

Project Development Phase

Sprint -2

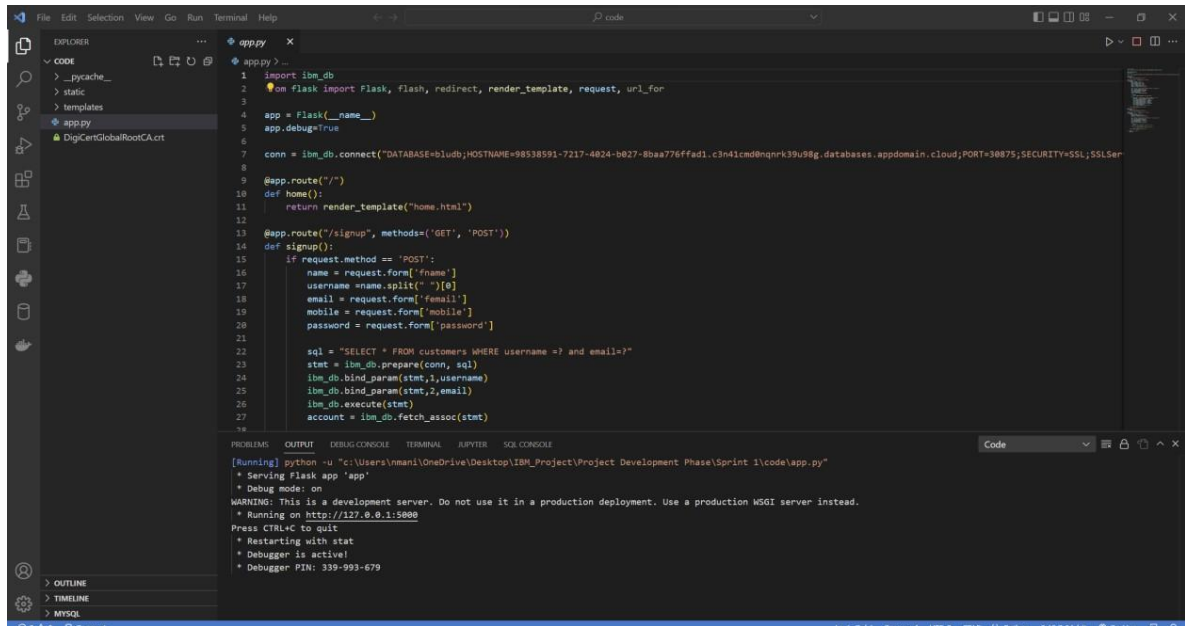
Date	17 November 2022
Team ID	PNT2022TMID03865
Project Name	Project – Personal Expense Tracker

In this Sprint, We made the dashboard page interactive and connected database for storing information

1. In dashboard, user can see the services provided by the application it contains these services.
 - (1) Add expenses - which have two ways to add which are add manually and add using CSV file.
 - (2) Budget Management – This is used to set limit for month and year.
 - (3) Charts – It has two categories monthly chart and yearly chart.
 - (4) Table – It shows all the user expenses uploaded in the database.
2. Dashboard contains two pie charts which tell about the monthly and yearly expenses. It also has a card which shows the limit and money spent.
3. Three tables are used from IBM DB2 which are
 - (1) Limits - This stores expense limits (name, monthly limit, yearly limit)
 - (2) Expenses – This stores expenses data (name, amount, category, bill date, upload date, upload time).
 - (3) Customers- This stores user data (name, email, username, mobile no, password).
4. Profile section is created where user can see profile details.
5. Logout option is created to logout from the application.

Sprint -1 Screenshots:

Running flask application:



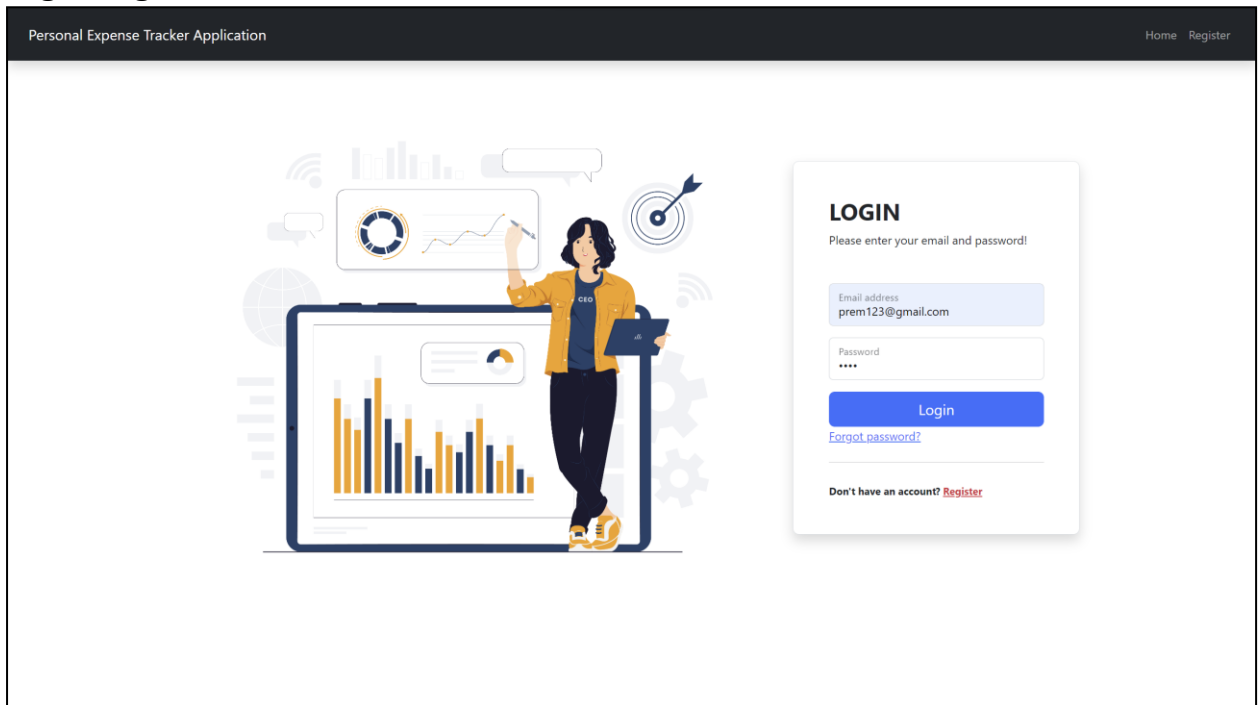
The screenshot shows a VS Code editor with a Flask application code in `app.py`. The code imports `ibm_db`, `Flask`, and other necessary modules. It sets up a database connection and defines routes for `home` and `signup`. The `signup` route handles user registration by inserting data into a `customers` table.

```
1 import ibm_db
2 from flask import Flask, flash, redirect, render_template, request, url_for
3
4 app = Flask(__name__)
5 app.debug=True
6
7 conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=98538591-7217-4824-b027-8baa776ffad1.c3n4icnd0nqnk39u98g.databases.apdomain.cloud;PORT=30875;SECURITY=SSL;SSLSer
8
9 @app.route("/")
10 def home():
11     return render_template("home.html")
12
13 @app.route("/signup", methods=('GET', 'POST'))
14 def signup():
