

## Project Development Phase

### Sprint -2

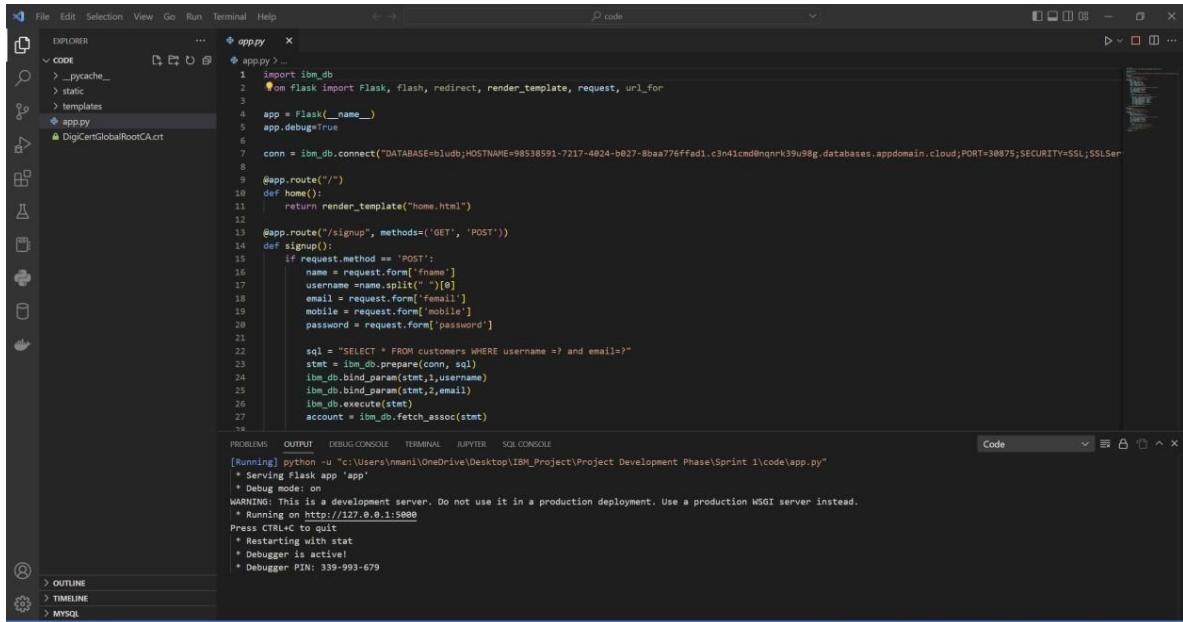
Date	17 November 2022
Team ID	PNT2022TMID29142
Project Name	Project – Personal Expense Tracker

