarding Netbanking?

What is Net Banking?

How do I register for Net Banking ?

what are the features of Net Banking?

Facing errors in Net Banking

?

Type something... ▷

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```
Search  Source  Run  Debug  Consoles  Projects  Tools  View  Help

oject\Banking chatbot\Flask\app.py

mp.py ×   app.py ×

from flask import Flask, render_template

app = Flask(__name__)


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


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

Usage

Here you can get help of any object by pressing **Ctrl+I** in front of it, either on the Editor or the Console.

Help can also be shown automatically after writing a left parenthesis next to an object. You can activate this behavior in *Preferences > Help*.

New to Spyder? Read our tutorial

Help Variable Explorer Plots Files

Console 1/A ×

```
Python 3.9.12 (main, Apr  4 2022, 05:22:27) [MSC v.1916 64 bit (AMD64)]
Type "copyright", "credits" or "license" for more information.

IPython 8.2.0 -- An enhanced Interactive Python.

In [1]: runfile('D:/mca project/Banking chatbot/Flask/app.py', wdir='D:/mca project/Banking chatbot/
Flask')
 * Serving Flask app "app" (lazy loading)
 * Environment: production
   WARNING: This is a development server. Do not use it in a production deployment.
   Use a production WSGI server instead.
 * Debug mode: off
 * Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

IPython console History

LSP Python: ready   conda: base (Python 3.9.12)   Line 13, Col 1   ASCII   CRLF   RW   Mem 92%

File Edit Selection View Go Run Terminal Help   chatbot.html - Visual Studio Code

Restricted Mode is intended for safe code browsing. Trust this window to enable all features.   Manage   Learn More

chatbot.html ×

D: > mca project > Banking chatbot > Flask > templates > <> chatbot.html > ...

```html
1   <!DOCTYPE html>
2   <html lang="en">
3   <head>
4       <meta charset="UTF-8">
5       <title>Output</title>
6       <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
7       <style>
8           body
9           {
10          background-image: url("https://www.apptunix.com/blog/wp-content/uploads/sites/3/2021/04/show-chatbots-for-banking.jpg");
11          background-size: cover;
12          }
13      </style>
14  </head>
15  <body>
16  <script>
17      window.watsonAssistantChatOptions = {
18          integrationID: "b5dfbad0-cbc6-4961-a184-4966dd8ba21f", // The ID of this integration.
19          region: "us-south", // The region your integration is hosted in.
20          serviceInstanceID: "2b1fb018-410e-4536-b69e-dbf938d6211c", // The ID of your service instance.
21          onLoad: function(instance) { instance.render(); }
22      };
23      setTimeout(function(){
24          const t=document.createElement('script');
25          t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" + (window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntr
26          document.head.appendChild(t);
27      });
28  </script>
29  </body>
30  </html>
```

Restricted Mode   ⊗ 0 △ 0   Ln 1, Col 1   Spaces: 2   UTF-8   CRLF   HTML