

## Project Development Phase

### Delivery of Sprint - 4

Date	04 November 2022
Team ID	PNT2022TMID00318
Project Name	AI based discourse for Banking Industry

### Creating Assistant & Integrate With Flask Web Page

Let us build our flask application which will be running in our local browser as an userinterface.

In the flask application, users will interact with the chat bot, and based on the user queriesthey will get the chatbotresponses.

### Building Python Code

#### 1: Importing Libraries

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

```
from flask import Flask, render_template
```

Importing the flask module into the project is mandatory. An object of theFlask class is ourWSGI application. Flask constructortakes the name of thecurrentmodule ( name ).

#### 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 createdearlier.

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.html')
```

### Main Function

This is used to run the application in local host.

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

### Building HTML Code

We have used HTML to create the front-end part of the web page.

Here, we have created “index.html” displays the home page which gets integrated with WatsonAssistant.

Auto-generated source code which contains the Integration ID of IBM Watson Assistants is copied and pasted inside the body tag.

### Run the application

Open Visual Studio Code

Navigate to the folder where app.ipynb resides.

Run the python code

Open a browser and type this URL <https://127.0.0.1:5000/>

It launches the application integrated with IBM Watson Assistant.

app.ipynb - AI based discourse for Banking Industry - Visual Studio Code

```
from flask import Flask, render_template

app = Flask(__name__)

