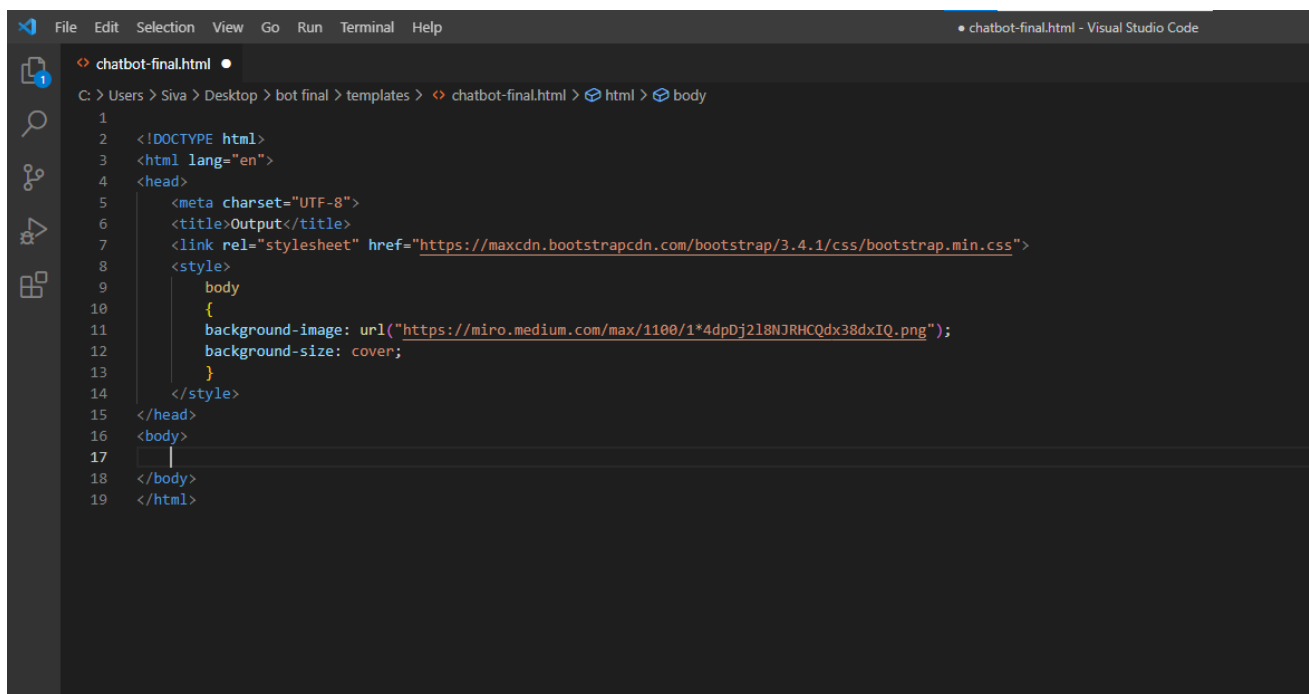


Project Development Phase Delivery of Sprint - 3

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

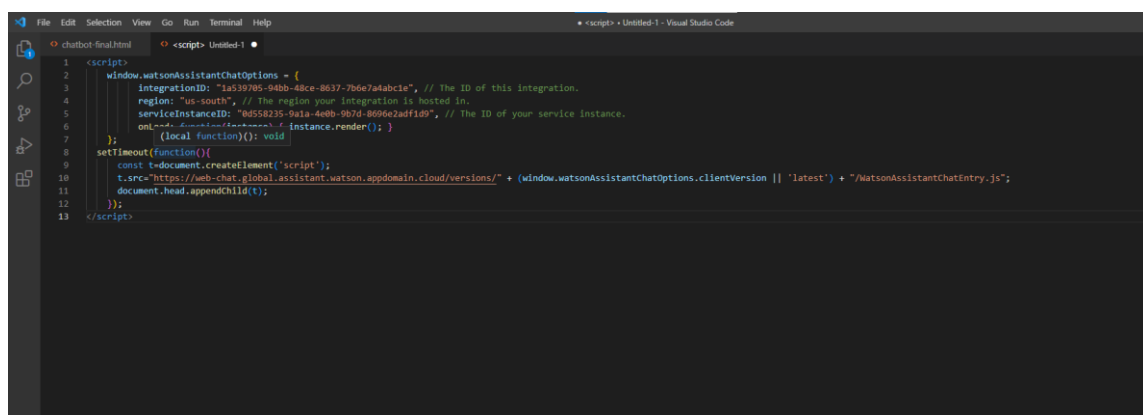
Build HTML code :

