

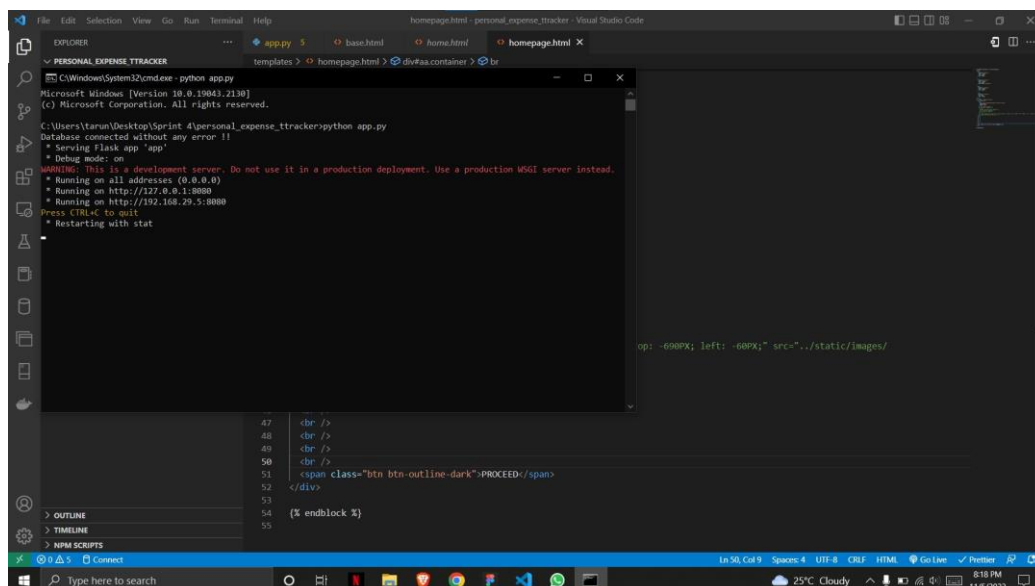
## Sprint - 3

Team ID	PNT2022TMID00673
Project Name	Personal Expense Tracker Application
Team Members	Shirly N, Shangeetha J, Rathika C, Sujithra J

In this Sprint, IBM Watson Assistant Chatbot is integrated into our project. The user can add his daily expenses and also can see the history of his expenses. The user can set the expense limit and when he tries to exceed the limit he receives an alert email from the application stating that his limit is exceeded. And also reports are generated for the expenses.

## Screenshots of Sprint 3

### 1. Running the flask



The screenshot shows a Visual Studio Code window with a terminal running a Flask application. The terminal output indicates that the application is running successfully on all addresses (0.0.0.0) and is accessible at http://127.0.0.1:5000 and http://192.168.29.5:5000. The code editor shows the homepage.html file with HTML code for a button labeled 'PROCEED'.

