PROJECT DEVELOPMENT PHASE
SPRINT 4

Date	19 September 2022
Team ID	PNT2022TMID46887
Project Name	Plasma Donor Application

Code:

```
from flask import Flask, render_template, flash, request,session

from flask import Flask, render_template, request, jsonify

import datetime

import re




import ibm_db

import pandas

import ibm_db_dbi

from sqlalchemy import create_engine


engine = create_engine('sqlite://',

                       echo = False)


dsn_hostname = "9938aec0-8105-433e-8bf9-
0fbb7e483086.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud"

dsn_uid = "slg84898"

dsn_pwd = "sQLhssDgMcqDZ0uR"


dsn_driver = "{IBM DB2 ODBC DRIVER}"

dsn_database = "bludb"

dsn_port = "32459"

dsn_protocol = "TCPIP"

dsn_security = "SSL"
```

```
dsn = (
    "DRIVER={0};"
    "DATABASE={1};"
    "HOSTNAME={2};"
    "PORT={3};"
    "PROTOCOL={4};"
    "UID={5};"
    "PWD={6};"
    "SECURITY={7};").format(dsn_driver, dsn_database, dsn_hostname, dsn_port, dsn_protocol,
dsn_uid, dsn_pwd,dsn_security)



try:
    conn = ibm_db.connect(dsn, "", "")
    print ("Connected to database: ", dsn_database, "as user: ", dsn_uid, "on host: ", dsn_hostname)

except:
    print ("Unable to connect: ", ibm_db.conn_errormsg() )



app = Flask(__name__)
app.config.from_object(__name__)
app.config['SECRET_KEY'] = '7d441f27d441f27567d441f2b6176a'



@app.route("/")
def homepage():
```

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    return render_template('index.html')


@app.route("/AdminLogin")
def AdminLogin():

    return render_template('AdminLogin.html')

@app.route("/Register")
def Register():

    return render_template('Register.html')
@app.route("/UserLogin")
def UserLogin():

    return render_template('UserLogin.html')

@app.route("/Donor")
def Donor():

    return render_template('Donor.html')


@app.route("/RNewUser", methods=['GET', 'POST'])
def RNewUser():
    if request.method == 'POST':

        name1 = request.form['name']
        gender1 = request.form['gender']
        Age = request.form['age']
```

```
        email = request.form['email']
        address = request.form['address']
        pnumber = request.form['phone']
        uname = request.form['uname']
        password = request.form['psw']

        conn = ibm_db.connect(dsn, "", "")

        insertQuery = "INSERT INTO regtb VALUES ('" + name1 + "','" + gender1 + "','" + Age + "','" +
email + "','" + pnumber + "','" + password + "','" + uname + "','" + address + "')"
        insert_table = ibm_db.exec_immediate (conn, insertQuery)
        print(insert_table)




    return render_template('userlogin.html')


@app.route("/RNewDonor", methods=['GET', 'POST'])
def RNewDonor():
    if request.method == 'POST':

        name1 = request.form['name']
        gender1 = request.form['gender']
        Age = request.form['age']
        blood = request.form['bgrp']
        address = request.form['address']
        pnumber = request.form['phone']
        uname = request.form['uname']
```

```
        password = request.form['psw']


        conn = ibm_db.connect(dsn, "", "")


        insertQuery = "INSERT INTO dotb VALUES ('" + name1 + "','" + gender1 + "','" + Age + "','" + blood
+ "','" + pnumber + "','" + password + "','" + uname + "','" + address + "')"
        insert_table = ibm_db.exec_immediate (conn, insertQuery)
        print(insert_table)









    return render_template('userlogin.html')


@app.route("/Request")
def Request():


    conn = ibm_db.connect(dsn, "", "")
    pd_conn = ibm_db_dbi.Connection(conn)


    selectQuery = "SELECT * from dotb "
    dataframe = pandas.read_sql(selectQuery, pd_conn)


    dataframe.to_sql('Employee_Data',
                     con=engine,
                     if_exists='append')


    # run a sql query
    print(engine.execute("SELECT * FROM Employee_Data").fetchall())
```

```
    return render_template('ViewProduct.html', data=engine.execute("SELECT * FROM
Employee_Data").fetchall())




