

Project Development Phase Sprint 4

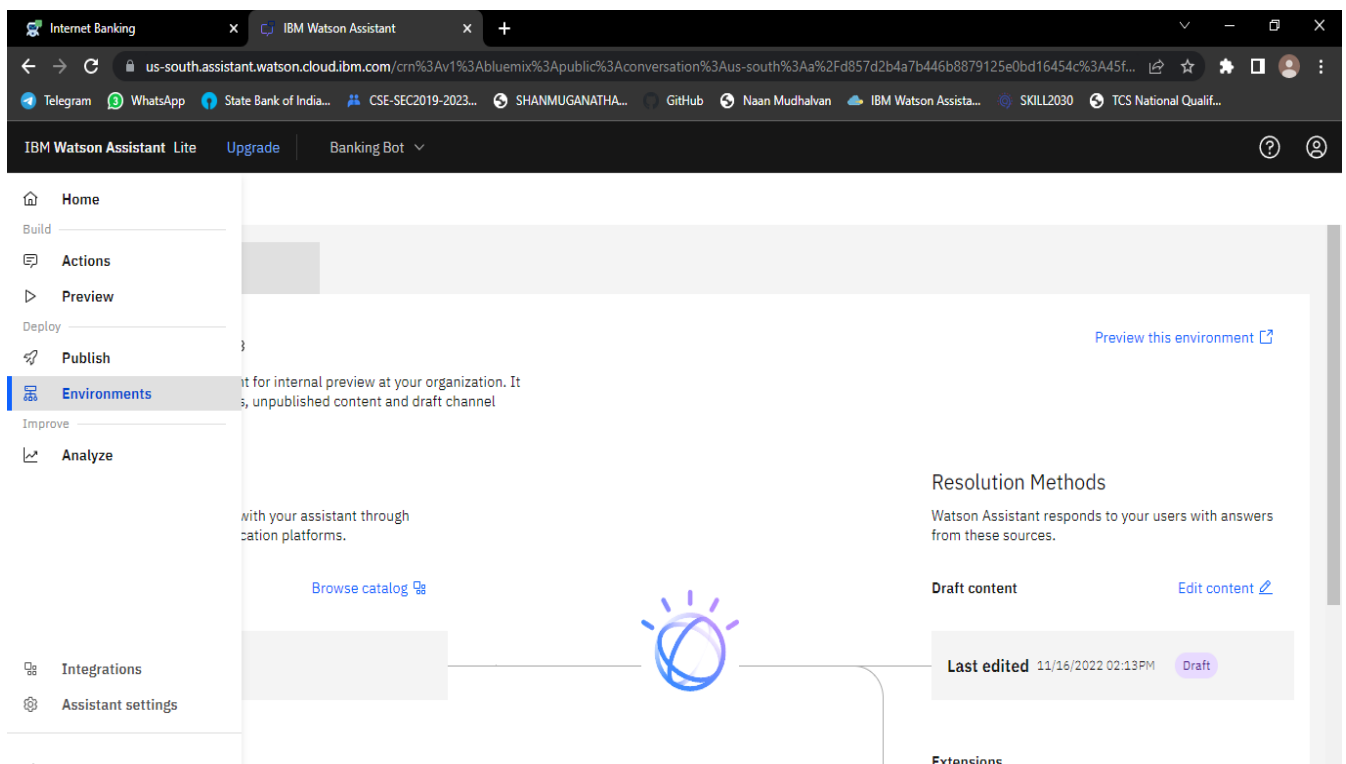
Date	16 November 2022
Team ID	PNT2022TMID48085
Project Name	Project – AI BASED DISCOURSE FOR BANKING INDUSTRY

Sprint -4:

1. Creating Assistant & Integrate with Flask Web Page Build Python Code
2. Build HTML Code
3. Run the Application

1. Creating Assistant & Integrate with Flask Web Page Build Python Code

1.1 Open IBM Watson Assistant → Choose the Environment



1.2 Choose the Web chat.

Internet Banking x IBM Watson Assistant x +

us-south.assistant.watson.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Aconversation%3Aus-south%3Aa%2Fd857d2b4a7b446b8879125e0bd16454c%3A45f...

Telegram WhatsApp State Bank of India... CSE-SEC2019-2023... SHANMUGANATHA... GitHub Naan Mudhalvan IBM Watson Assista... SKILL2030 TCS National Qualif...

IBM Watson Assistant Lite Upgrade Banking Bot

Environments

Draft Live

Draft environment

Use the draft environment for internal preview at your organization. It contains your in-progress, unpublished content and draft channel integrations. [Preview this environment](#)

Channels

Your customers interact with your assistant through these different communication platforms.

Channels [Browse catalog](#)

Web chat

Resolution Methods

Watson Assistant responds to your users with answers from these sources.

Draft content [Edit content](#)

Last edited 11/16/2022 02:22PM **Draft**

Extensions

1.3 Choose the Embed → Copy the Script File

Internet Banking x IBM Watson Assistant x +

us-south.assistant.watson.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Aconversation%3Aus-south%3Aa%2Fd857d2b4a7b446b8879125e0bd16454c%3A45f...

