

Project Development Phase

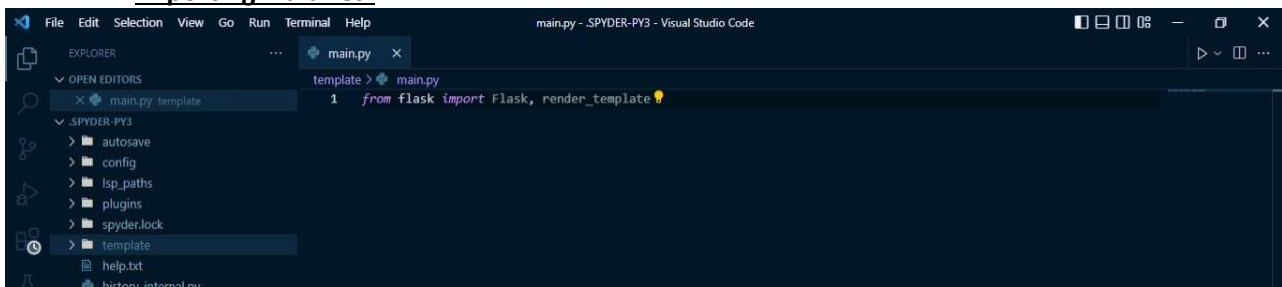
Sprint 3

Date	12 November 2022
Team ID	PNT2022TMID37484
Project Name	AI Based Discourse on Banking Industry

Screenshots of Sprint 3 Tasks:

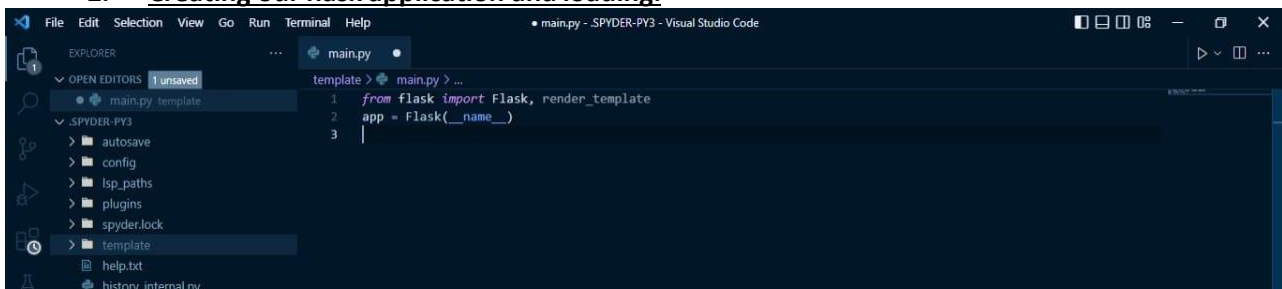
Build Python Code:

1. Importing Libraries:



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

2. Creating our flask application and loading:



```
1 from flask import Flask, render_template
2 app = Flask(__name__)
3
```

3. Routing to the HTML Page:



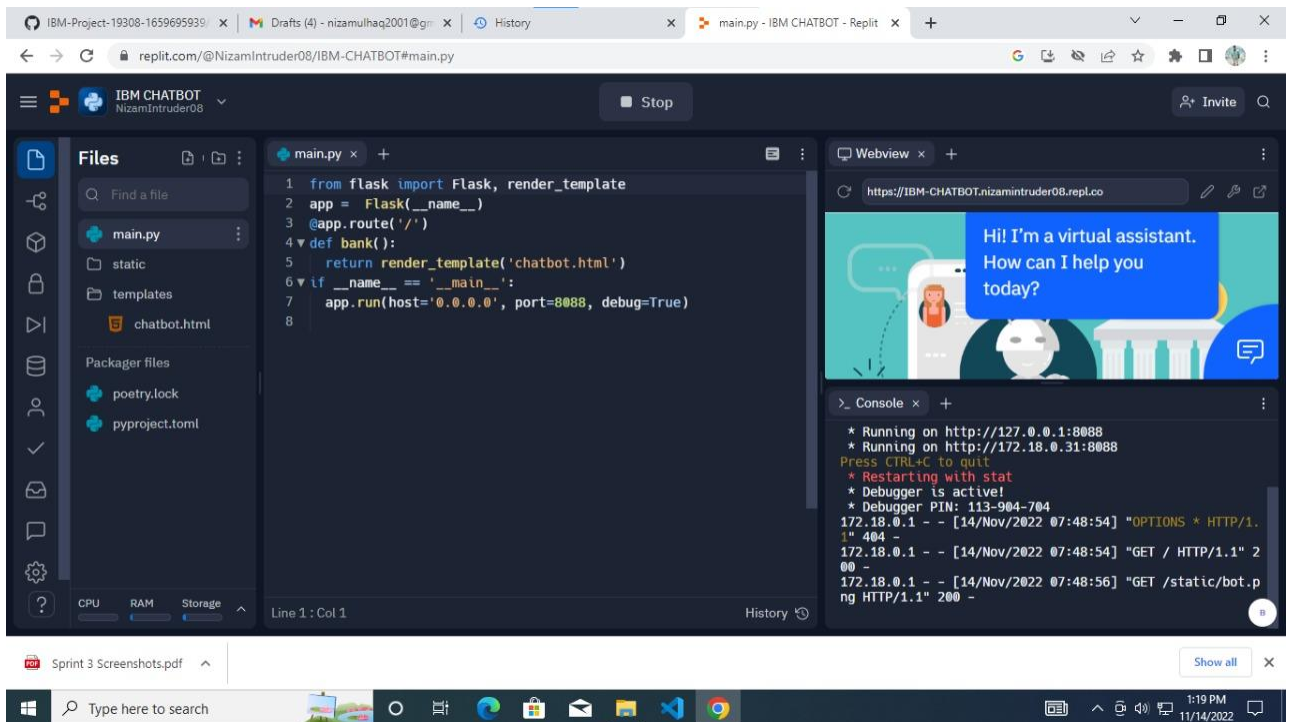
```
1 from flask import Flask, render_template
2 app = Flask(__name__)
3 @app.route('/')
4 def bank():
5     return render_template('chatbot.html')
6 if __name__ == '__main__':
7     app.run()
8
```