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
2 <!DOCTYPE html>
3 <html lang="en">
4 <head>
5   <meta charset="UTF-8">
6   <title>Output</title>
7   <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
8   <style>
9     body
10    {
11      background-image: url("https://miro.medium.com/max/1100/1*4dpDj218NJRHCQdx38dxIQ.png");
12      background-size: cover;
13    }
14  </style>
15 </head>
16 <body>
17
18 </body>
19 </html>
```

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



```
1 <script>
2   window.watsonAssistantChatOptions = {
3     integrationID: "1a539705-94bb-48ce-8637-7bde7a4abc1e", // The ID of this integration.
4     region: "us-south", // The region your integration is hosted in.
5     serviceInstanceID: "0a558235-9a1a-4a0b-9b7d-8696e2adf109", // The ID of your service instance.
6     onLoad: function() { instance.render(); }
7   };
8   (local function)(); void
9   setTimeout(function() {
10     const t=document.createElement('script');
11     t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" + (window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";
12     document.head.appendChild(t);
13   });
14 </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
2 <!DOCTYPE html>
3 <html lang="en">
4 <head>
5   <meta charset="UTF-8">
6   <title>Output</title>
7   <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.1/css/bootstrap.min.css">
8   <style>
9     body
10     {
11       background-image: url("https://miro.medium.com/max/1100/1*4dpQ2l0U3WQCd3bXtQ.png");
12       background-size: cover;
13     }
14   </style>
15 </head>
16 <body>
17   <script>
18     window.watsonAssistantChatOptions = {
19       integrationId: "Ia599N6-94b0-48ce-8637-79de7a4abc1c", // The ID of this integration.
20       region: "us-south", // The region your integration is hosted in.
21       serviceInstanceId: "0d558235-9a1a-4e0b-b67d-8696e2adf1d9", // The ID of your service instance.
22       onLoad: function(instance) { instance.render(); }
23     };
24     setTimeout(function(){
25       const document.createElement('script');
26       t.src="https://web-chat.global/assistant.watson.appdomain.cloud/versions/" + (window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";
27       document.head.appendChild(t);
28     });
29   </script>
30
31
32 </script>
33 </body>
34 </html>

```

Build Python Code :

1: Importing Libraries

First 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

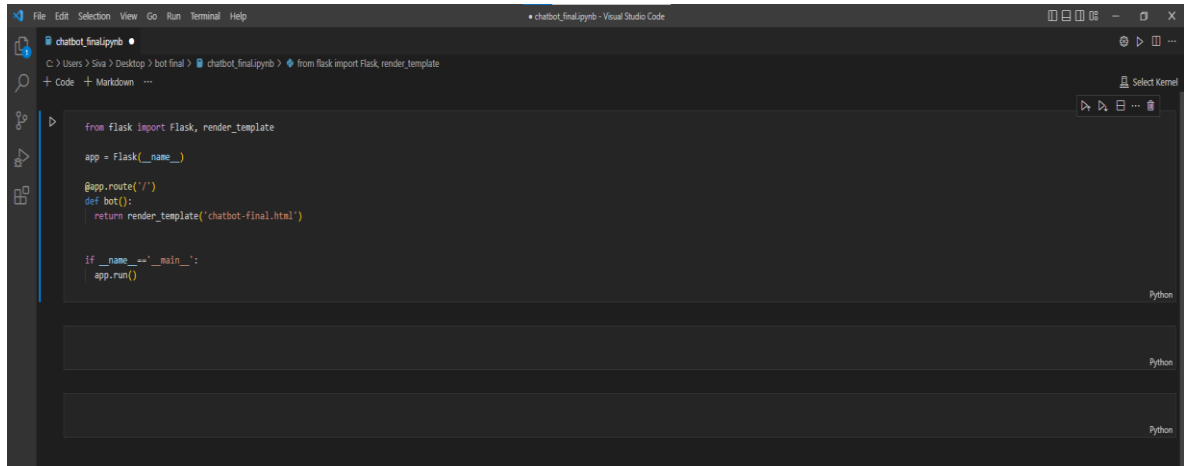
Here, the declared constructor is used to route to the HTML page created earlier. The ‘/’ route is bound with the bot function. Hence, when the home page of a web server is opened in the browser, the HTML page will be rendered.

- **@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()
```