Telegram WhatsApp State Bank of India... CSE-SEC2019-2023... SHANMUGANATHA... GitHub Naan Mudhalvan IBM Watson Assista... SKILL2030 TCS National Qualif...

IBM Watson Assistant Lite Upgrade Banking Bot

Web chat **Draft**

Close **Save and exit**

Style Launcher Home screen Live agent Suggestions Security **Embed** Resources

</> Embed on your website

Ready to launch? It's as easy as copy and paste. [Learn more](#)

```
<script>
window.watsonAssistantChatOptions = {
  integrationID: "0a2086e5-a9d5-49af-b115-c72c2b03f395", // The ID of this integration.
  region: "us-south", // The region your integration is hosted in.
  serviceInstanceID: "45f4a67b-3fec-431d-abff-171737f768f9", // The ID of your service instance.
  onLoad: function(instance) { instance.render(); }
};
setTimeout(function(){
  const t=document.createElement('script');
  t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" + (window.watsonAssistantChatOptions ? window.watsonAssistantChatOptions.integrationID : null) + ".js";
  document.head.appendChild(t);
});
</script>
```

Show more

1.4 Assistant Integrate with the Python Flask

```
from pickle import TRUE

from flask import Flask, request, render_template, redirect, make_response, jsonify

# init Flask

app = Flask(__name__)

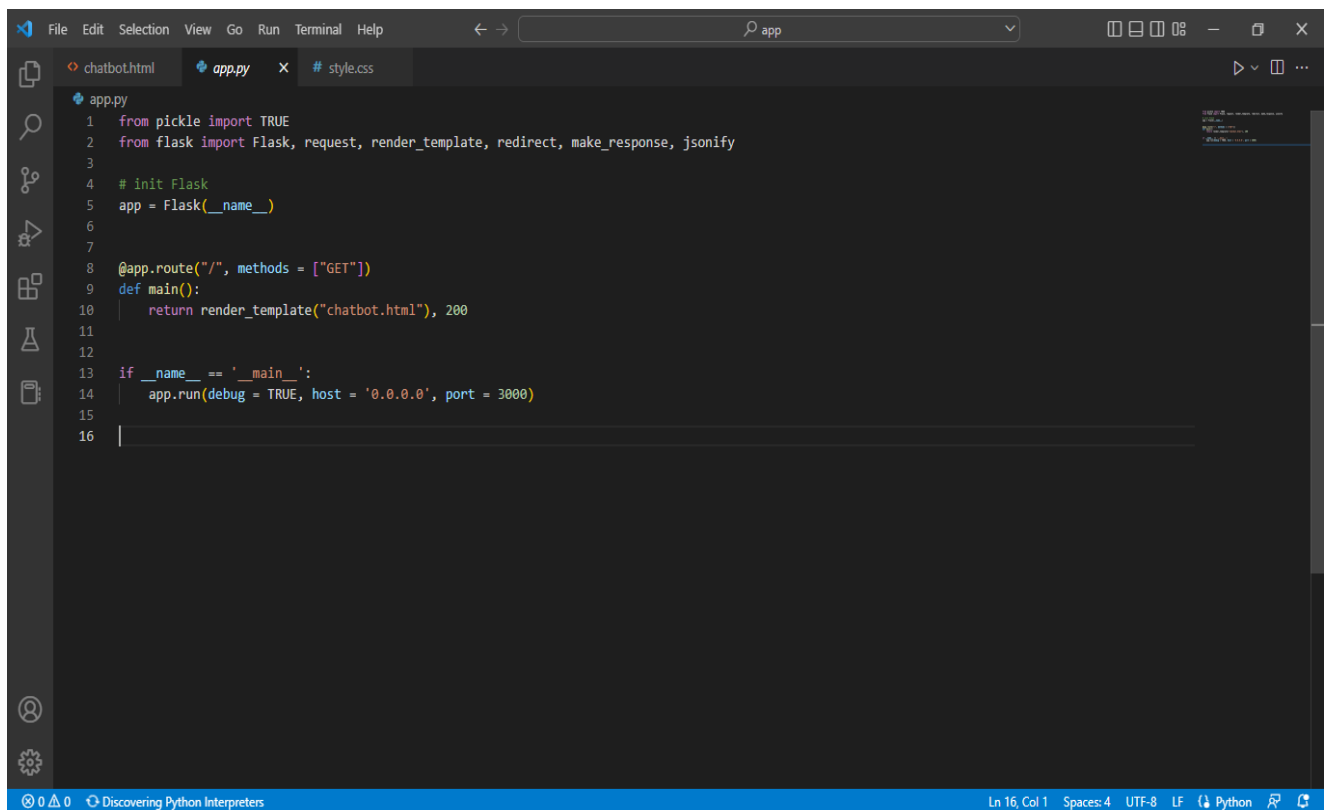
@app.route("/", methods = ["GET"])

def main():

    return render_template("chatbot.html"), 200

if __name__ == '__main__':

    app.run(debug = TRUE, host = '0.0.0.0', port = 3000)
```

A screenshot of a code editor window with a dark theme. The editor has a sidebar on the left with icons for Explorer, Search, Source Control, Run and Debug, Extensions, Testing, and Settings. The top menu bar includes File, Edit, Selection, View, Go, Run, Terminal, and Help. The main editing area shows a Python file named 'app.py' with the following code:

```
1 from pickle import TRUE
2 from flask import Flask, request, render_template, redirect, make_response, jsonify
3
4 # init Flask
5 app = Flask(__name__)
6
7
8 @app.route("/", methods = ["GET"])
9 def main():
10     return render_template("chatbot.html"), 200
11
12
13 if __name__ == '__main__':
14     app.run(debug = TRUE, host = '0.0.0.0', port = 3000)
15
16 |
```

 The status bar at the bottom indicates 'Ln 16, Col 1', 'Spaces: 4', 'UTF-8', 'LF', and 'Python'.

2.Bulid HTML code

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <meta http-equiv="X-UA-Compatible" content="IE=edge">

  <meta name="viewport" content="width=device-width, initial-scale=1.0">

  <title>Internet Banking</title>

  <link rel="icon" type="image/x-icon" href="/static/favicon.png">

  <link rel="stylesheet" href="/static/style.css">

  <script>

    window.watsonAssistantChatOptions = {

      integrationID: "0a2086e5-a9d5-49af-b115-c72c2b03f395", // The ID of this
integration.

      region: "us-south", // The region your integration is hosted in.

      serviceInstanceID: "45f4a67b-3fec-431d-abff-171737f768f9", // The ID of your service
instance.

      onLoad: function(instance) { instance.render(); }

    };

    setTimeout(function(){

      const t=document.createElement('script');

      t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') +
"/WatsonAssistantChatEntry.js";

      document.head.appendChild(t);

    });

  </script>

</head>

<body>

  <div class="landing-page">

    <div class="container">

      <div class="header-area">
```

```
<div class="logo"> <h2>Banking&Finance</h2></div>

<ul class="links">

  <li>Home</li>

  <li>About Us</li>

  <li>Services</li>

  <li>Contact Us</li>

</ul>

</div>

<div class="info">

  <h1>Banking Services</h1>

  <p>Banking includes a wide variety of financial institutions that store the money of
individuals, businesses and other entities. Banks provide financial services that help people
save, manage and invest their money.</p>

  <button>Read More</button>

</div>

<div class="image">

</div>

<div class="clearfix"></div>

</div>

</div>

</body>

</html>
```

```
File Edit Selection View Go Run Terminal Help
chatbothtml app style.css

templates > chatbothtml > ...
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>Internet Banking</title>
8   <link rel="icon" type="image/x-icon" href="/static/favicon.png">
9   <link rel="stylesheet" href="/static/style.css">
10  <script>
11    window.watsonAssistantChatOptions = {
12      integrationID: "0a2086e5-a9d5-49af-b115-c72c2b03f395", // The ID of this integration.
13      region: "us-south", // The region your integration is hosted in.
14      serviceInstanceID: "45f4a67b-3fec-431d-abff-171737f768f9", // The ID of your service instance.
15      onLoad: function(instance) { instance.render(); }
16    };
17    setTimeout(function(){
18      const t=document.createElement('script');
19      t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" + (window.watsonAssistantChatOptions.clientVersion || 'latest') + "/watson-assistant-runtime.js?integrity=sha384-c8786478328624da2c6c416988963b27b57f825e543469702f620593d00624";
20      document.head.appendChild(t);
21    });
22  </script>
23 </head>
24 <body>
25   <div class="landing-page">
26     <div class="container">
27       <div class="header-area">
28         <div class="logo"> <h2>Banking&Finance</h2></div>
29         <ul class="links">
30           <li>Home</li>
31           <li>About Us</li>
32           <li>Services</li>
33         </ul>
34       </div>
35     </div>
36   </div>
37 </body>
38 </html>
```

```
File Edit Selection View Go Run Terminal Help
chatbothtml app style.css

templates > chatbothtml > html
18 const t=document.createElement('script');
19 t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" + (window.watsonAssistantChatOptions.clientVersion || 'latest') + "/watson-assistant-runtime.js?integrity=sha384-c8786478328624da2c6c416988963b27b57f825e543469702f620593d00624";
20 document.head.appendChild(t);
21 });
22 </script>
23 </head>
24 <body>
25   <div class="landing-page">
26     <div class="container">
27       <div class="header-area">
28         <div class="logo"> <h2>Banking&Finance</h2></div>
29         <ul class="links">
30           <li>Home</li>
31           <li>About Us</li>
32           <li>Services</li>
33           <li>Contact Us</li>
34         </ul>
35       </div>
36       <div class="info">
37         <h1>Banking Services</h1>
38         <p>Banking includes a wide variety of financial institutions that store the money of individuals, businesses and other entities.
39         <button>Read More</button>
40       </div>
41       <div class="image">
42         
43       </div>
44       <div class="clearfix"></div>
45     </div>
46   </div>
47 </body>
48 </html>
```

CSS code:

```
*{
  box-sizing: border-box;
}
body{
  font-family: sans-serif;
}
.container{
  width: 1170px;
  padding-right: 15px;
  padding-left: 15px;
  margin: auto;
}
.landing-page{
  position: relative;
  background-color: white;
}
.landing-page .header-area{
  display: flex;
  padding: 25px 0 0;
  position: relative;
}
.landing-page .header-area .logo{
  font-style: Times New Roman;
  margin-top: 10px;
  font-size: 19px;
  width: 300px;
  color: #5d5d5d;
}
.landing-page .header-area .links{
  list-style: none;
  padding: 0;
  margin: 0;
  width: 100%;
  text-align: right;
}
.landing-page .header-area .links li{
  display: inline-block;
  margin-left: 30px;
  color: #5d5d5d;
  cursor: pointer;
}
.landing-page .header-area .links li:last-child{
  border: 0;
  border-radius: 20px;
  padding: 10px 18px;
  color: white;
  background-color: #6c63ff;
```

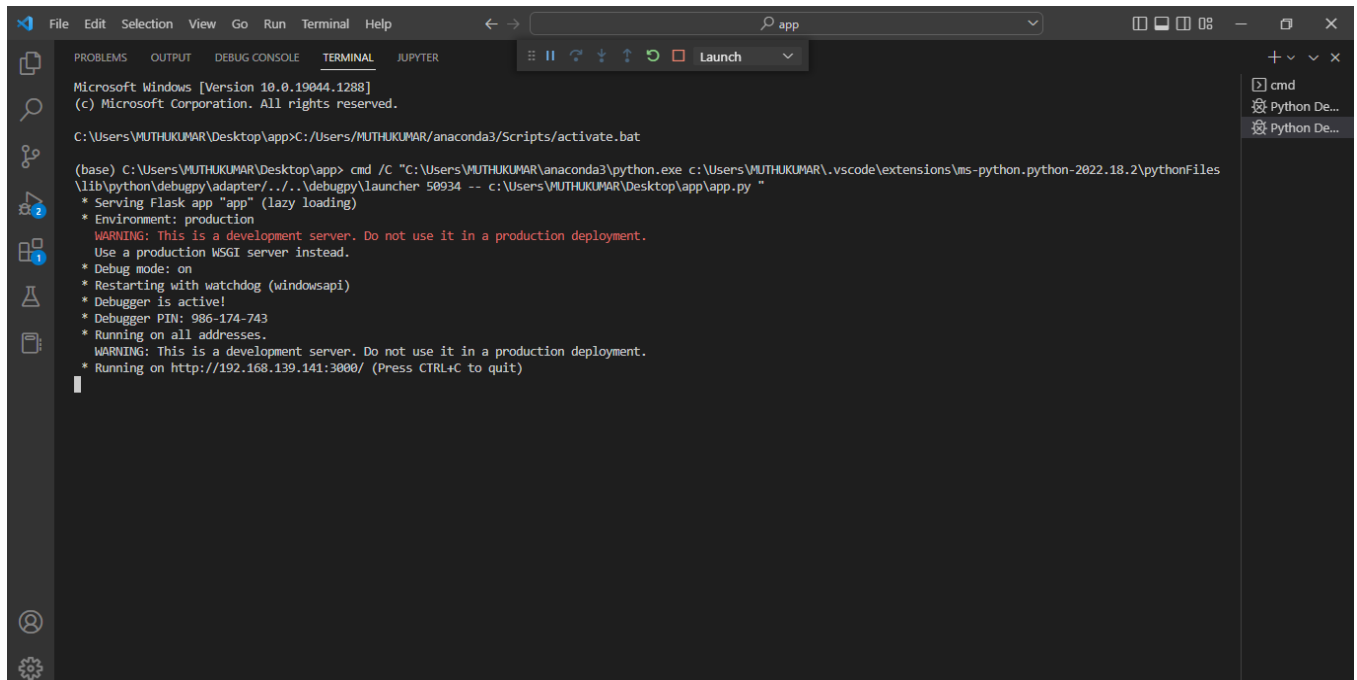
```
}  
.landing-page .info{  
  width: 35%;  
  float: left;  
  margin-top: 130px;  
}  
.landing-page .info h1{  
  font-size: 44px;  
  margin: 0 0 20px;  
  line-height: 1.4;  
  color: #5d5d5d;  
}  
.landing-page .info p{  
  margin: 0;  
  line-height: 1.6;  
  font-size: 15px;  
  color: #5d5d5d;  
}  
.landing-page .info button{  
  border: 0;  
  border-radius: 20px;  
  padding: 12px 30px;  
  margin-top: 30px;  
  cursor: pointer;  
  color: white;  
  background-color: #6c63ff;  
}  
.landing-page .image{  
  width: 50%;  
  float: right;  
  margin-top: 35px;  
}  
.landing-page .image img{  
  max-width: 100%;  
}  
.clearfix{  
  clear: both;  
}
```