15     if request.method == 'POST':
16         name = request.form['name']
17         username = name.split(" ")[0]
18         email = request.form['email']
19         mobile = request.form['mobile']
20         password = request.form['password']
21
22         sql = "SELECT * FROM customers WHERE username=? and email=?"
23         stmt = ibm_db.prepare(conn, sql)
24         ibm_db.bind_param(stmt,1,username)
25         ibm_db.bind_param(stmt,2,email)
26         ibm_db.execute(stmt)
27         account = ibm_db.fetch_assoc(stmt)
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```

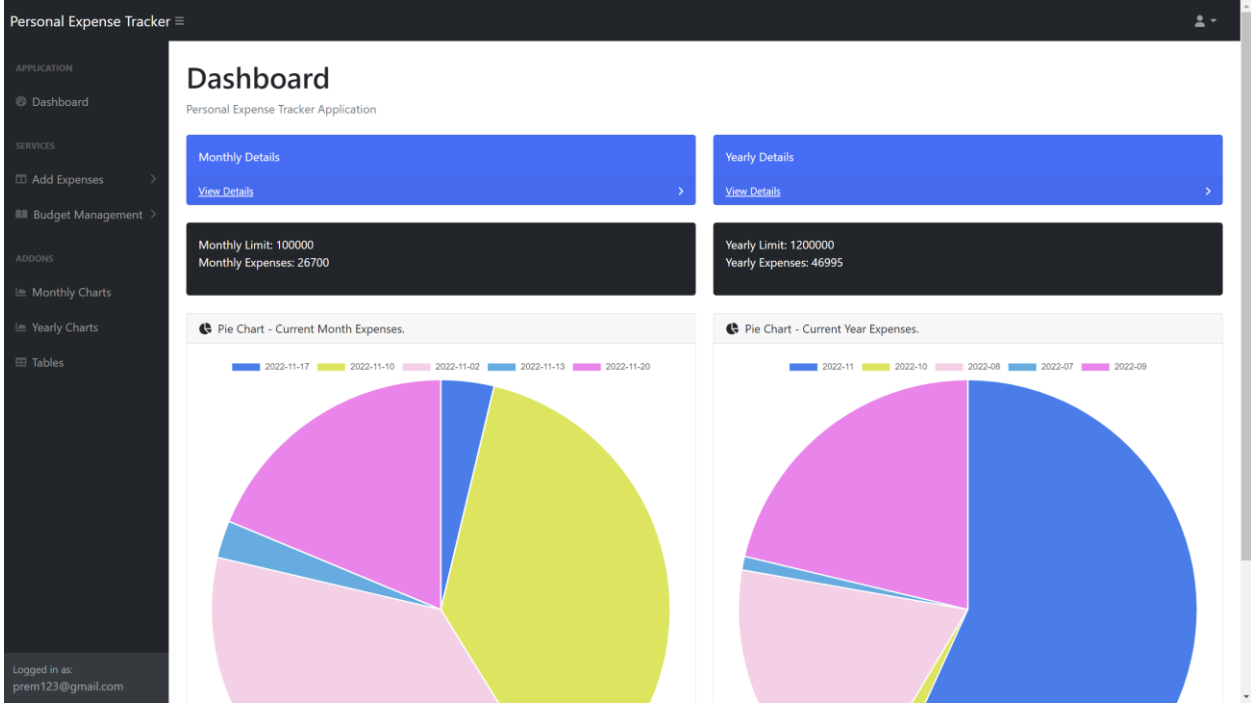
The terminal output shows the application running successfully on `http://127.0.0.1:5000`. It includes a warning about using a development server and a message indicating that the debugger is active.