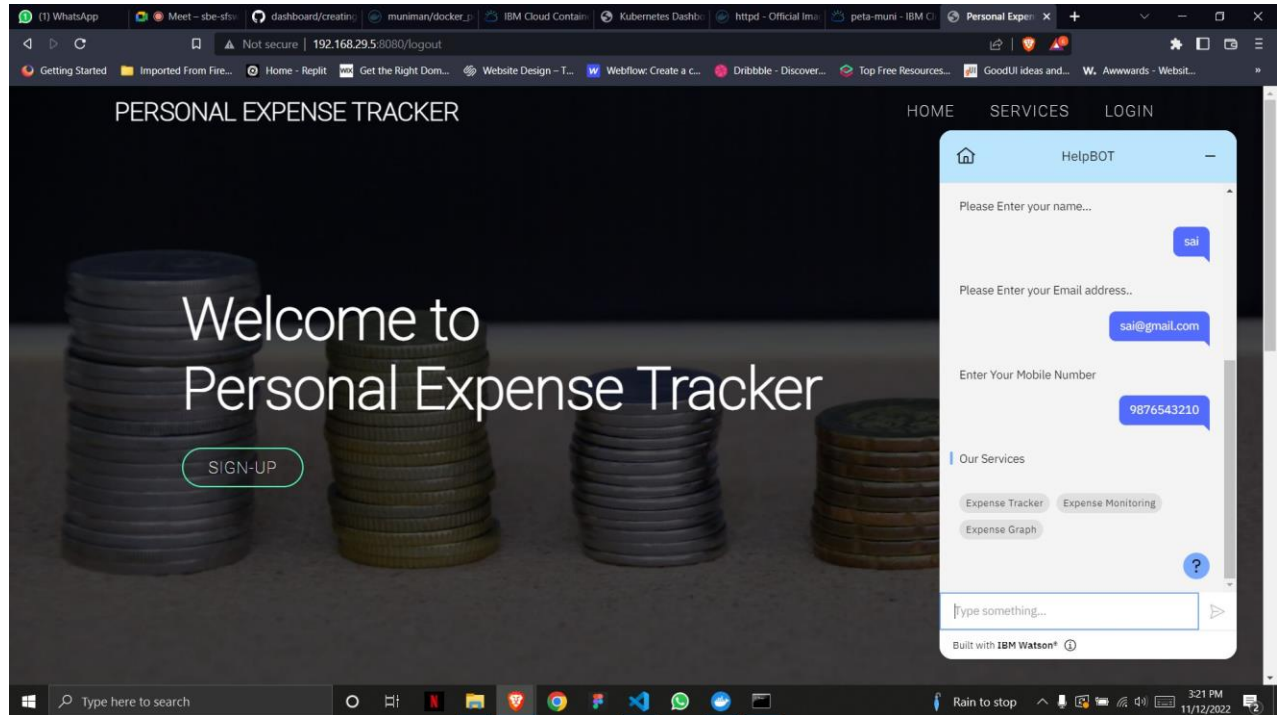
```
File Edit Selection View Go Run Terminal Help
homepage.html - personal_expense_tracker - Visual Studio Code
EXPLORER
PERSONAL EXPENSE TRACKER
C:\Users\stam\Desktop\Sprint 3\personal_expense_tracker>python app.py
Microsoft Windows [Version 10.0.19043.2130]
(c) Microsoft Corporation. All rights reserved.

C:\Users\stam\Desktop\Sprint 3\personal_expense_tracker>python app.py
Database connected without any error !!
* 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 all addresses (0.0.0.0)
* Running on http://127.0.0.1:5000
* Running on http://192.168.29.5:5000
Press CTRL+C to quit
* Restarting with stat

47 <br />
48 <br />
49 <br />
50 <br />
51 <span class="btn btn-outline-dark">PROCEED</span>
52 </div>
53
54 {% endblock %}
55
```

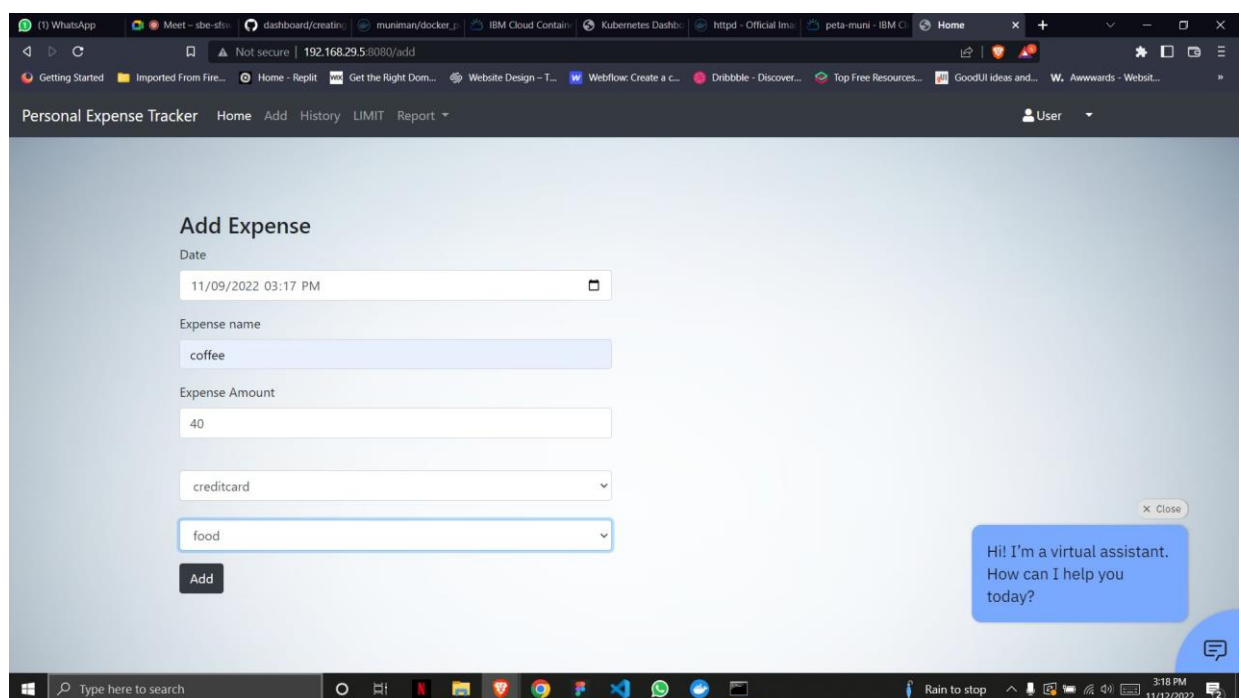
## 2. Home page with IBM Watson Assistant Chatbot

In this homepage we have integrated IBM Watson Assistant Chatbot. Here the users can know about the personal expense tracker application using the information given by the bot.



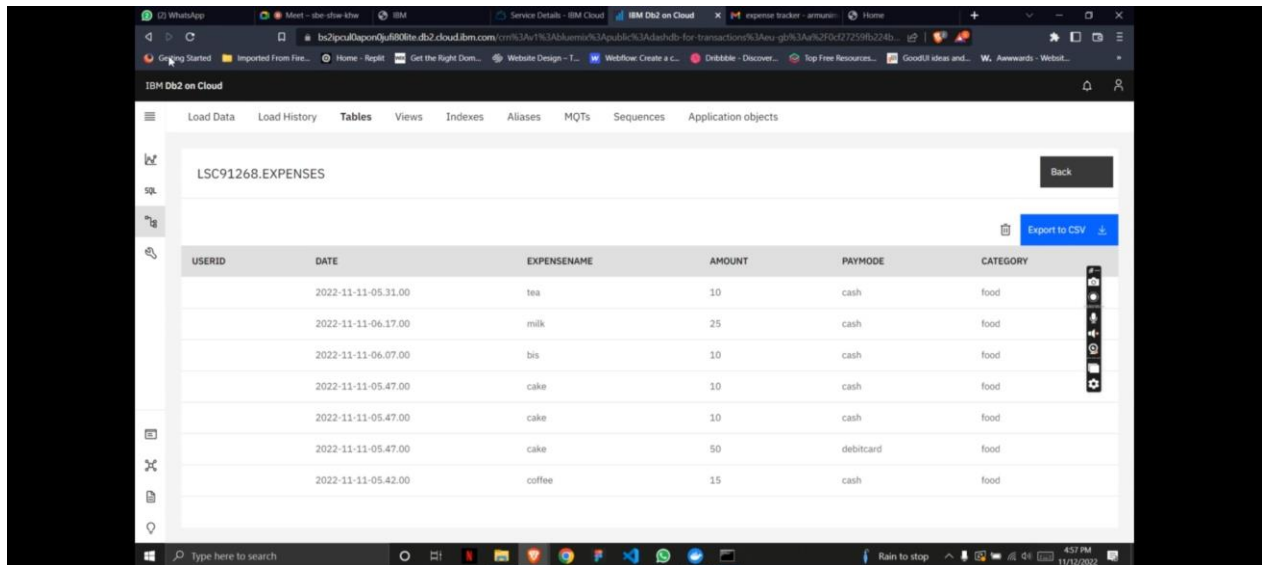
## 3. Adding Expenses

Here the users can add their expenses.



### 3. Storing the added expenses in the IBM database

Here the expenses are stored in the IBM Cloud database.