```
File Edit Selection View Go Run Terminal Help
chatbothtml app.py # style.css x
static > # style.css >
1  *{
2    box-sizing: border-box;
3  }
4  body{
5    font-family: sans-serif;
6  }
7  .container{
8    width: 1170px;
9    padding-right: 15px;
10   padding-left: 15px;
11   margin: auto;
12 }
13 .landing-page{
14   position: relative;
15   background-color: #ffffff;
16 }
17 .landing-page .header-area{
18   display: flex;
19   padding: 25px 0 0;
20   position: relative;
21 }
22 .landing-page .header-area .logo{
23   font-style: Times New Roman;
24   margin-top: 10px;
25   font-size: 19px;
26   width: 300px;
27   color: #5d5d5d;
28 }
29 .landing-page .header-area .links{
30   list-style: none;
31   padding: 0;
32   margin: 0;
33   width: 100%;
34   text-align: right;
35 }
36 .landing-page .header-area .links li{
37   display: inline-block;
38   margin-left: 30px;
39   color: #5d5d5d;
40   cursor: pointer;
41 }
42 .landing-page .header-area .links li:last-child{
43   border: 0;
44   border-radius: 20px;
45   padding: 10px 18px;
46   color: #ffffff;
47   background-color: #6c63ff;
48 }
49 .landing-page .info{
50   width: 35%;
51   float: left;
52   margin-top: 130px;
53 }
54 .landing-page .info h1{
55   font-size: 44px;
56   margin: 0 0 20px;
57   line-height: 1.4;
58   color: #5d5d5d;
59 }
60 .landing-page .info p{
61   margin: 0;
62   line-height: 1.6;
63   font-size: 15px;
64   color: #5d5d5d;
65 }
66 .landing-page .info button{
67   border: 0;
68   border-radius: 20px;
69   padding: 12px 30px;
70   margin-top: 30px;
71   cursor: pointer;
72   color: #ffffff;
73   background-color: #6c63ff;
74 }
75 .landing-page .image{
76   width: 50%;
77   float: right;
78   margin-top: 35px;
79 }
80 .landing-page .image img{
81   max-width: 100%;
82 }
83 .clearfix{
84   clear: both;
85 }
```

3.Run the Application

Run the code



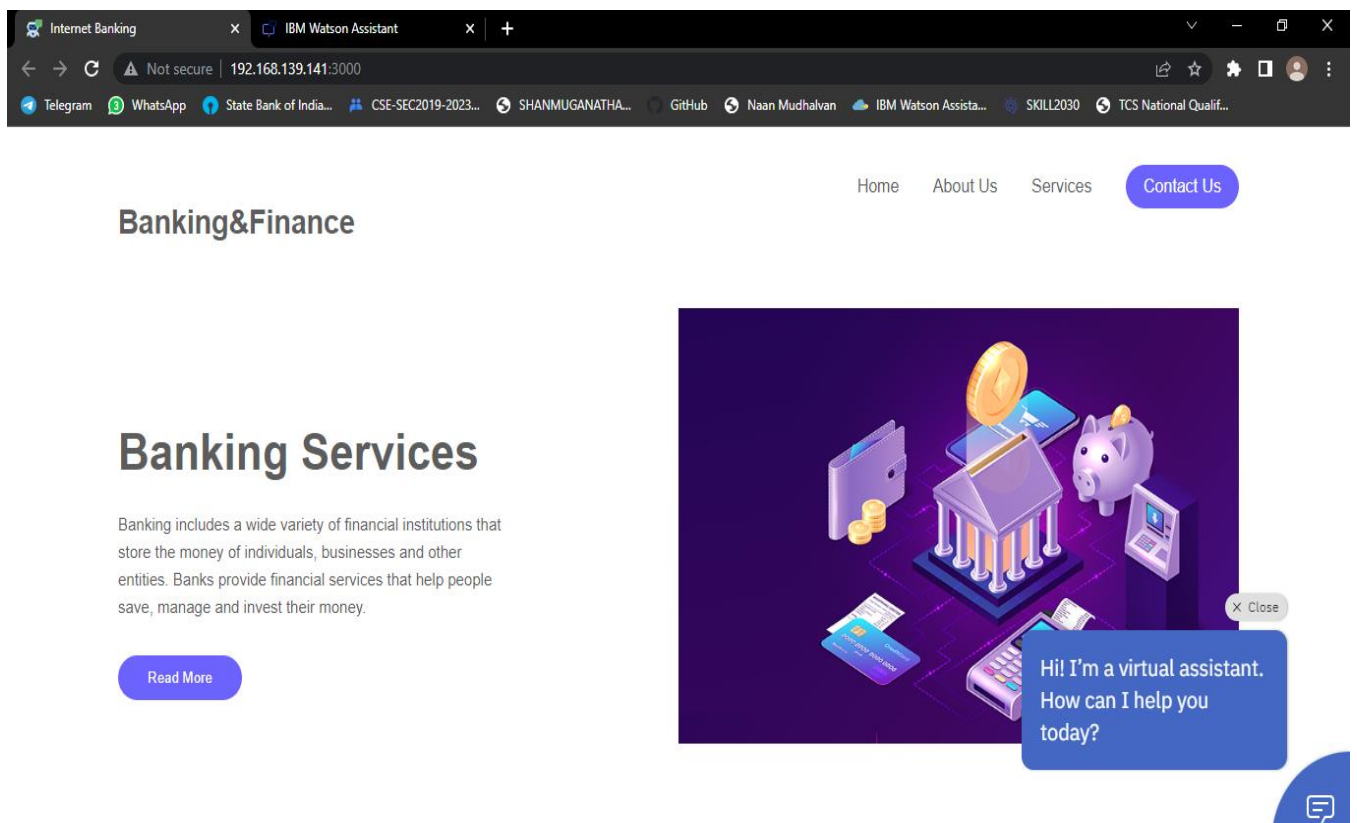
```
Microsoft Windows [Version 10.0.19044.1288]
(c) Microsoft Corporation. All rights reserved.