@app.route("/userlogin", methods=['GET', 'POST'])
def userlogin():
    error = None
    if request.method == 'POST':
        username = request.form['uname']
        password = request.form['password']
        session['uname'] = request.form['uname']



        conn = ibm_db.connect(dsn, "", "")
        pd_conn = ibm_db_dbi.Connection(conn)


        selectQuery = "SELECT * from regtb where uname='" + username + "' and password='" +
password + "'"
        dataframe = pandas.read_sql(selectQuery, pd_conn)


        if dataframe.empty:
            data1 = 'Username or Password is wrong'
            return render_template('goback.html', data=data1)
        else:
            print("Login")
            selectQuery = "SELECT * from regtb where uname='" + username + "' and password='" +
password + "'"
            dataframe = pandas.read_sql(selectQuery, pd_conn)
```

```
        dataframe.to_sql('Employee_Data',
                con=engine,
                if_exists='append')

        # run a sql query
        print(engine.execute("SELECT * FROM Employee_Data").fetchall())

        return render_template('UserHome.html', data=engine.execute("SELECT * FROM
Employee_Data").fetchall())

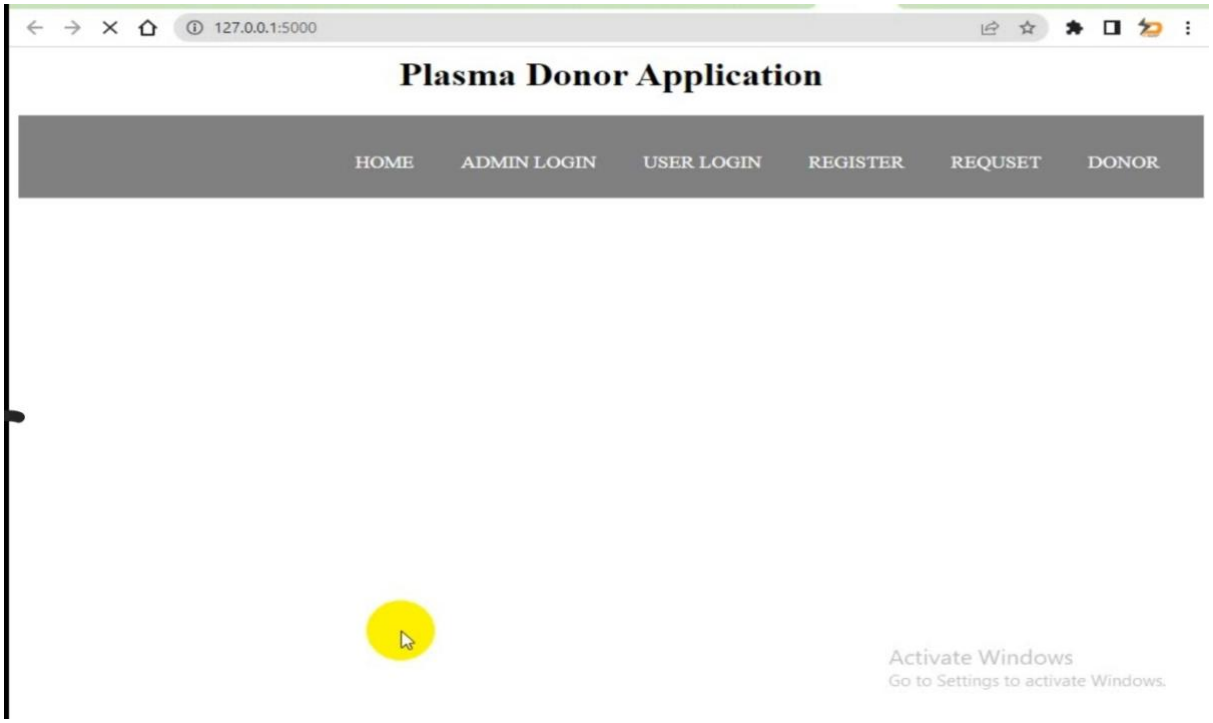


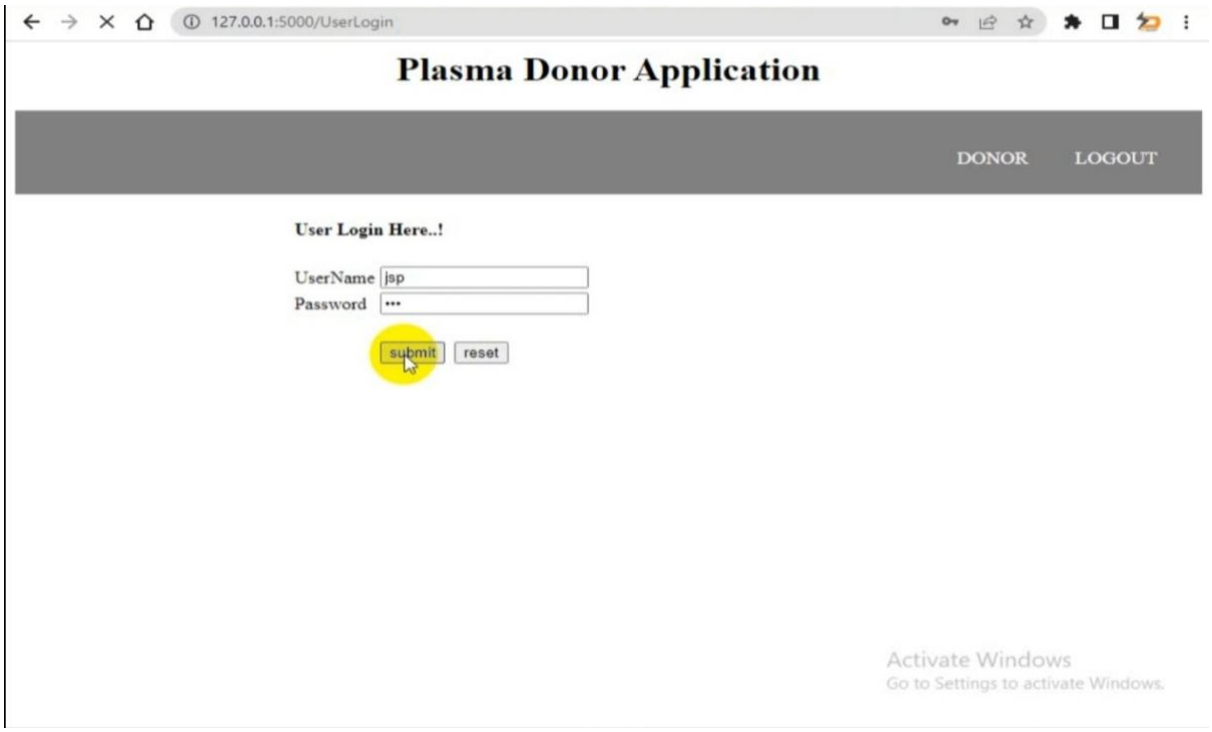

def main():
    app.run(debug=True, use_reloader=True)