```
[Running] python -u "c:\Users\manan\OneDrive\Desktop\IBM_Project\Project Development Phase\Sprint 1\code\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://127.0.0.1:5000
Press CTRL+C to quit
+ Restarting with stat
+ Debugger is active!
+ Debugger PIN: 339-993-679
```

Login Page:



Dashboard:



Profile:

Back

Account settings

Profile Photo

Accepted file type: .png, Less than 1MB

Upload

Name

Prem

Username

Prem

Email Address

prem123@gmail.com

Phone Number

9999999999

Save Changes

Cancel

Delete your account

Details about your company account and password

Delete

Add expenses --> Add expenses manually:

Personal Expense Tracker

APPLICATION

Dashboard

SERVICES

Add Expenses

Budget Management


ADDONS

Monthly Charts

Yearly Charts

Tables

Add Expenses Manually



ADD EXPENSES

Please add your expense according to inputs

Amount

1000

Shopping

▼

09-11-2022

📅

Add Expenses

Add expenses --> Add using CSV:

Personal Expense Tracker

APPLICATION

Dashboard

SERVICES

Add Expenses

Budget Management


ADDONS

Monthly Charts

Yearly Charts

Tables

Add Expenses using CSV file



ADD EXPENSES USING CSV FILES

Please upload csv file with proper table names as shown

1. Amount column.
2. Category column.
3. Date of Bill column.

Upload CSV File

Choose File

data-Prem.xlsx

Upload

Budget Management --> Setting Expense Limits:

Personal Expense Tracker

APPLICATION

Dashboard

SERVICES

Add Expenses

Budget Management


ADDONS

Monthly Charts

Yearly Charts

Tables

Setting limit for Expenses



SET LIMIT FOR EXPENSES

Add limits for your expenses

Monthly Limit100000

Yearly Limit1200000

Add Expenses

Monthly Charts:

Personal Expense Tracker

APPLICATION

Dashboard

SERVICES

Add Expenses

Budget Management

ADDONS

Monthly Charts

Yearly Charts

Tables

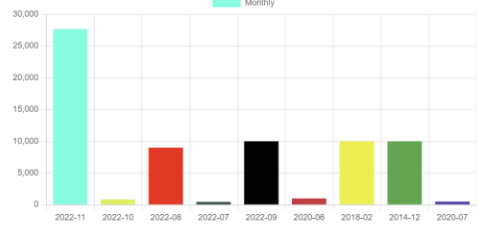
Monthly Expenses Details

Dashboard / Monthly Expense Details

In this section the below charts shows the monthly expenses and expenses according to the category. Monthly limit and monthly expenses are also shown here.

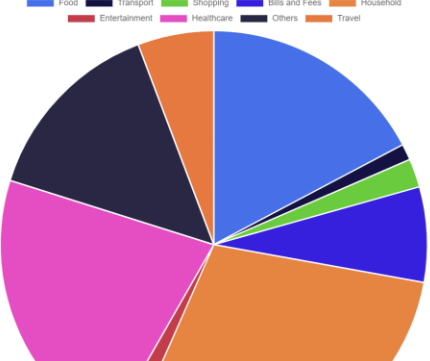
Bar Chart - Monthly Expenses

Total Expenses = 69495

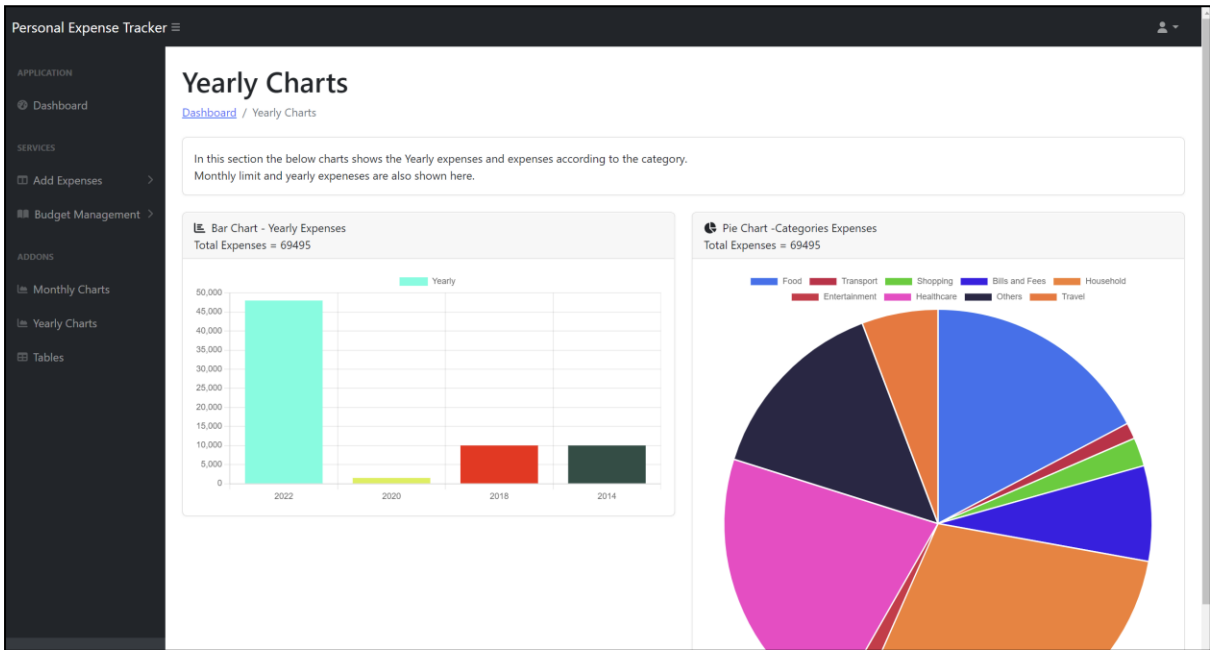


Pie Chart -Categories Expenses

Total Expenses = 69495



Yearly Charts:



Tables:

Personal Expense Tracker

Expense List

All the expenses can be seen here

S.No	User	Amount	Category	Bill Date	Uploaded Date
1	prem123@gmail.com	1000	Food	2022-11-17	2022-11-17
2	prem123@gmail.com	10000	Food	2022-11-10	2022-11-17
3	prem123@gmail.com	345	Transport	2022-10-31	2022-11-17
4	prem123@gmail.com	500	Shopping	2022-10-30	2022-11-17
5	prem123@gmail.com	5000	Bills and Fees	2022-08-30	2022-11-17
6	prem123@gmail.com	10000	Household	2022-11-02	2022-11-17
7	prem123@gmail.com	450	Entertainment	2022-07-18	2022-11-17
8	prem123@gmail.com	700	Entertainment	2022-11-13	2022-11-17
9	prem123@gmail.com	5000	Healthcare	2022-11-20	2022-11-17
10	prem123@gmail.com	10000	Household	2022-09-19	2022-11-17