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

if __name__ == "__main__":
    app.run(debug=True, use_reloader=False)
```

Output exceeds the [size limit](#). Open the full output data [in a text editor](#)

WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.

\* Running on http://127.0.0.1:5000

Press CTRL+C to quit

127.0.0.1 - - [07/Nov/2022 19:05:27] "GET / HTTP/1.1" 200 -

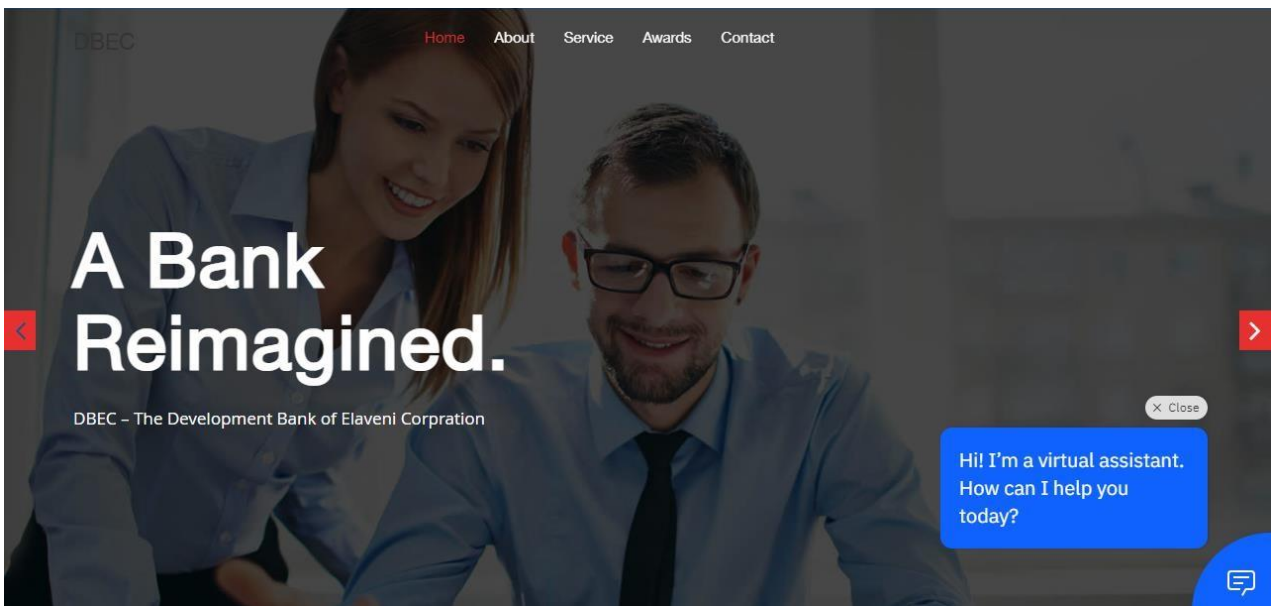
127.0.0.1 - - [07/Nov/2022 19:05:28] "GET /static/css/style.css HTTP/1.1" 304 -

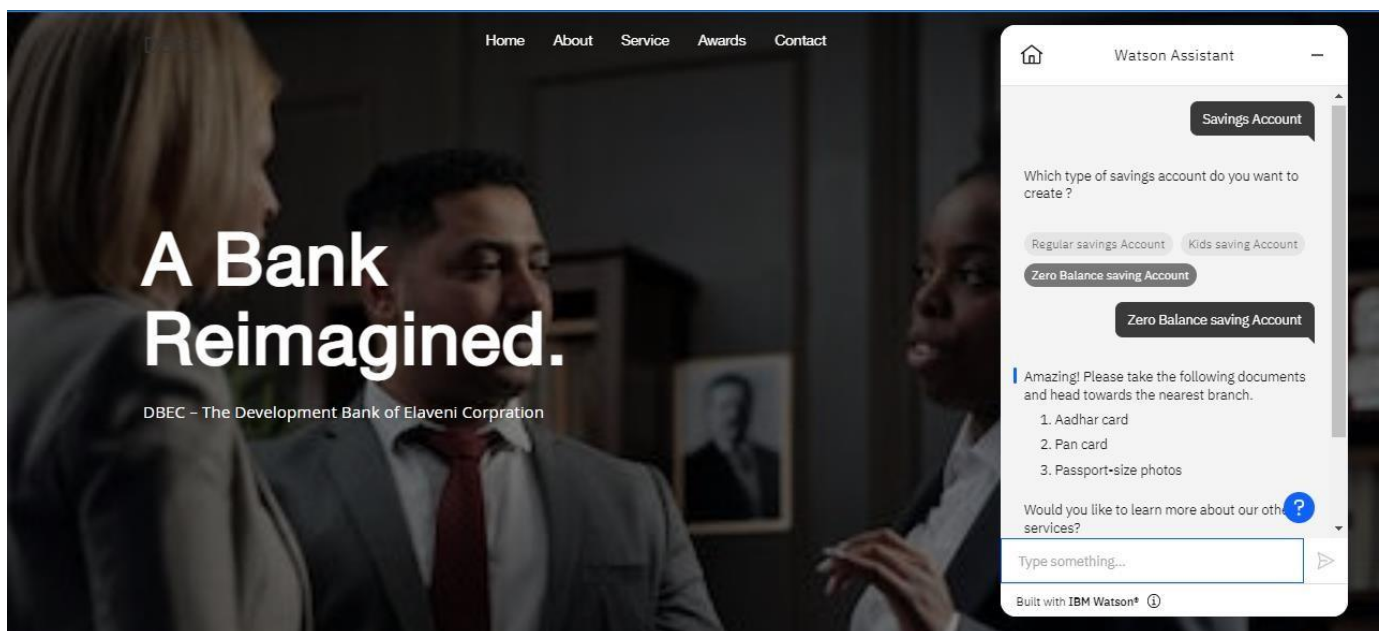
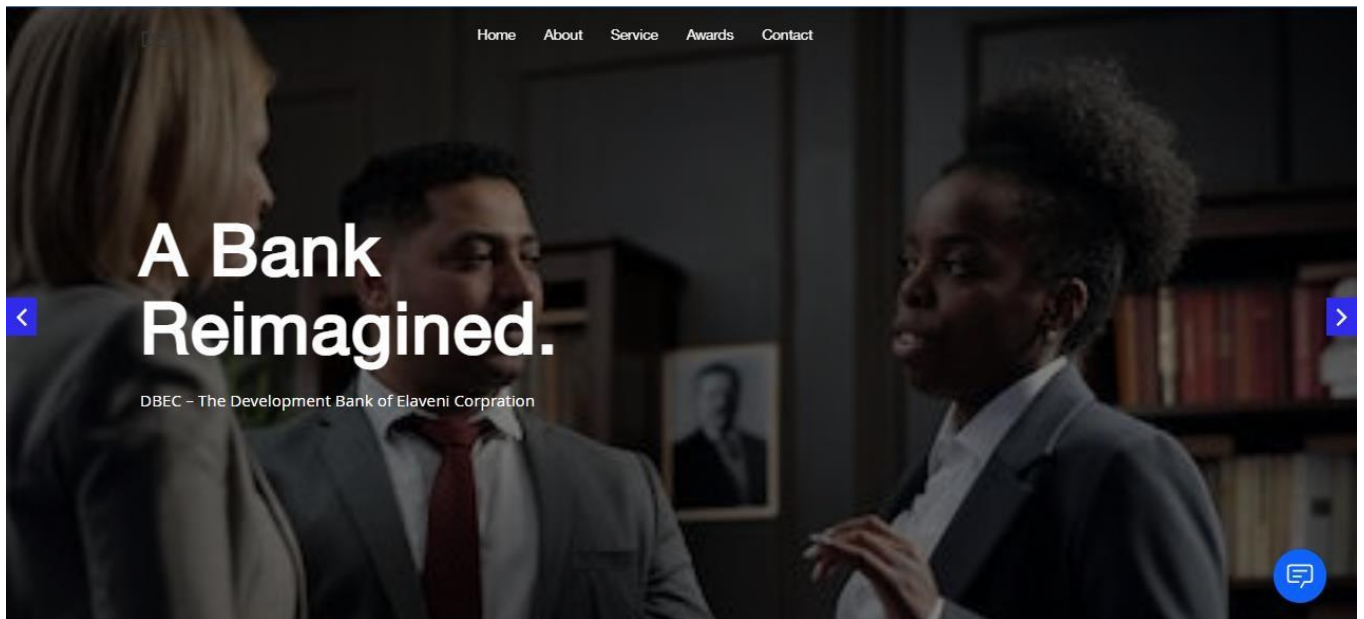
127.0.0.1 - - [07/Nov/2022 19:05:28] "GET /static/css/owl.carousel.css HTTP/1.1" 304 -

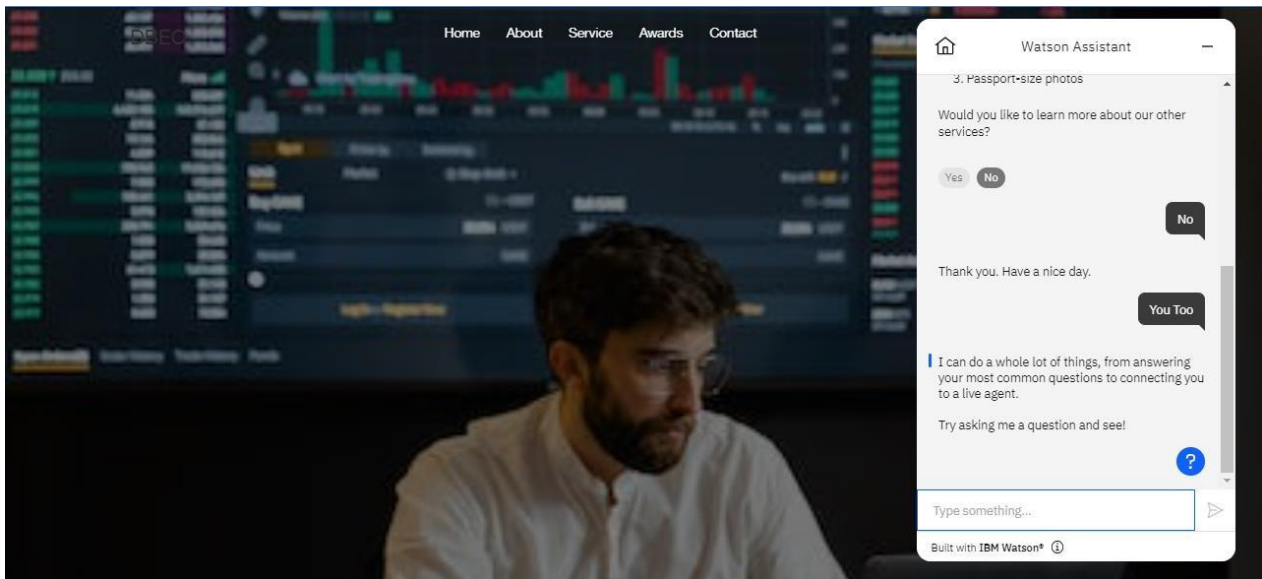
127.0.0.1 - - [07/Nov/2022 19:05:28] "GET /static/css/owl.theme.css HTTP/1.1" 304 -

127.0.0.1 - - [07/Nov/2022 19:05:28] "GET /static/css/owl.transitions.css HTTP/1.1" 304 -

127.0.0.1 - - [07/Nov/2022 19:05:28] "GET /static/js/jquery.min.js HTTP/1.1" 304 -







## OUR TEAM

			
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IBM Watson Assistant LiteUpgradeAI based discou...Learning center

Actions

Actions

Created by you

Set by assistant

Variables

Created by you

Set by assistant

Set by integration

Saved responses

Name	Last edited	
End	2 days ago	
Index	2 days ago	fx
Enquiry	2 days ago	1
Savings	2 days ago	1
End Greeting	2 days ago	7
Loan	2 days ago	1

Items per page: 50Showing 1–10 of 10 actions

Preview

Greet customer (default)

Welcome, how can I assist you?

Hello

Greeting recognized

Welcome!!! Good to see you.

go to Index

How can I help you?

Loan Enquiry

Use the up arrow for prior messages

Actions

Created by you

Set by assistant

Variables

Created by you

Set by assistant

Set by integration

Saved responses

Name	Last edited	
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Loan	2 days ago	1

Items per page: 50Showing 1–10 of 10 actions

Preview

go to Loan

What type of loan your looking for?

Vehicle loan

Vehicle loan

To check for vehicle loan status visit our branch manager with all documents regarding your previous loans and with estimated bill copy of your vehicle and all details regarding your new vehicle

Use the up arrow for prior messages