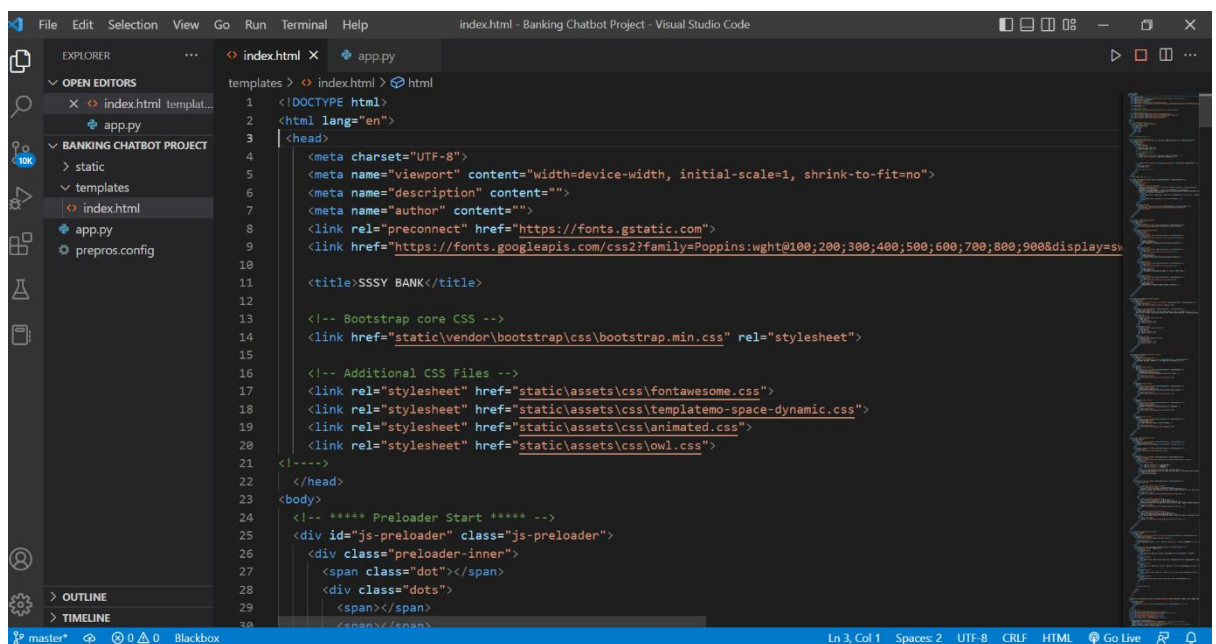


## Project Design Phase-II Delivery of Sprint-3

Date	9 November 2022
Team ID	PNT2022TMID15846
Project Name	AI Based discourse for Banking Industry
Team Members	Sneha M Swetha K Yuvanthika S Shree Lakshmi R

## Build HTML Code

- We use HTML to create the front-end part of the web page.
- Here, we have created 1 HTML page-Index.html
- Index.html displays the home page which integrates with Watson Assistant.



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
6   <meta name="description" content="">
7   <meta name="author" content="">
8   <link rel="preconnect" href="https://fonts.gstatic.com">
9   <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@100;200;300;400;500;600;700;800;900&display=swap" rel="stylesheet">
10
11   <title>SSSV BANK</title>
12
13   <!-- Bootstrap core CSS -->
14   <link href="static/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
15
16   <!-- Additional CSS Files -->
17   <link rel="stylesheet" href="static/assets/css/fontawesome.css">
18   <link rel="stylesheet" href="static/assets/css/templatemo-space-dynamic.css">
19   <link rel="stylesheet" href="static/assets/css/animated.css">
20   <link rel="stylesheet" href="static/assets/css/owl.css">
21 </head>
22 <body>
23   <!-- ***** Preloader Start ***** -->
24   <div id="js-preloader" class="js-preloader">
25     <div class="preloader-inner">
26       <span class="dot"></span>
27       <div class="dots">
28         <span></span>
29         <span></span>
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97         <span></span>
98         <span></span>
99         <span></span>
100        <span></span>
101      </div>
102    </div>
103  </body>
104 </html>
```