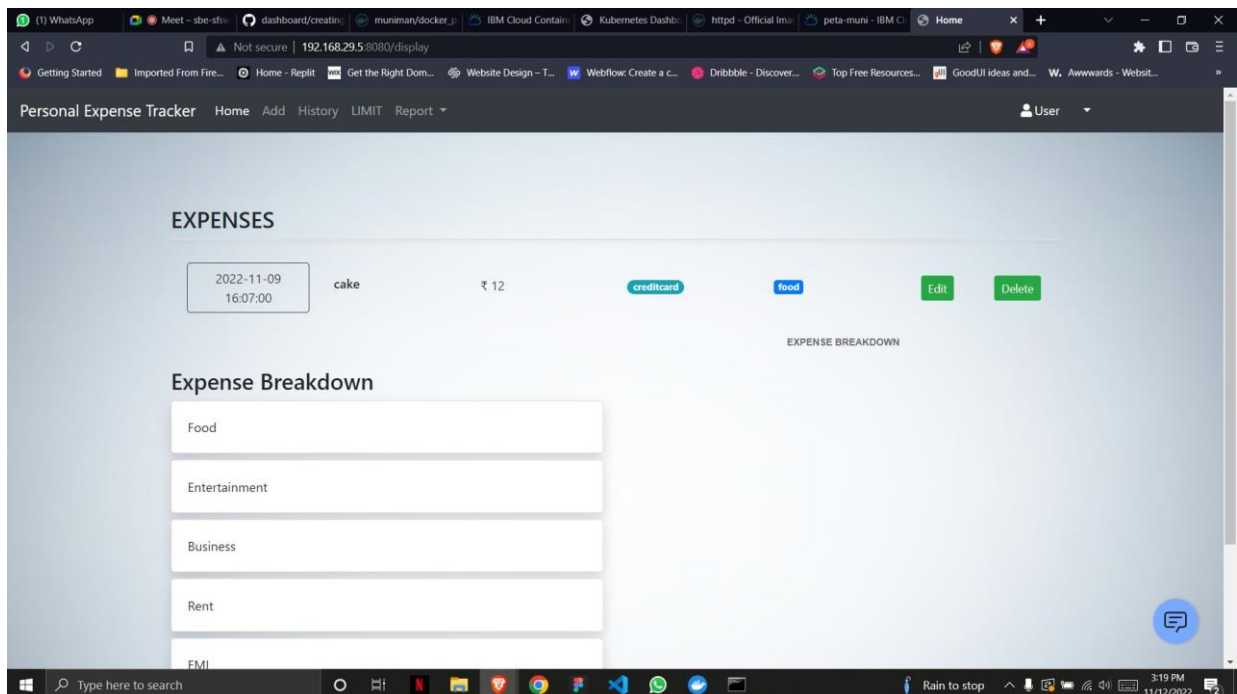


The screenshot shows the IBM Db2 on Cloud console. The table 'LSC91268.EXPENSES' is displayed with the following data:

USERID	DATE	EXPENSENAME	AMOUNT	PAYMODE	CATEGORY
	2022-11-11-05.31.00	tea	10	cash	food
	2022-11-11-06.17.00	milk	25	cash	food
	2022-11-11-06.07.00	bis	10	cash	food
	2022-11-11-05.47.00	cake	10	cash	food
	2022-11-11-05.47.00	cake	10	cash	food
	2022-11-11-05.47.00	cake	50	debitcard	food
	2022-11-11-05.42.00	coffee	15	cash	food

### 4. Viewing Expense History

Here the user can see all the history of the added expenses.



The screenshot shows a web application interface for a 'Personal Expense Tracker'. It displays a list of expenses and an 'Expense Breakdown' section.