11	prem123@gmail.com	1000	Food	2020-06-17	2022-11-17
12	prem123@gmail.com	10000	Others	2018-02-17	2022-11-17
13	prem123@gmail.com	10000	Healthcare	2014-12-17	2022-11-17
14	prem123@gmail.com	1000	Travel	2022-08-15	2022-11-17
15	prem123@gmail.com	1000	Travel	2022-08-15	2022-11-17
16	prem123@gmail.com	1000	Travel	2022-08-15	2022-11-17
17	prem123@gmail.com	1000	Travel	2022-08-15	2022-11-17

Logged in as: prem123@gmail.com

Databases:

IBM Db2 on Cloud

Load DataLoad HistoryTablesViewsIndexesAliasesMQTsSequencesApplication objects

Q Find schemas or tablesRefresh

Schemas

<input checked="" type="checkbox"/>	Name	Type	Tables
<input checked="" type="checkbox"/>	HHL91628	User	3

Total: 1, selected: 1

Tables

New table

<input type="checkbox"/>	Name	Schema	Properties
<input type="checkbox"/>	CUSTOMERS	HHL91628	...
<input type="checkbox"/>	EXPENSES	HHL91628	...
<input type="checkbox"/>	LIMITS	HHL91628	...

Total: 3, selected: 0

Table Customers:

IBM Db2 on Cloud

Load DataLoad HistoryTablesViewsIndexesAliasesMQTsSequencesApplication objects

HHL91628.CUSTOMERSBack

Export to CSV

NAME	USERNAME	EMAIL	MOBILENO	PASSWORD
Jhon	Jhon	Jhon@gmail.com	9857648672	Jhon@32424
Johnff	Johnff	hello	095026	cgtj
Johnff	Johnff	hello@sgaasdf	095026	sdatsf
Johnff	Johnff	hello@sga	095026	sdfa
Johnfffasd	Johnfffasd	hello@sgaasdfsdf	095026	sdfg
Mohith	Mohith	iammohith@gmail.com	0985764867	mohith
Mohith	Mohith	123@gmail.com	09502645945	sadf
Mohiths	Mohiths	nmani3008@gmail.com	0985764867	fsdafsad
Prem Kashyap	Prem	iamprem@gmail.com	8789806965	Prem@3456
Prem Kashyap	Prem	prem123@gmail.com	9999999999	prem
Prem Kashyap	Prem	prem@gmail.com	0985764867	prem
Prem Kashyap	Prem	123asdfsdf@gmail.com	0985764867	asdfsdf

Table Limits:

IBM Db2 on Cloud

Load Data Load History **Tables** Views Indexes Aliases MQTs Press F11 to exit full screen edit

HHL91628.LIMITS

Back

Export to CSV

NAME	MONTHLY_LIMIT	YEARLY_LIMIT
iammohith@gmail.com	100000	1200000
prem123@gmail.com	100000	1200000

Table Expenses:

IBM Db2 on Cloud

Load Data Load History **Tables** Views Indexes Aliases MQTs Sequences Application objects

HHL91628.EXPENSES

Back

Export to CSV

NAME	AMOUNT	CATEGORY	BILL_TIME	UPLOAD_DATE	UPLOAD_TIME
prem123@gmail.com	1000	Travel	2022-08-15	2022-11-17	14.38.13
prem123@gmail.com	10000	Healthcare	2014-12-17	2022-11-17	14.43.17
prem123@gmail.com	10000	Others	2018-02-17	2022-11-17	14.43.04
prem123@gmail.com	1000	Food	2020-06-17	2022-11-17	14.35.33
prem123@gmail.com	10000	Household	2022-09-19	2022-11-17	14.35.22
prem123@gmail.com	5000	Healthcare	2022-11-20	2022-11-17	14.35.11
prem123@gmail.com	700	Entertainment	2022-11-13	2022-11-17	14.34.54
prem123@gmail.com	450	Entertainment	2022-07-18	2022-11-17	14.34.43
prem123@gmail.com	10000	Household	2022-11-02	2022-11-17	14.34.33
prem123@gmail.com	5000	Bills and Fees	2022-08-30	2022-11-17	14.34.21
prem123@gmail.com	500	Shopping	2022-10-30	2022-11-17	14.34.10
prem123@gmail.com	345	Transport	2022-10-31	2022-11-17	14.33.40
prem123@gmail.com	10000	Food	2022-11-10	2022-11-17	14.33.32