```
37 <!-- ***** Header Area Start ***** -->
38 <header class="header-area header-sticky wow slideInDown" data-wow-duration="0.75s" data-wow-delay="0s">
39   <div class="container">
40     <div class="row">
41       <div class="col-12">
42         <nav class="main-nav">
43           <!-- ***** Logo Start ***** -->
44           <a href="index.html" class="logo">
45             <h4>SSSY</span>BANK</span></h4>
46           </a>
47           <!-- ***** Logo End ***** -->
48           <!-- ***** Menu Start ***** -->
49           <ul class="nav">
50             <li class="scroll-to-section"><a href="#top" class="active">Home</a></li>
51             <li class="scroll-to-section"><a href="#about">About Us</a></li>
52
53
54
55
56             <li class="scroll-to-section"><div class="main-red-button"><a href="#contact">Contact Now</a></div></li>
57           </ul>
58           <a class="menu-trigger">
59             <span>Menu</span>
60           </a>
61           <!-- ***** Menu End ***** -->
62         </nav>
63       </div>
64     </div>
65   </div>
66 </header>
```

```
69 <div class="main-banner wow fadeIn" id="top" data-wow-duration="1s" data-wow-delay="0.5s">
70   <div class="container">
71     <div class="row">
72       <div class="col-lg-12">
73         <div class="row">
74           <div class="col-lg-6 align-self-center">
75             <div class="left-content header-text wow fadeInLeft" data-wow-duration="1s" data-wow-delay="1s">
76               <h6>Welcome to SSSY Bank</h6>
77               <h2>We cherish <em>each customer</em> &amp; <span>Corporate</span> Clients</h2>
78               <p>SSSY is a professional Bank is an Indian public sector bank based in Chennai.It has about 3,214 c
79               <form id="search" action="#" method="GET">
80                 <fieldset>
81                   <input type="text" name="address" class="email" placeholder="Your website URL..." autocomplete="off">
82                 </fieldset>
83                 <fieldset>
84                   <button type="submit" class="main-button">List of branches</button>
85                 </fieldset>
86               </form>
87             </div>
88           </div>
89           <div class="col-lg-6">
90             <div class="right-image wow fadeInRight" data-wow-duration="1s" data-wow-delay="0.5s">
91               
92             </div>
93           </div>
94         </div>
95       </div>
96     </div>
97   </div>
```

```
69 <div class="main-banner wow fadeIn" id="top" data-wow-duration="1s" data-wow-delay="0.5s">
70   <div class="container">
71     <div class="row">
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91               
92             </div>
93           </div>
94         </div>
95       </div>
96     </div>
97   </div>
```



# Embedding the Watson Assistant with HTML code:

- - AI Based Discourse For Banking Industry
    - Project Objectives
    - Prerequisites
    - Create IBM Service
    - Creating Skills & Assistant For Chatbot
    - Creating Assistant & Integrate With Flask Web Page
      - Build Python Code
      - Build HTML Code
      - Run The Application
    - Ideation Phase
    - Project Design Phase – I
    - Project Design Phase -II
    - Project Planning Phase
    - Project Development Phase

## Build Python Code

### 1: Importing Libraries

The first step is usually importing the libraries that will be needed in the program.

Importing the flask module into the project is mandatory. An object of the Flask class is our WSGI application. Flask constructor takes the name of the current module (`__name__`).

### 2: Creating our flask application and loading

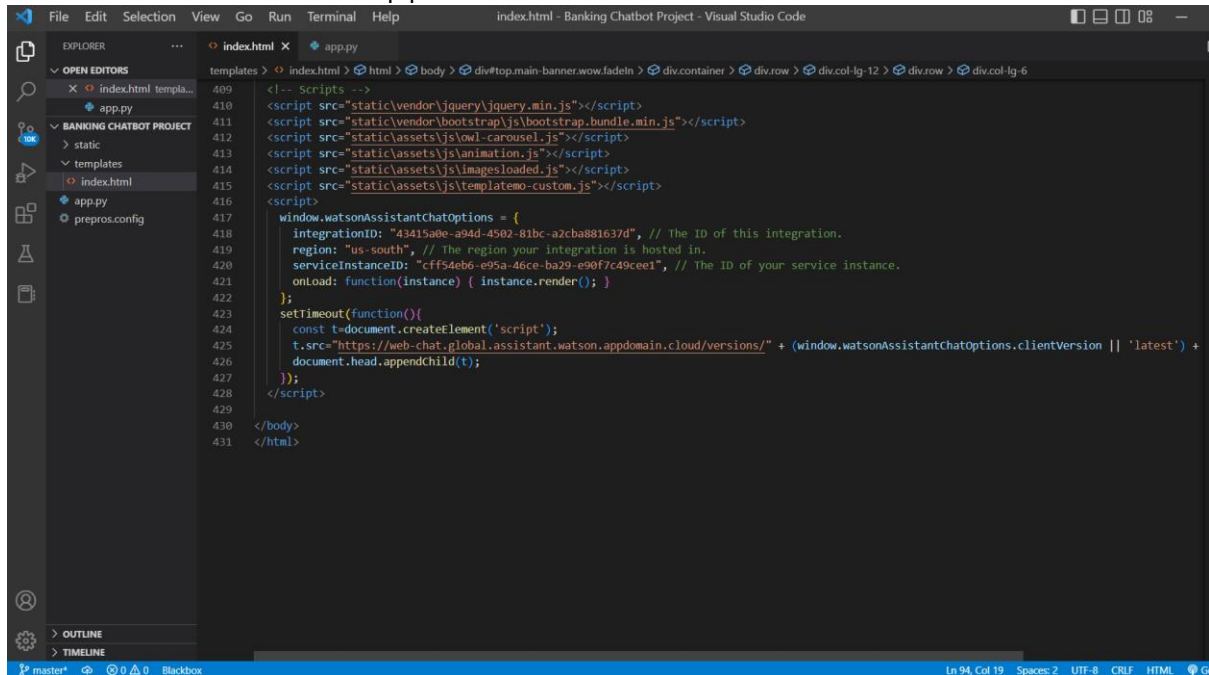
### 3: Routing to the Html Page

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.

### Main Function

This is used to run the application in localhost.