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:



```
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.c3n41cmdnqnk39u98g.databases.apdomain.cloud;PORT=30875;SECURITY=SSL;SSLServerCertificate=bludb.pem", "", "")
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['fname']
17         username = name.split(" ")[0]
18         email = request.form['femail']
19         mobile = request.form['fmobile']
20         password = request.form['fpassword']
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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```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER SQL CONSOLE

[Running] python -u "c:\Users\man1\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://127.0.0.1:5800

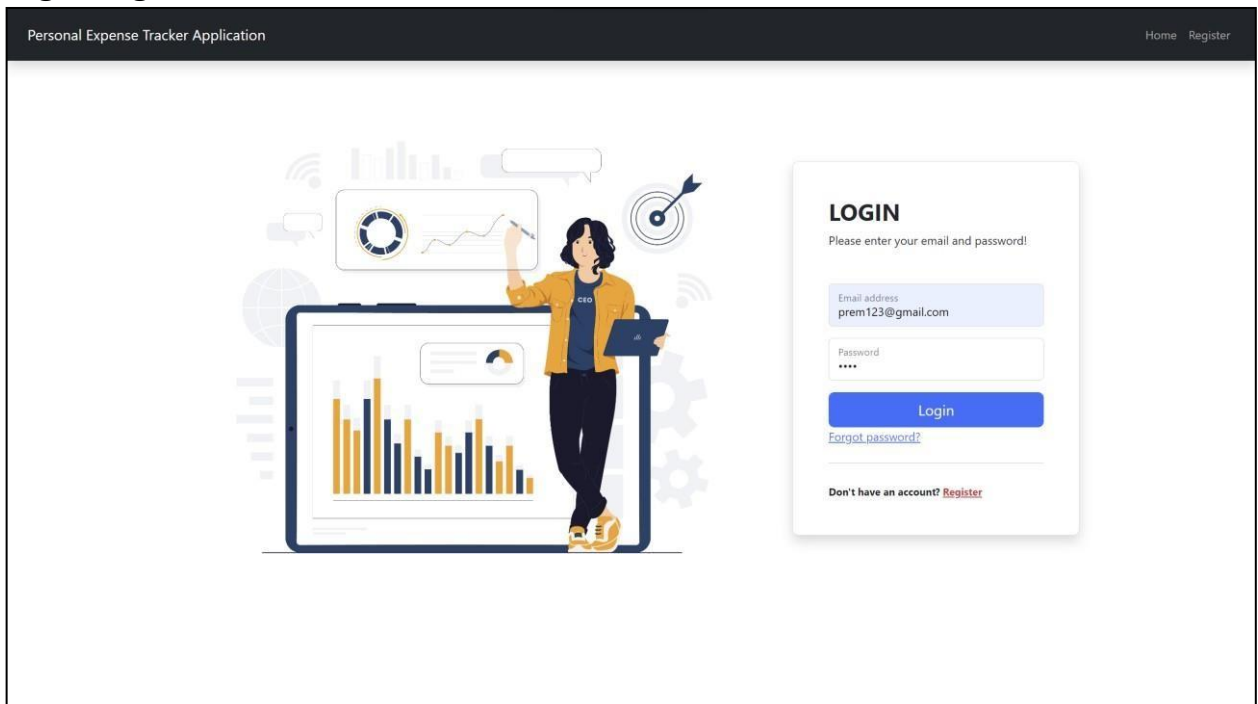
Press CTRL+C to quit

\* Restarting with stat

\* Debugger is active!

\* Debugger PIN: 339-993-679

## Login Page:



Personal Expense Tracker Application

Home Register

### LOGIN

Please enter your email and password!

Email address  
prem123@gmail.com

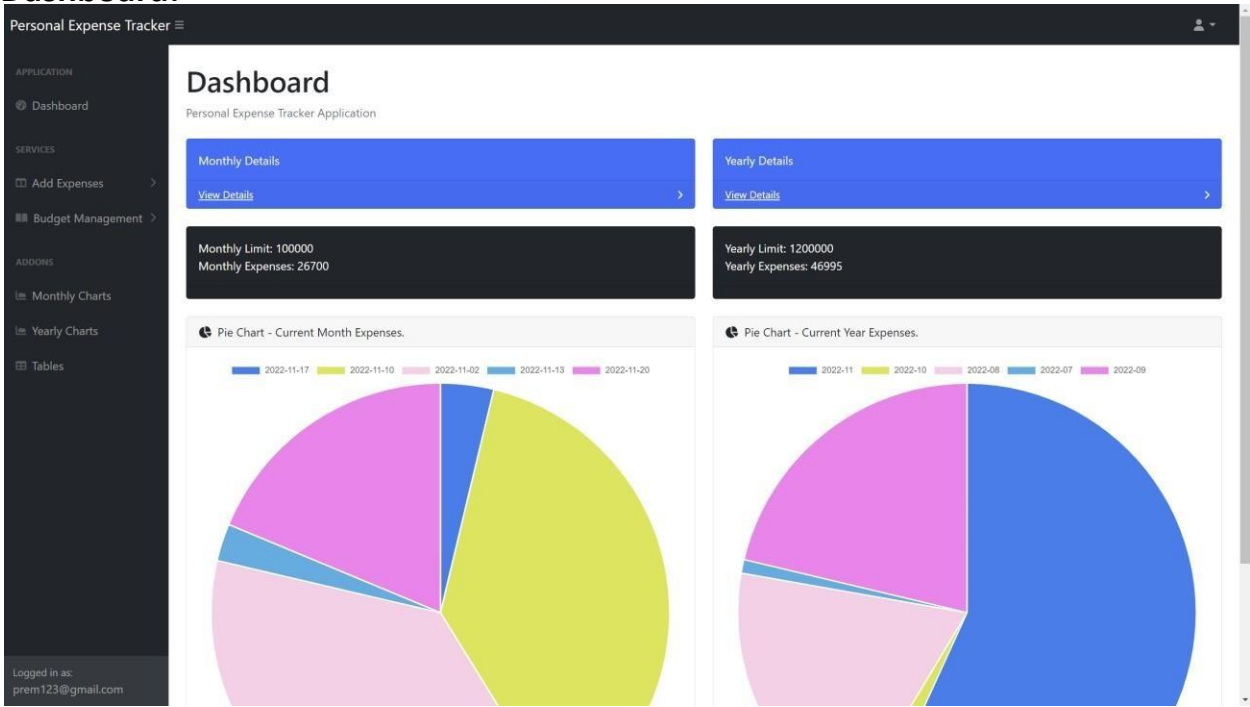
Password  
\*\*\*\*\*

Login

[Forgot password?](#)

Don't have an account? [Register](#)


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 Limit  
100000

Yearly Limit  
1200000

Add Expenses

## Monthly Charts:

