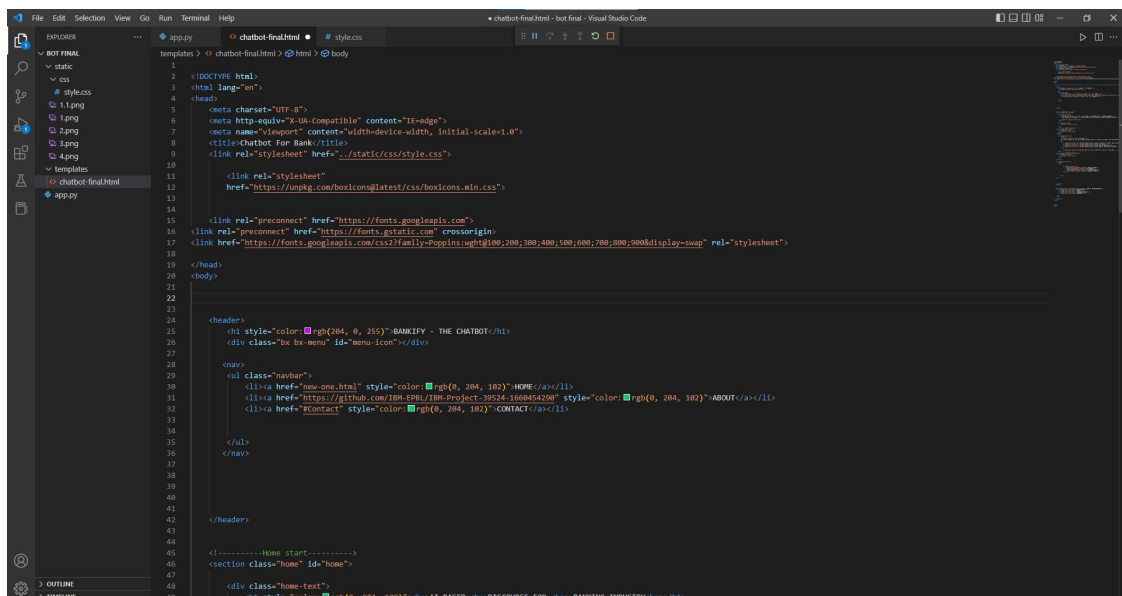


Project Development Phase Delivery of Sprint - 3

Date	13 November 2022
Team ID	PNT2022TMID31091
Project Name	AI based discourse for Banking Industry

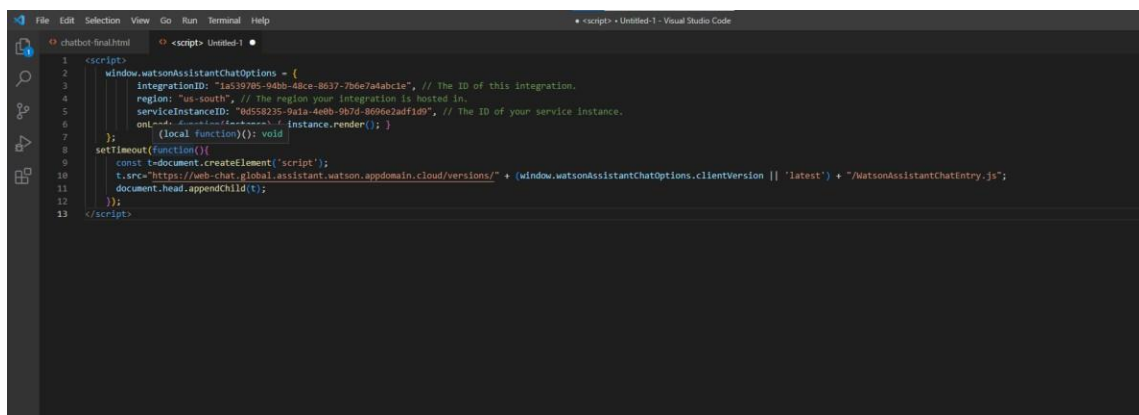
Build HTML code :

In this activity We use HTML to create the front-end part of the web page. We are created a HTML page named as chatbot-final.html.



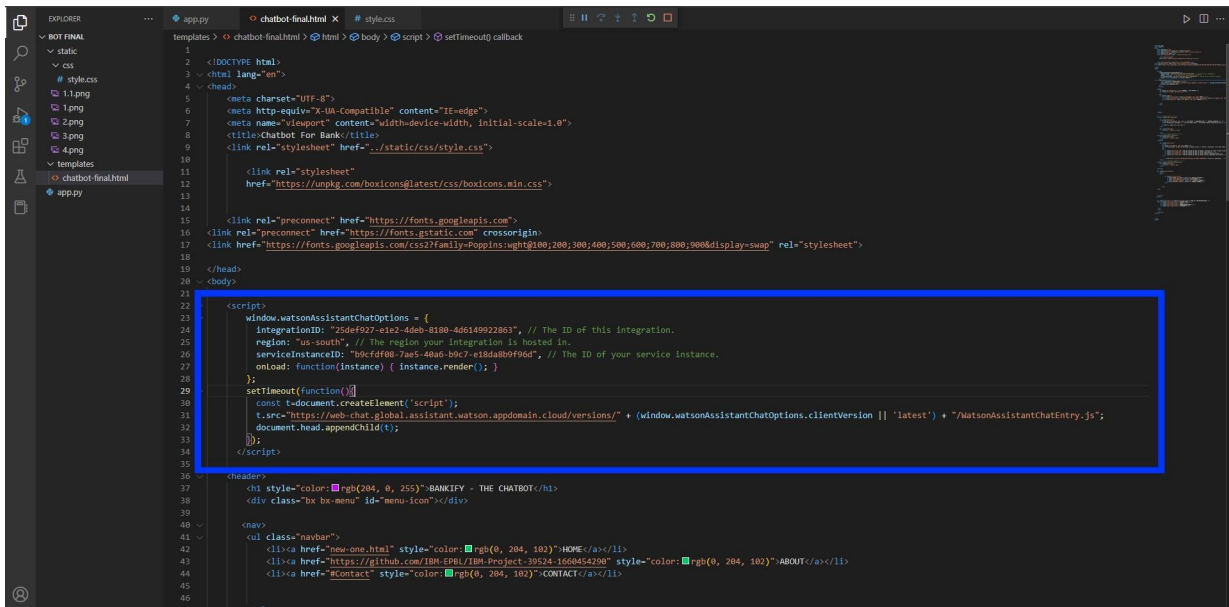
```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta http-equiv="X-UA-Compatible" content="IE=edge">
6 <meta name="viewport" content="width=device-width, initial-scale=1.0">
7 <title>Chatbot For Bank</title>
8 <link rel="stylesheet" href="static/css/style.css">
9 <link rel="stylesheet" href="https://unpkg.com/boxicons@latest/css/boxicons.min.css">
10 <link rel="preconnect" href="https://fonts.googleapis.com">
11 <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
12 <link href="https://fonts.googleapis.com/css?family=Roboto:400,500,600,700,800,900&display=swap" rel="stylesheet">
13 </head>
14 <body>
15 <div>
16 <div>
17 <div>
18 <div>
19 <div>
20 <div>
21 <div>
22 <div>
23 <div>
24 <div>
25 <div>
26 <div>
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42 <div>
43 <div>
44 <div>
45 <div>
46 <div>
47 <div>
48 <div>
49 <div>
50 <div>
```

Chatbot-final.html displays the home page which integrates with Watson Assistant.



```
1 <script>
2 window.watsonAssistantChatOptions = {
3   integrationID: "1a339785-94bb-48ce-8637-7bde7a4abc1e", // The ID of this integration.
4   region: "us-south", // The region your integration is hosted in.
5   serviceInstanceID: "0d558235-9a1a-4e6b-9b7d-8606e2ad189", // The ID of your service instance.
6   url: "https://api.watsonassistant.com/v1", // The URL of your service instance.
7 };
8 (function() {
9   const t=document.createElement('script');
10   t.src="https://web-chat.global/assistant-watson.appdomain.cloud/versions/" + (window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";
11   document.head.appendChild(t);
12 })();
13 </script>
```

A simple HTML page is created And also some basic CSS code added.And then Auto-generated source code from IBM Watson Assistants is copied and pasted inside the body tag.