```
File Edit Selection View Go Run Terminal Help
index.html - Banking Chatbot Project - Visual Studio Code

EXPLORER
  index.html
  app.py
  static
  templates
    index.html
  app.py
  prepros.config

BANKING CHATBOT PROJECT
  static
  templates
    index.html
  app.py
  prepros.config

index.html
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<!-- Scripts -->
<script src="static/vendor/jquery/jquery.min.js"></script>
<script src="static/vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
<script src="static/assets/js/owl-carousel.js"></script>
<script src="static/assets/js/animation.js"></script>
<script src="static/assets/js/imagesloaded.js"></script>
<script src="static/assets/js/templatemo-custom.js"></script>
<script>
  window.watsonAssistantChatOptions = {
    integrationID: "43415a0e-a94d-4502-81bc-a2cba881637d", // The ID of this integration.
    region: "us-south", // The region your integration is hosted in.
    serviceInstanceID: "cfff54eb6-e95a-46ce-ba29-e90f7c49cee1", // 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') +
    document.head.appendChild(t);
  });
</script>
</body>
</html>
```

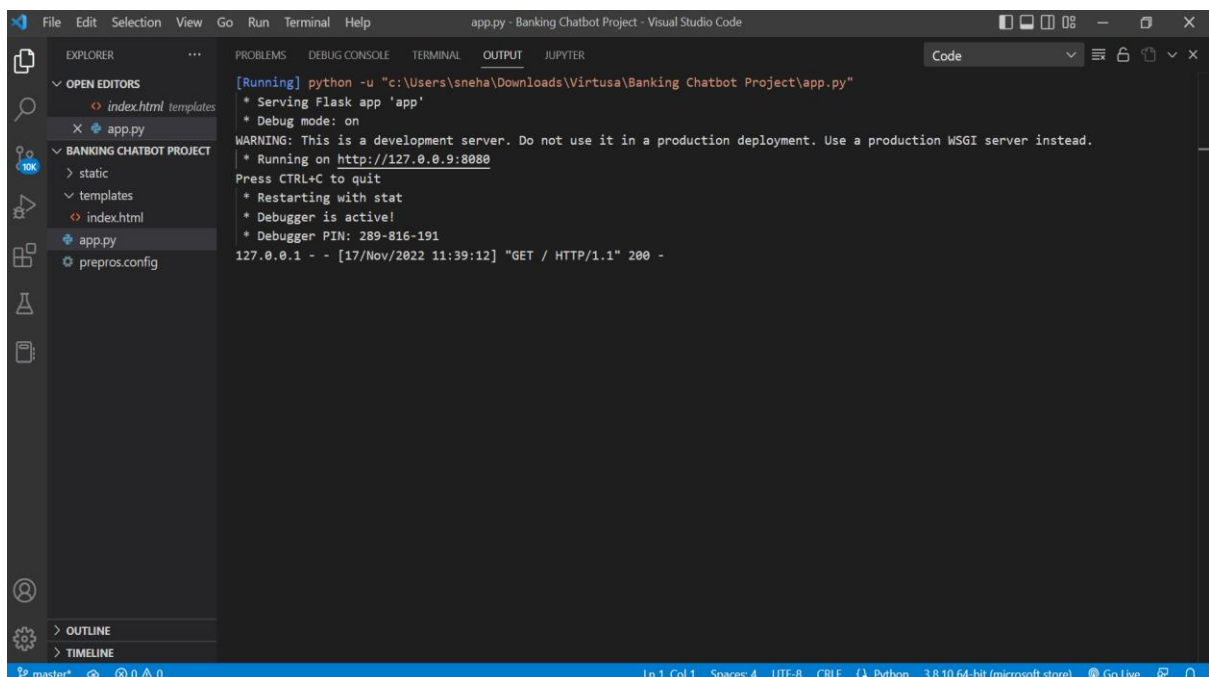
# Run The Application

## Run the application

- Navigate to the folder where your app.py resides.
- Now type the “python app.py” command.
- It will show the local host where your app is running on <http://127.0.0.1:5000/>
- Copy that localhost URL and open that URL in the browser. It does navigate me to where you can view your web page.

Then it will run on localhost:5000

Navigate to the localhost (<http://127.0.0.9:8080/>) where you can view your web page.