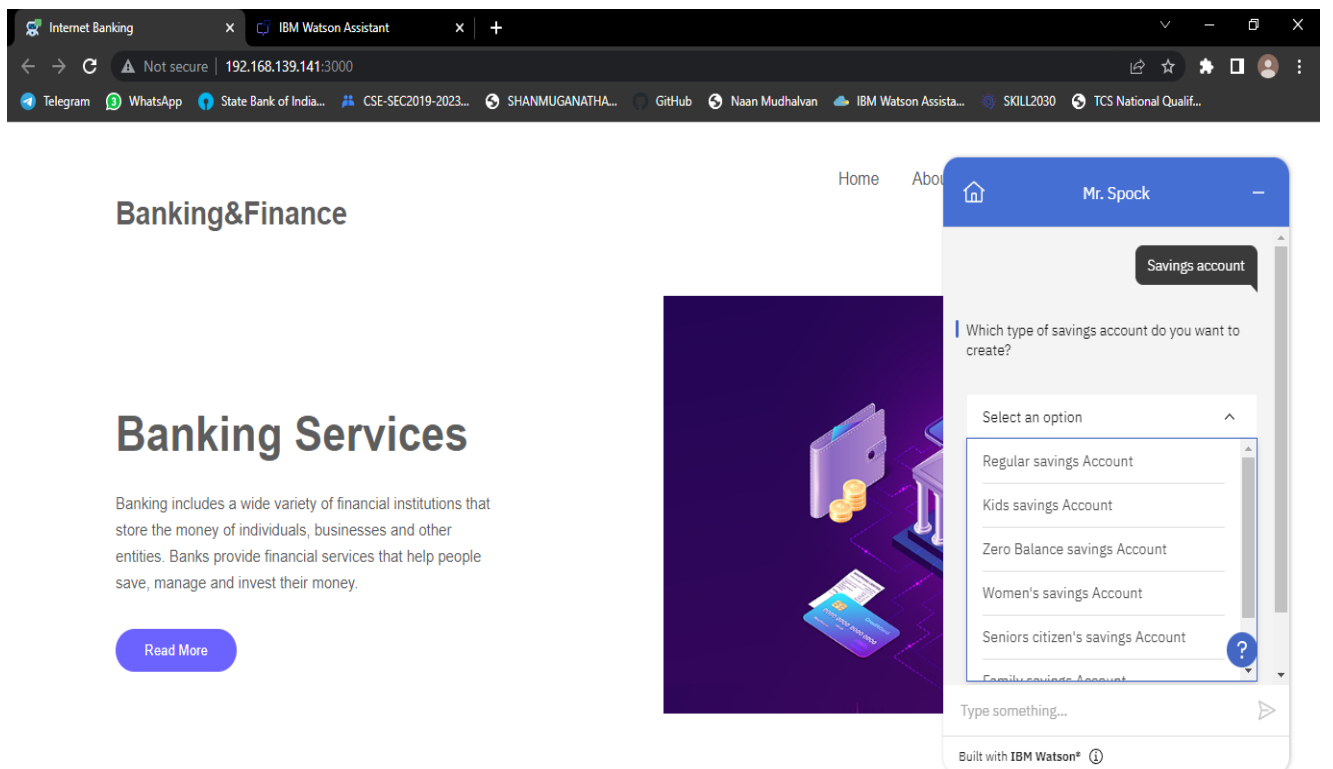
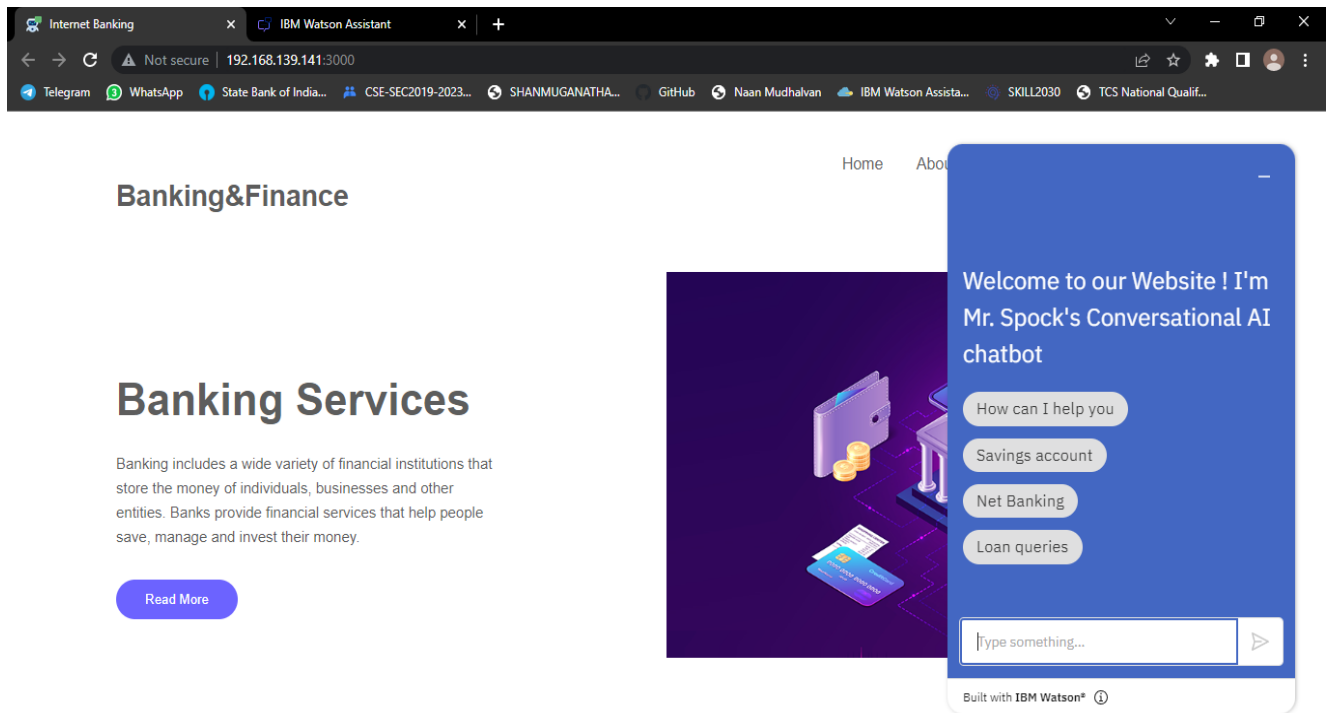
C:\Users\MUTHUKUMAR\Desktop\app>C:/Users/MUTHUKUMAR/anaconda3/Scripts/activate.bat