**EXPENSES**

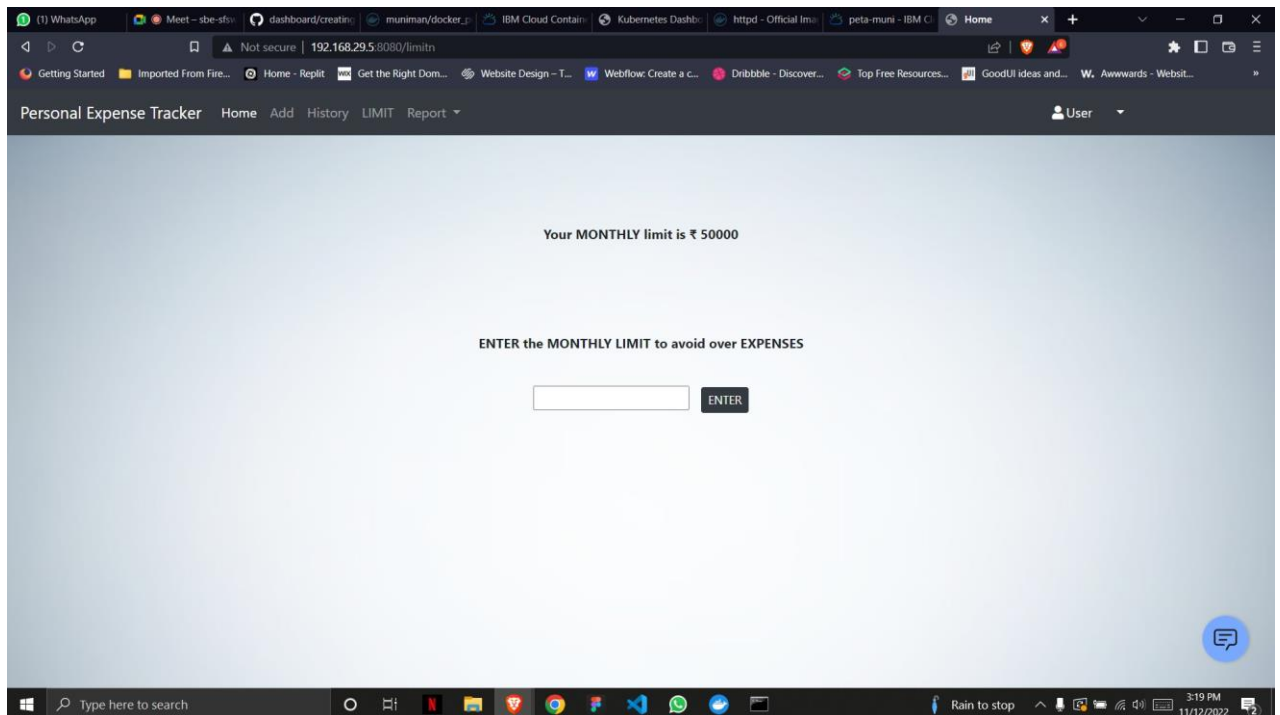
Date	Expense Name	Amount	Pay Mode	Category	Actions
2022-11-09 16:07:00	cake	₹ 12	creditcard	food	Edit Delete

**EXPENSE BREAKDOWN**

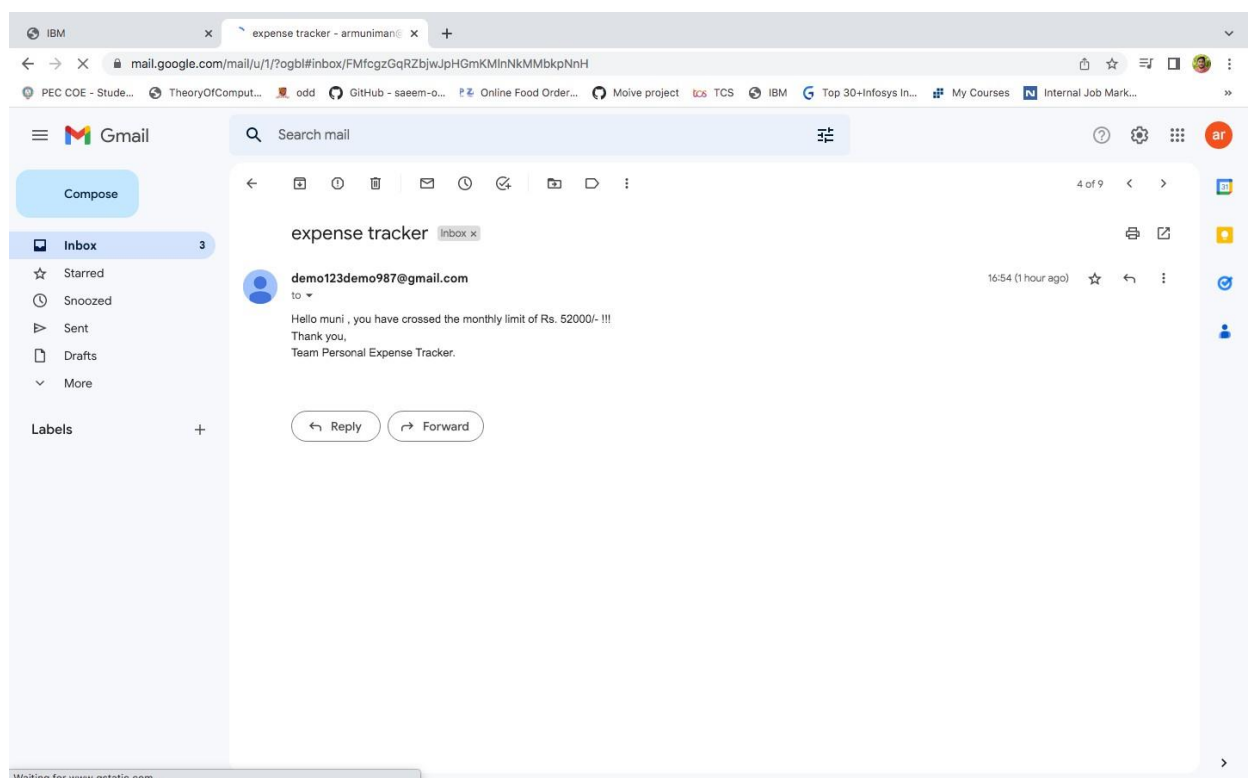
- Food
- Entertainment
- Business
- Rent
- FMI

## 5. Adding Limits

Here the user can set a new limit for his expenses. If the user exceeds the limit then the user will receive an email from the application stating that the expense limit is exceeded.

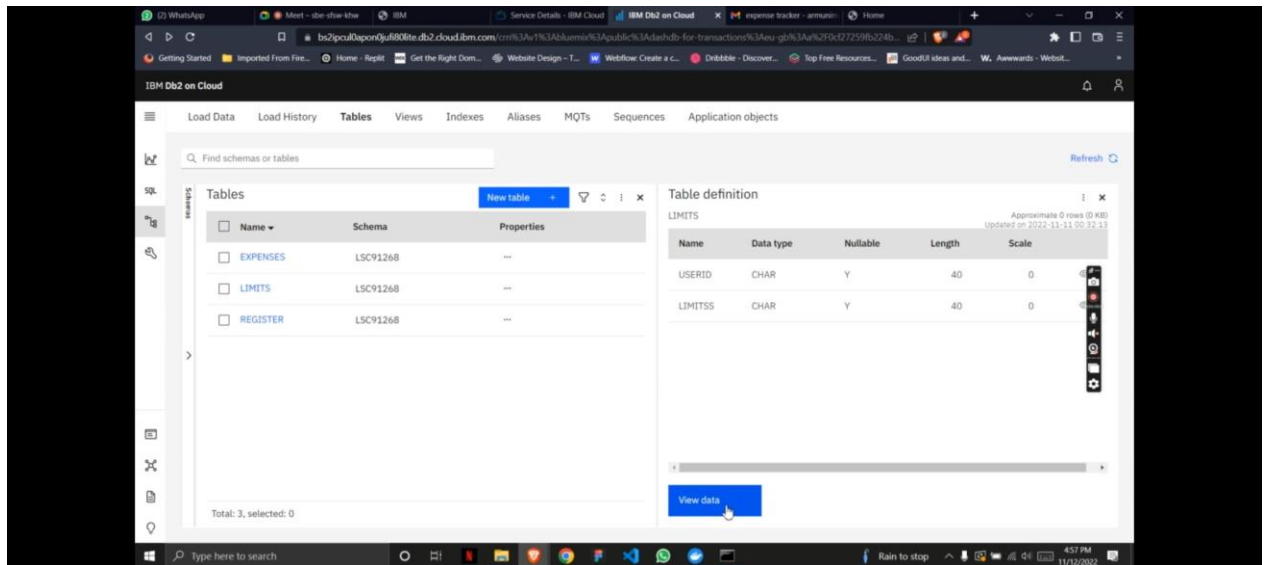


This is the mail that is sent to the user when he tries to exceed the expense limit.



## 6. Storing the expense limits in the IBM Database

Here the expenses limits are stored in the IBM Cloud Database.



## 7. Reports

Here the reports are generated according to the users expenses.