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta http-equiv="X-UA-Compatible" content="IE=edge">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>Chatbot For Bank</title>
8   <link rel="stylesheet" href="../static/css/style.css">
9   <link rel="stylesheet" href="https://unpkg.com/boxicons@latest/css/boxicons.min.css">
10
11   <link rel="preconnect" href="https://fonts.googleapis.com">
12   <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
13   <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@400;500;600;700;800;900&display=swap" rel="stylesheet">
14 </head>
15 <body>
16
17   <script>
18     window.watsonAssistantChatOptions = {
19       integrationID: "75def927-e1e2-4deb-8188-4d6149922863", // The ID of this integration.
20       region: "us-south", // The region your integration is hosted in.
21       serviceInstanceID: "b0cfd980-7ae5-48a6-b9c7-e18da8b9f96d", // The ID of your service instance.
22       onLoad: function(instance) { instance.render(); }
23     };
24     setTimeout(function() {
25       const toDocument = document.createElement('script');
26       toDocument.src = "https://web-chat.global.assistant.watson.appdomain.cloud/versions/" + (window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";
27       document.head.appendChild(toDocument);
28     });
29   </script>
30
31   <header>
32     <div style="color: #000080; text-align: center; font-weight: bold; font-size: 1.2em;>BANKIFY - THE CHATBOT</div>
33     <div class="bx bx-menu" id="menu-icon"></div>
34
35   <nav>
36     <ul class="navbar">
37       <li><a href="#home.html" style="color: #000080; text-decoration: none;>HOME</a></li>
38       <li><a href="https://github.com/IBM-EP8/IBM-Project-39524-1660454290" style="color: #000080; text-decoration: none;>ABOUT</a></li>
39       <li><a href="#contact" style="color: #000080; text-decoration: none;>CONTACT</a></li>
40     </ul>
41   </nav>
42 </body>
43 </html>
```

Build Python Code :

1: Importing Libraries

First step step is usually importing the libraries that will be needed in the program.Importing the flask module into the project to build the flask web application.

- Import just like as --- from flask import Flask , render_template

2: Creating our flask application and loading

- app = Flask(__name__)

3: Routing to the HTML Page

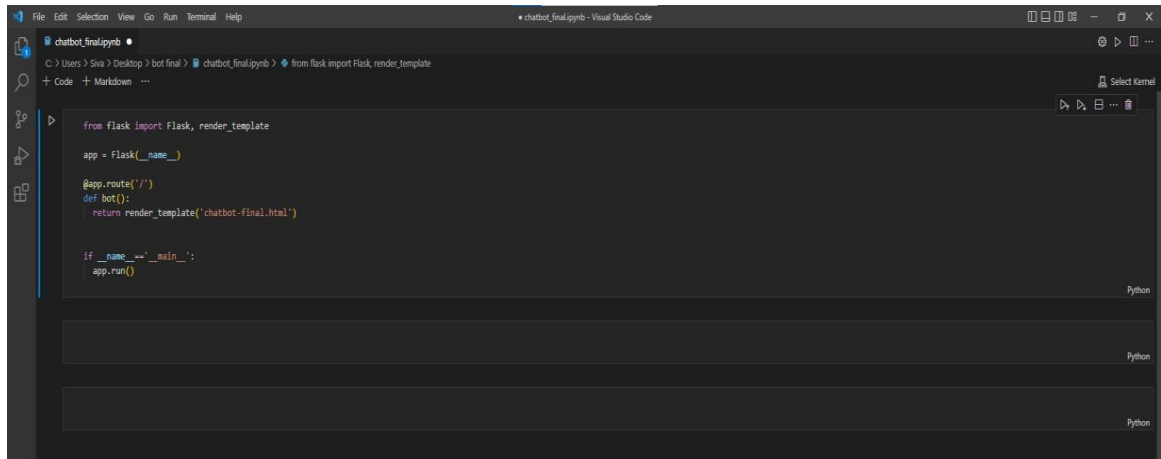
Here, the declared constructor is used to route to the HTML page created earlier.The '/' route is bound with the bot function. Hence, when the home page of a web server is opened in the browser, the HTML page will be rendered.

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

4: Main Function

This is used to run the application in localhost.

- If `__name__ == "__main__":`
- `app.run()`



```
from flask import Flask, render_template

app = Flask(__name__)

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

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