4. Main Function:



```
1 from flask import Flask, render_template
2 app = Flask(__name__)
3 @app.route('/')
4 def bank():
5     return render_template('chatbot.html')
6
```

Run the Application:



The screenshot shows a web browser window displaying a Replit IDE interface. The browser's address bar shows the URL `replit.com/@NizamIntruder08/IBM-CHATBOT#main.py`. The IDE has a dark theme and includes a file explorer on the left, a code editor in the center, and a webview and console on the right.

Files:

- main.py
- static
- templates
- chatbot.html
- Packager files
 - poetry.lock
 - pyproject.toml

Code (main.py):

```
1 from flask import Flask, render_template
2 app = Flask(__name__)
3 @app.route('/')
4 def bank():
5     return render_template('chatbot.html')
6 if __name__ == '__main__':
7     app.run(host='0.0.0.0', port=8088, debug=True)
8
```

Webview:

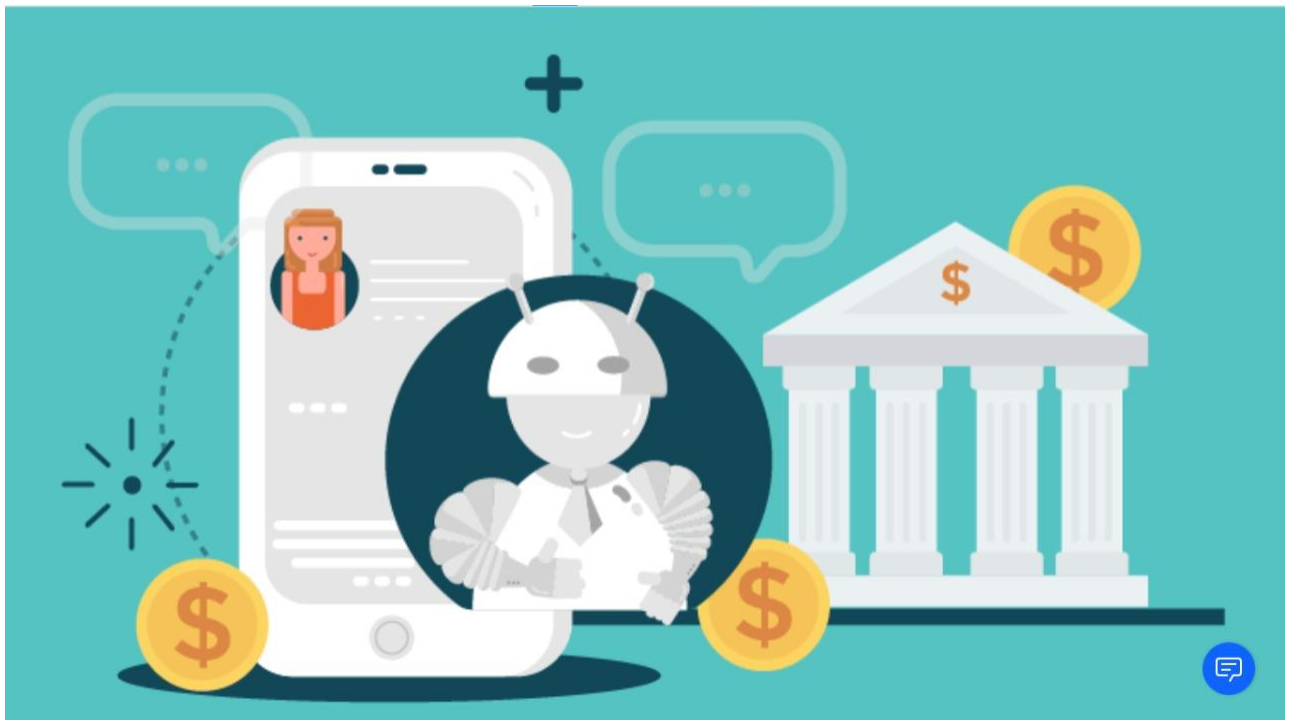
`https://IBM-CHATBOT.nizamintruder08.repl.co`

The webview displays a chatbot interface with a blue header and a white chat bubble containing the text: "Hi! I'm a virtual assistant. How can I help you today?".

Console:

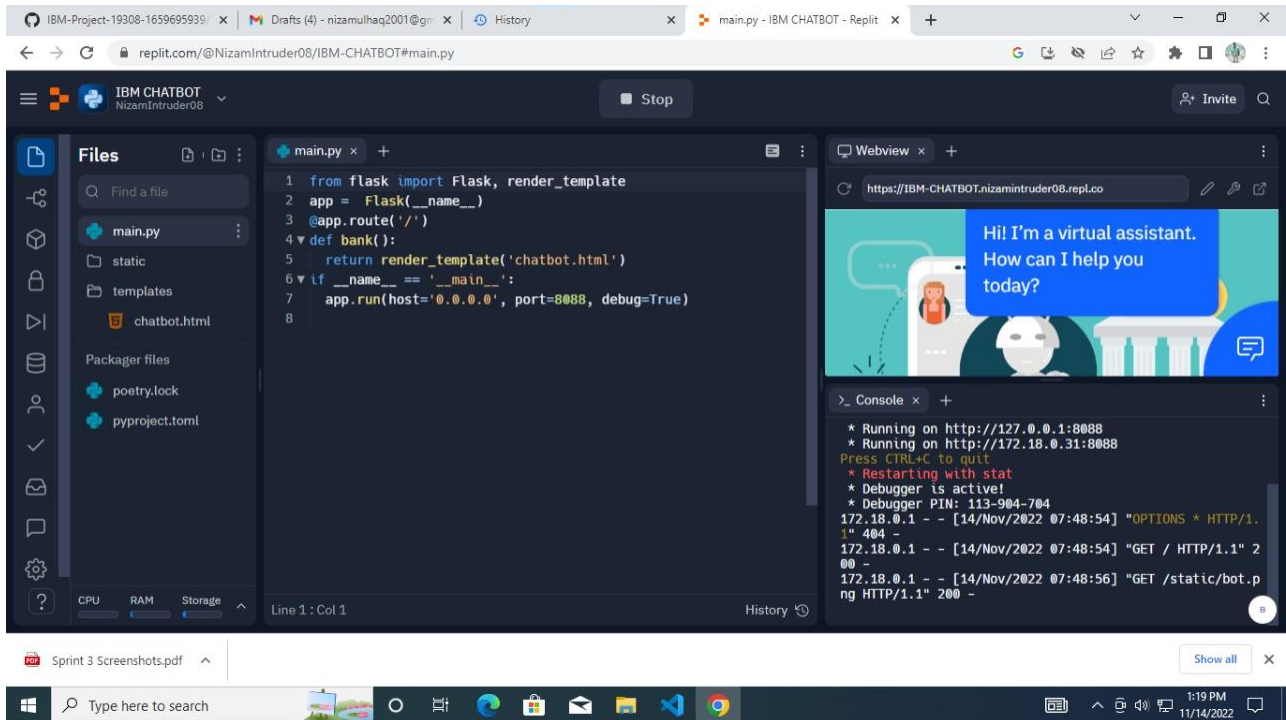
```
* Running on http://127.0.0.1:8088
* Running on http://172.18.0.31:8088
Press CTRL+C to quit
* Restarting with stat
* Debugger is active!
* Debugger PIN: 113-904-704
172.18.0.1 - - [14/Nov/2022 07:48:54] "OPTIONS * HTTP/1.1" 404 -
172.18.0.1 - - [14/Nov/2022 07:48:54] "GET / HTTP/1.1" 200 -
172.18.0.1 - - [14/Nov/2022 07:48:56] "GET /static/bot.png HTTP/1.1" 200 -
```

The Windows taskbar at the bottom shows the time as 1:19 PM on 11/14/2022.



Deploying the Flask Application on Replit:

<https://ibm-chatbot.nizamintruder08.repl.co/>



The screenshot displays a Replit IDE interface for a project named "IBM CHATBOT" by user "NizamIntruder08". The left sidebar shows a file explorer with "main.py", "static", "templates", and "chatbot.html". The main editor shows the following Python code in "main.py":1 from flask import Flask, render_template
2 app = Flask(__name__)
3 @app.route('/')
4 def bank():
5 return render_template('chatbot.html')
6 if __name__ == '__main__':
7 app.run(host='0.0.0.0', port=8088, debug=True)
8The right sidebar features a "Webview" showing the deployed application at <https://IBM-CHATBOT.nizamintruder08.repl.co>. The application displays a chatbot interface with a greeting: "Hi! I'm a virtual assistant. How can I help you today?". Below the webview is a console window showing the application's runtime logs, including the Flask server starting on http://127.0.0.1:8088 and http://172.18.0.31:8088, and handling HTTP requests.