```
File Edit Selection View Go Run Terminal Help
app.py - Banking Chatbot Project - Visual Studio Code

EXPLORER
  index.html
  app.py
  static
  templates
    index.html
  app.py
  prepros.config

BANKING CHATBOT PROJECT
  static
  templates
    index.html
  app.py
  prepros.config

index.html
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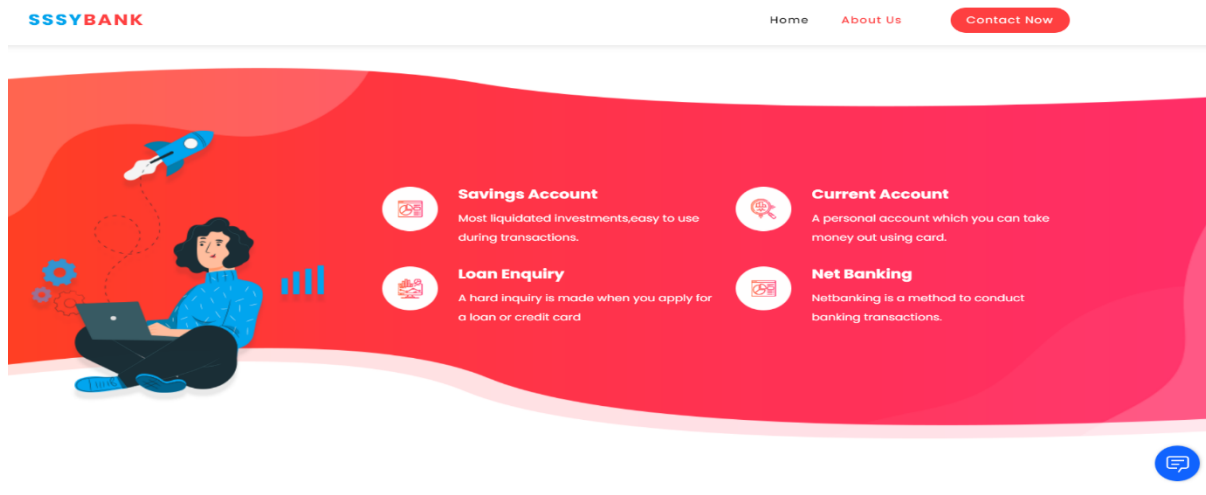
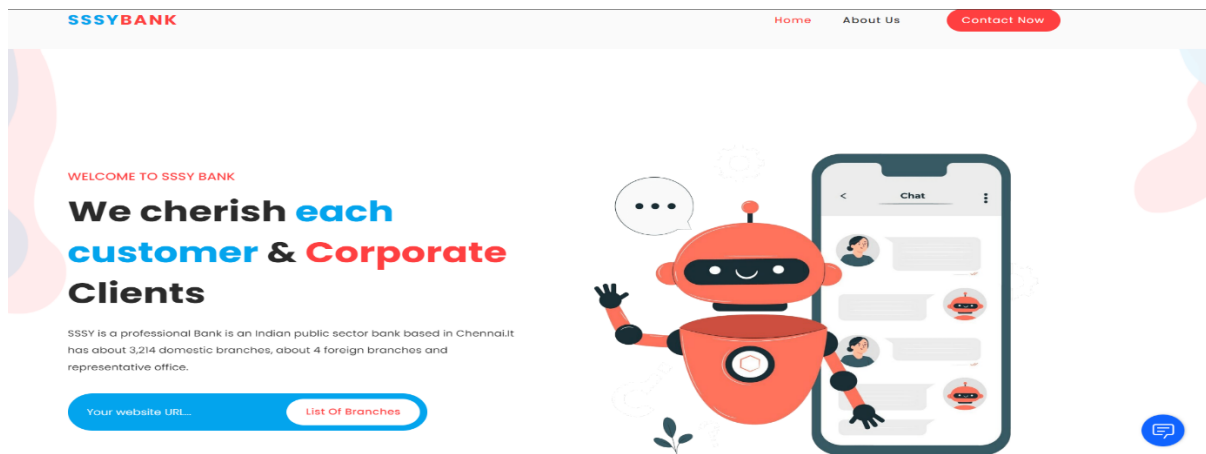
<!-- Scripts -->
<script src="static/vendor/jquery/jquery.min.js"></script>
<script src="static/vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
<script src="static/assets/js/owl-carousel.js"></script>
<script src="static/assets/js/animation.js"></script>
<script src="static/assets/js/imagesloaded.js"></script>
<script src="static/assets/js/templatemo-custom.js"></script>
<script>
  window.watsonAssistantChatOptions = {
    integrationID: "43415a0e-a94d-4502-81bc-a2cba881637d", // The ID of this integration.
    region: "us-south", // The region your integration is hosted in.
    serviceInstanceID: "cfff54eb6-e95a-46ce-ba29-e90f7c49cee1", // 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') +
    document.head.appendChild(t);
  });
</script>
</body>
</html>

