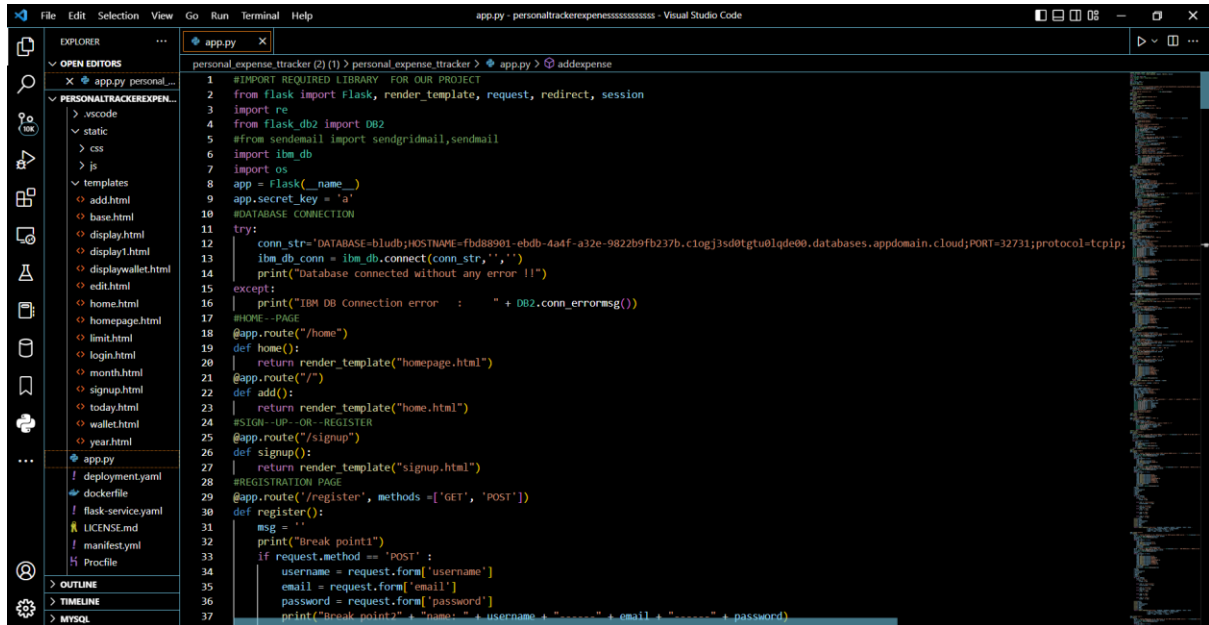


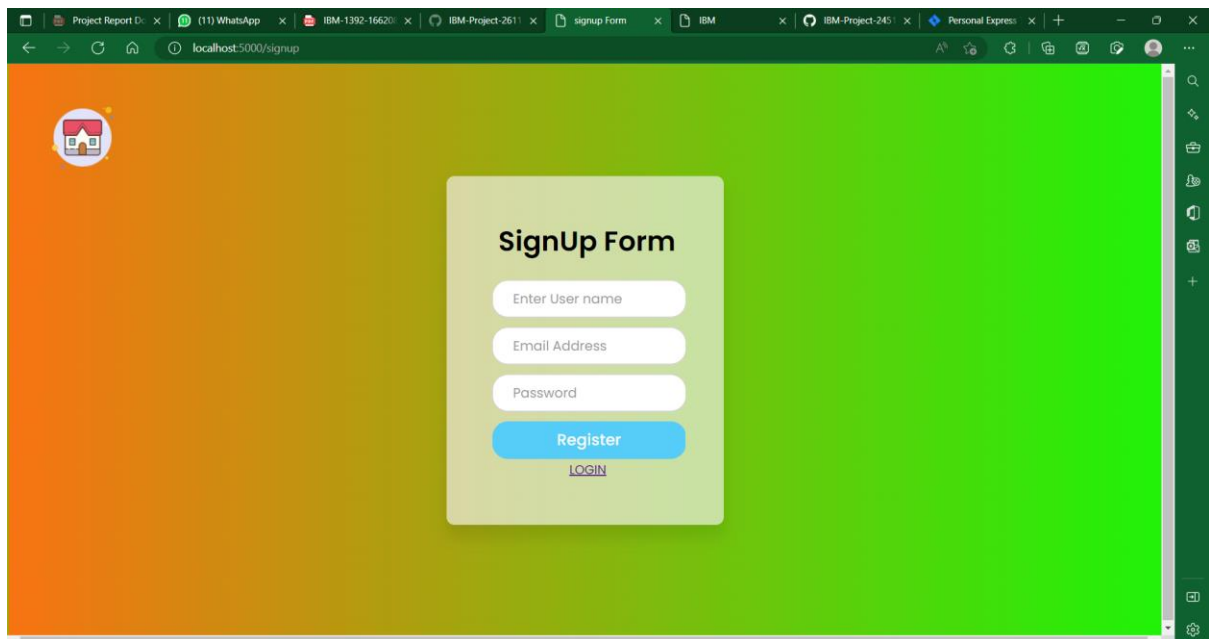
# IMPLEMENTING WEB APPLICATION

## IBM DATABASE CONNECTION WITH PYTHON

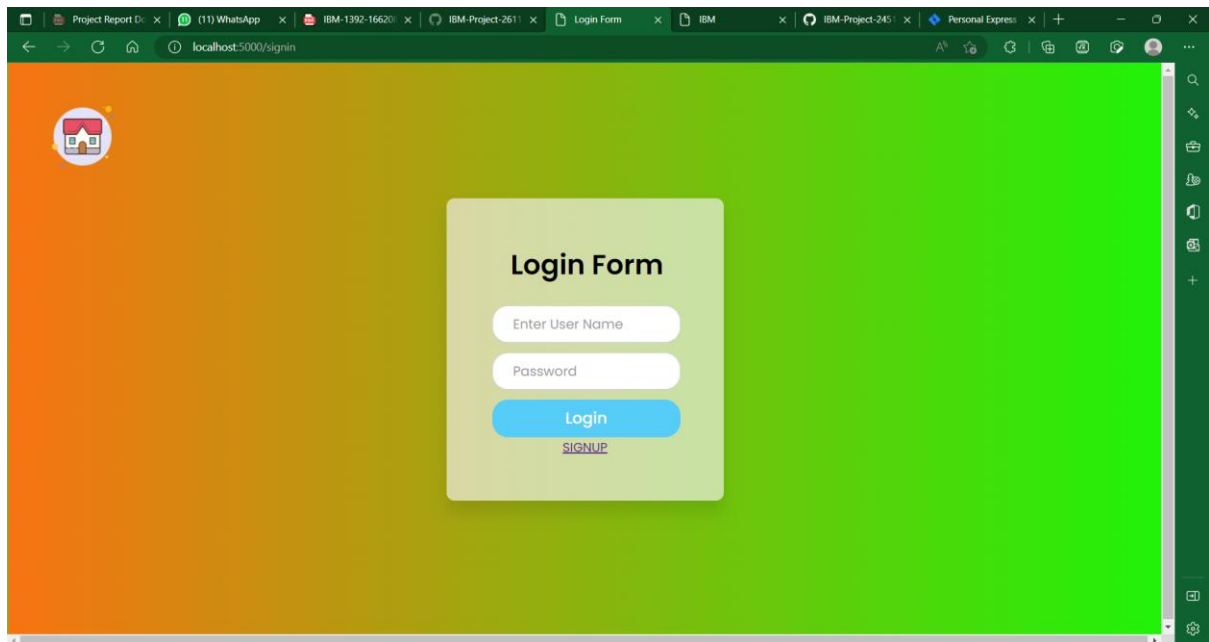


```
1 #IMPORT REQUIRED LIBRARY FOR OUR PROJECT
2 from flask import Flask, render_template, request, redirect, session
3 import re
4 from flask_db2 import DB2
5 #from sendemail import sendgridmail,sendmail
6 import ibm_db
7 import os
8 app = Flask(__name__)
9 app.secret_key = 'a'
10 #DATABASE CONNECTION
11 try:
12     conn_str='DATABASE=bludb;HOSTNAME=fbd88981-ebdb-4a4f-a32e-9822b9fb237b.clogj3sd0tgu1qde00.databases.appdomain.cloud;PORT=32731;protocol=tcpip;
13     ibm_db.conn = ibm_db.connect(conn_str, '', '')
14     print("Database connected without any error !!")
15 except:
16     print("IBM DB Connection error : " + DB2.conn_errormsg())
17 #HOME--PAGE
18 @app.route("/home")
19 def home():
20     return render_template("homepage.html")
21 @app.route("/")
22 def add():
23     return render_template("home.html")
24 #SIGN--UP--OR--REGISTER
25 @app.route("/signup")
26 def signup():
27     return render_template("signup.html")
28 #REGISTRATION PAGE
29 @app.route('/register', methods =['GET', 'POST'])
30 def register():
31     msg = ''
32     print("Break point1")
33     if request.method == 'POST' :
34         username = request.form['username']
35         email = request.form['email']
36         password = request.form['password']
37         print("Break point2" + "name: " + username + "email: " + email + "password: " + password)
```

## REGISTER PAGE:

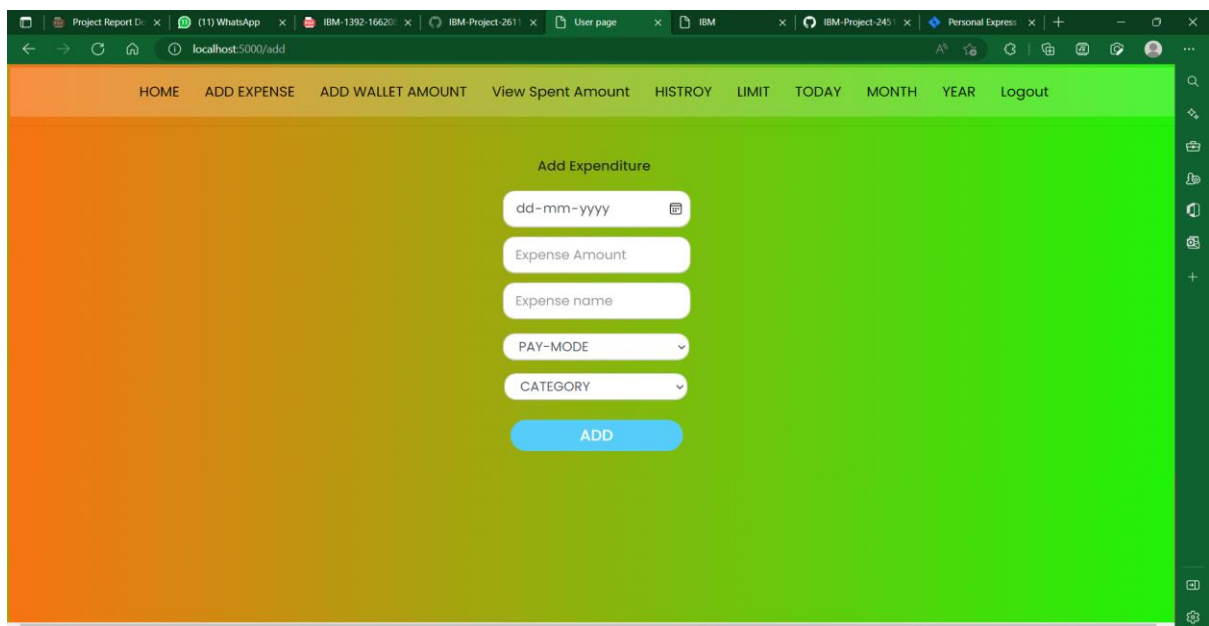


## LOGIN PAGE:



A screenshot of a web browser displaying the login page. The browser's address bar shows 'localhost:5000/signin'. The page has a green-to-orange gradient background. In the top-left corner, there is a small circular icon of a house. Centered on the page is a white 'Login Form' box. Inside this box, there are two input fields: 'Enter User Name' and 'Password'. Below these fields is a blue 'Login' button. Underneath the 'Login' button is a link labeled 'SIGNUP' in blue text. The browser's tab bar at the top shows several open tabs, including 'Project Report D...', '(11) WhatsApp', 'IBM-1392-16620', 'IBM-Project-261', 'Login Form', 'IBM', 'IBM-Project-245', and 'Personal Express'.

## ADD EXPENDITURE:



A screenshot of a web browser displaying the 'ADD EXPENDITURE' page. The browser's address bar shows 'localhost:5000/add'. The page features a green-to-orange gradient background. At the top, there is a horizontal navigation bar with the following links: 'HOME', 'ADD EXPENSE', 'ADD WALLET AMOUNT', 'View Spent Amount', 'HISTROY', 'LIMIT', 'TODAY', 'MONTH', 'YEAR', and 'Logout'. Below the navigation bar, centered on the page, is the 'Add Expenditure' form. This form includes a date input field with the placeholder 'dd-mm-yyyy', an 'Expense Amount' input field, an 'Expense name' input field, a 'PAY-MODE' dropdown menu, a 'CATEGORY' dropdown menu, and a blue 'ADD' button at the bottom. The browser's tab bar at the top shows several open tabs, including 'Project Report D...', '(11) WhatsApp', 'IBM-1392-16620', 'IBM-Project-261', 'User page', 'IBM', 'IBM-Project-245', and 'Personal Express'.

## WALLET PAGE:

Project Report D... (11) WhatsApp IBM-1392-16620 IBM-Project-261 User page IBM IBM-Project-245 Personal Express

localhost:5000/addamount

HOME ADD EXPENSE ADD WALLET AMOUNT View Spent Amount HISTROY LIMIT TODAY MONTH YEAR Logout

Add Wallet Amount

Enter a wallet Amount

dd-mm-yyyy

ADD