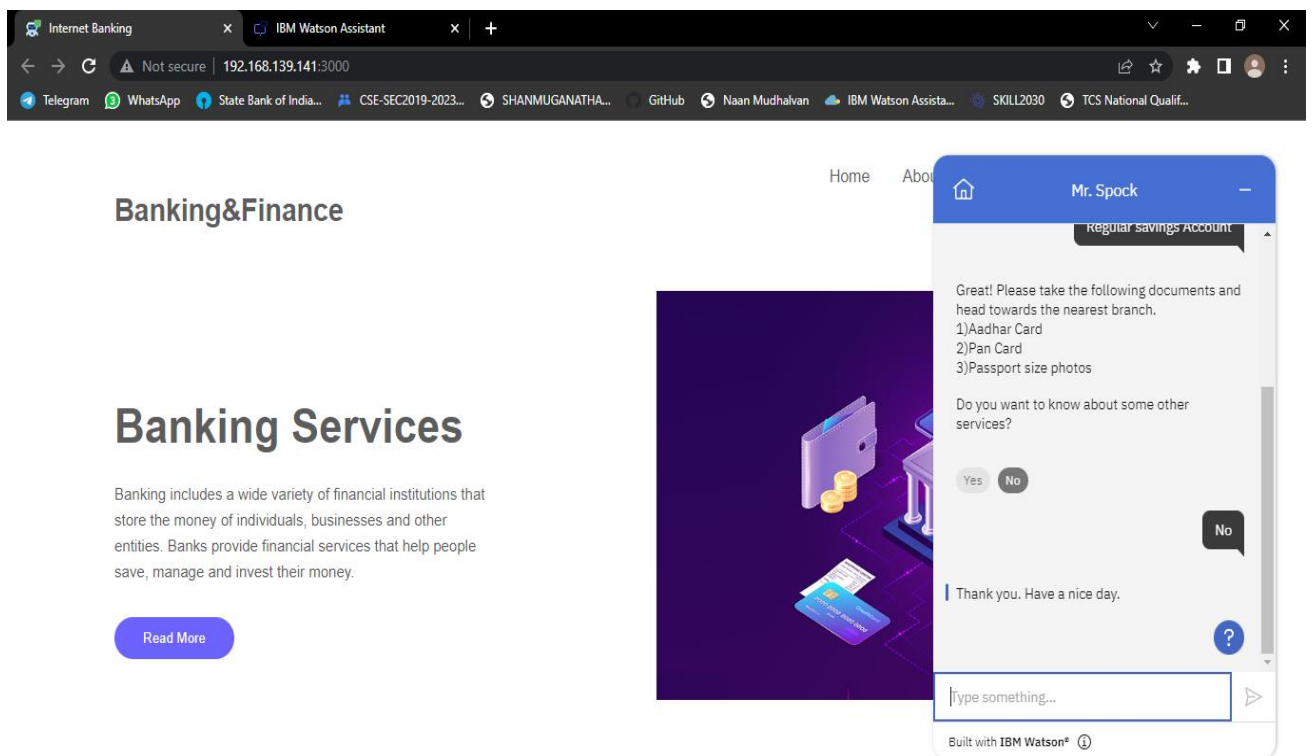
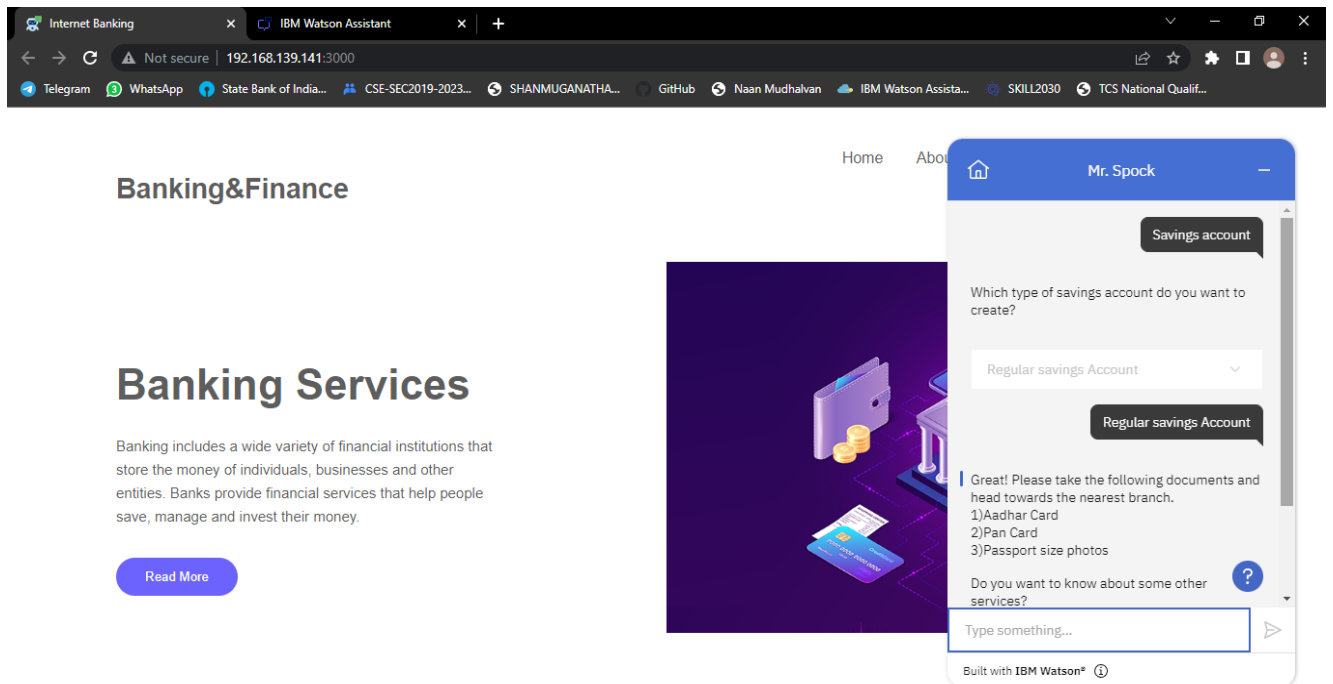
(base) C:\Users\MUTHUKUMAR\Desktop\app> cmd /C "C:\Users\MUTHUKUMAR\anaconda3\python.exe c:\Users\MUTHUKUMAR\.vscode\extensions\ms-python.python-2022.18.2\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher 50934 -- c:\Users\MUTHUKUMAR\Desktop\app\app.py "
```

* 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: on
* Restarting with watchdog (windowsapi)
* Debugger is active!
* Debugger PIN: 986-174-743
* Running on all addresses.
WARNING: This is a development server. Do not use it in a production deployment.
* Running on http://192.168.139.141:3000/ (Press CTRL+C to quit)

Preview:







DEMO LINK: [LINK](#)