PROBLEMS
DEBUG CONSOLE
TERMINAL
OUTPUT
JUPYTER

Code

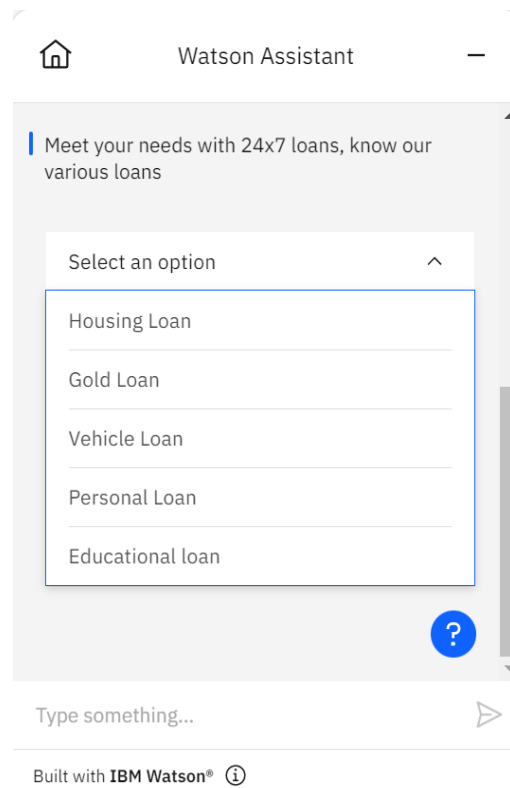
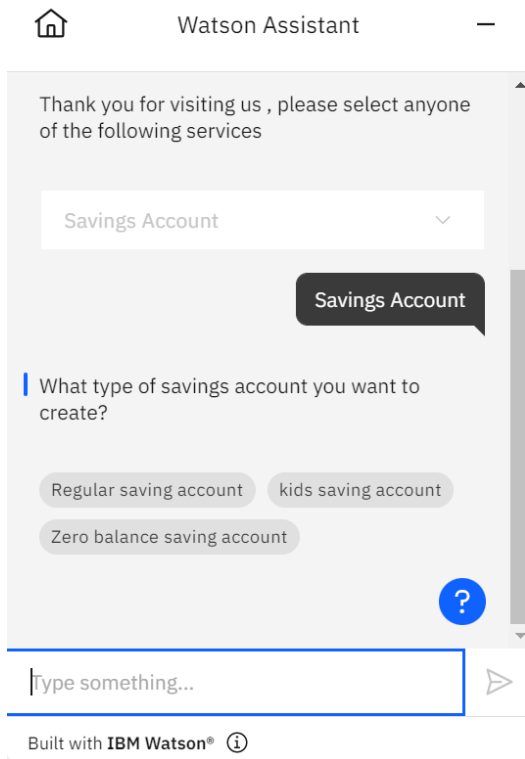
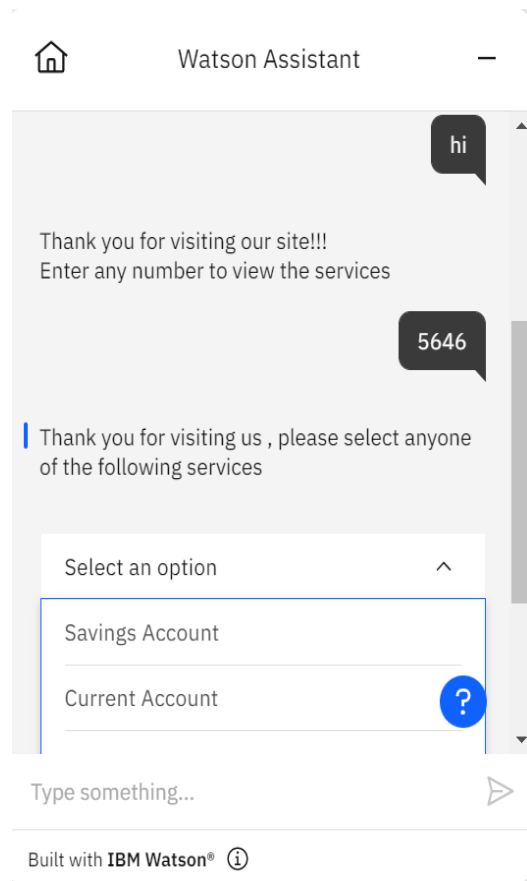
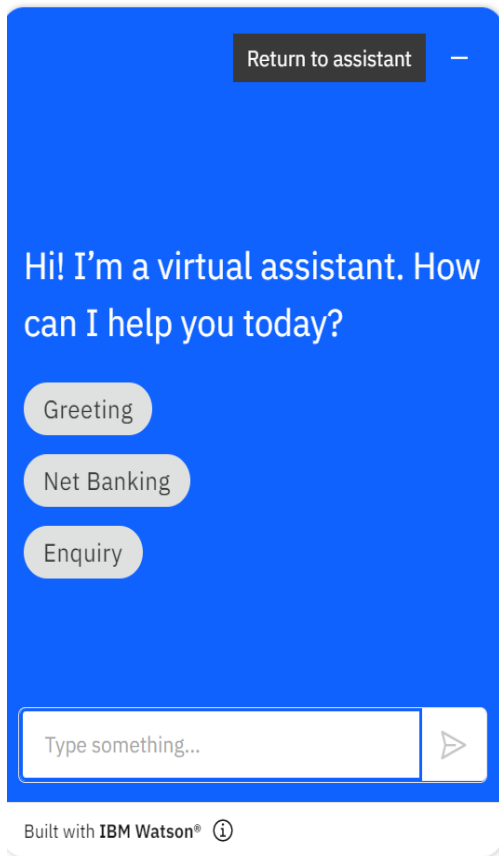
[Running] python -u "c:\Users\sneha\Downloads\Virtusa\Banking Chatbot Project\app.py"
* Serving Flask app 'app'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.9:8080
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 289-816-191
127.0.0.1 - - [17/Nov/2022 11:39:12] "GET / HTTP/1.1" 200 -
```

# Output(HTML Page):



## See What Our Bank Offers & What We Provide









Personal Loan

New customers applying for a personal loan need to submit just their basic identity and financial documents. These include:

- 2 passport-size photographs
- KYC documents – Aadhaar card, PAN card, voter ID, driving licence, passport
- Bank account statements for three months
- Salary slips for the last two months

Our bank offers pre-approved personal loans to special customers. If you qualify for a pre-approved offer, you may not need to submit any documents or additional paperwork. You can get the funds in just 30 minutes.

To avail personal loan please enter your number!!!



Type something...