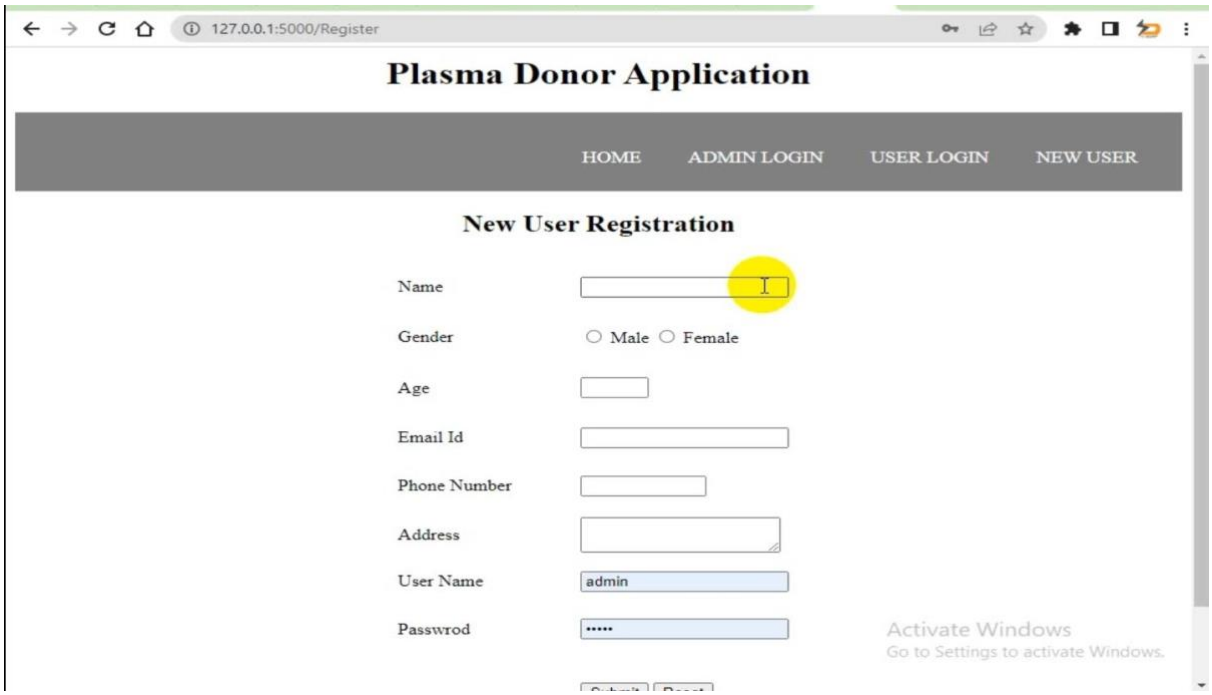

if __name__ == '__main__':
    main()
```

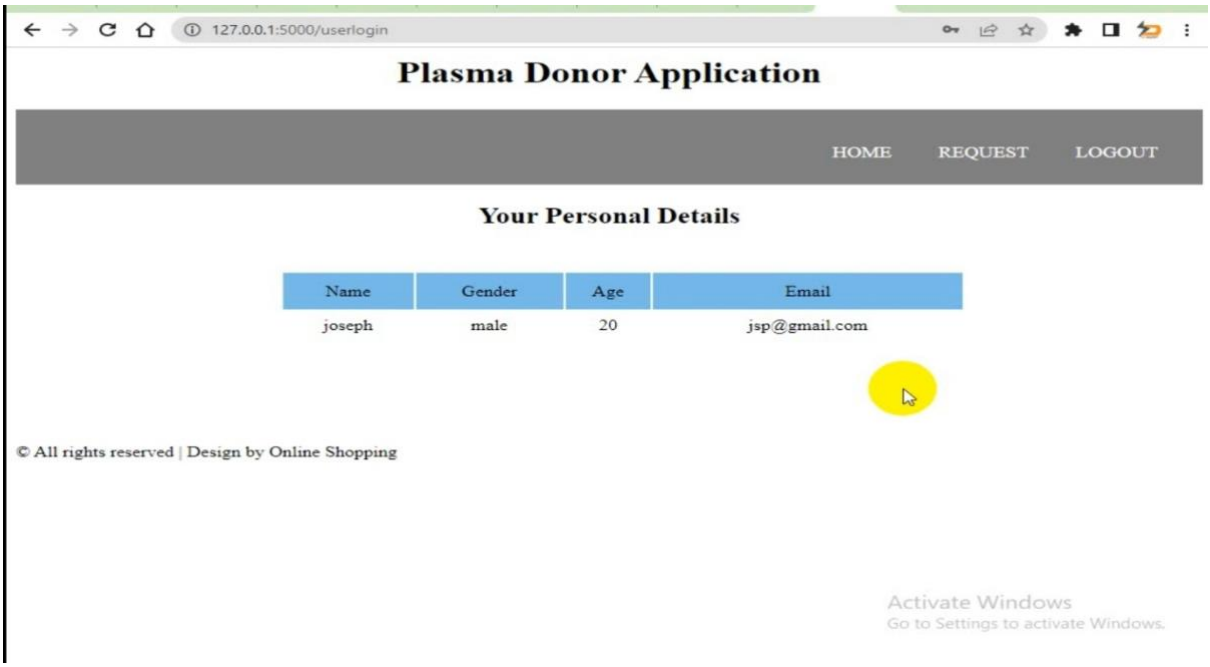
Output:

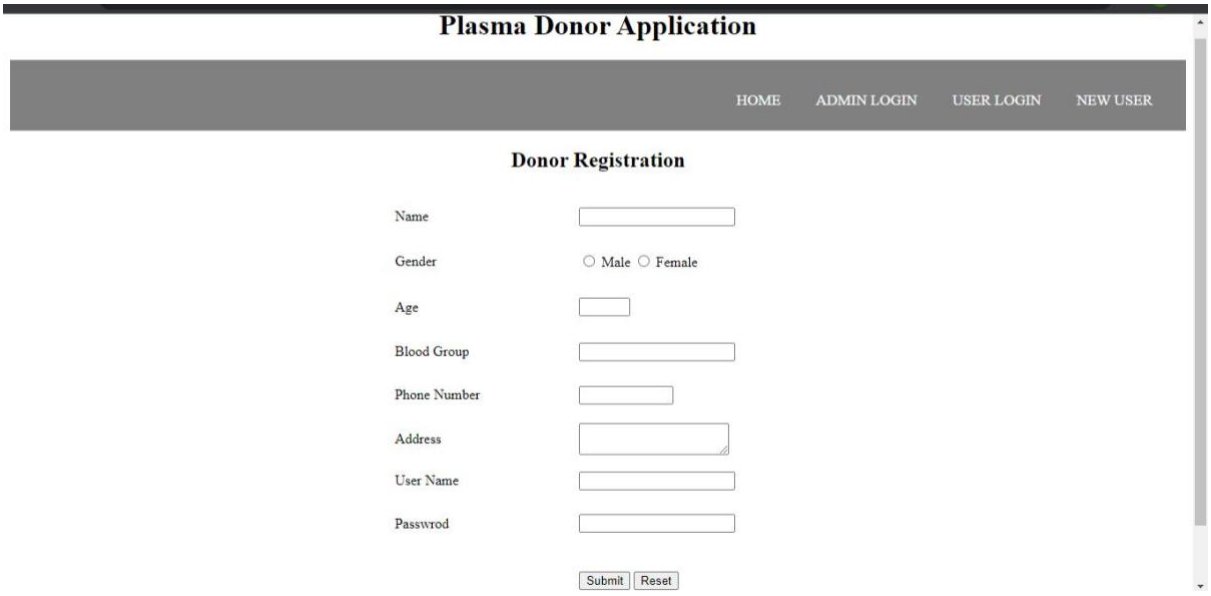
URL: http://127.0.0.1:5000

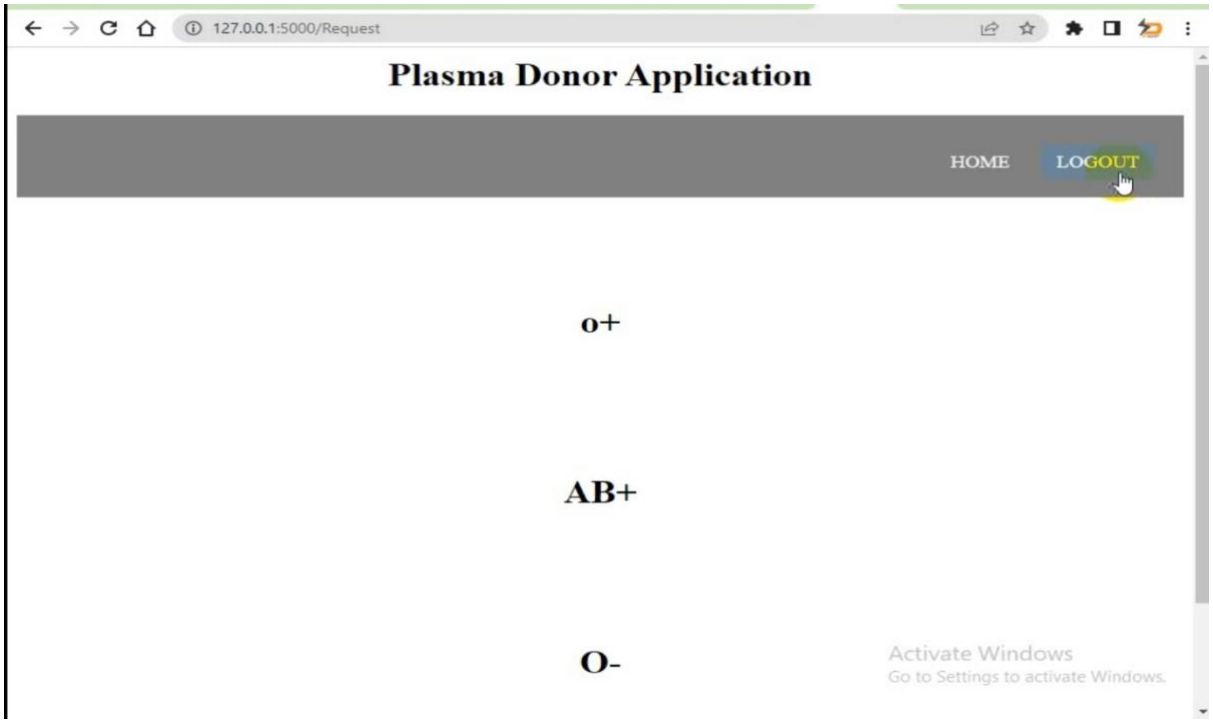

127.0.0.1:5000
Plasma Donor Application
HOME
ADMIN LOGIN
USER LOGIN
REGISTER
REQUSET
DONOR
Activate Windows
Go to Settings to activate Windows.


127.0.0.1:5000/UserLogin
Plasma Donor Application
DONOR
LOGOUT
User Login Here..!
UserName jsp
Password
submit
reset
Activate Windows
Go to Settings to activate Windows.


127.0.0.1:5000/Register
Plasma Donor Application
HOME
ADMIN LOGIN
USER LOGIN
NEW USER
New User Registration
Name
Gender
Male
Female
Age
Email Id
Phone Number
Address
User Name
admin
Passwrod
Activate Windows
Go to Settings to activate Windows.


127.0.0.1:5000/userlogin
Plasma Donor Application
HOME
REQUEST
LOGOUT
Your Personal Details
Name
Gender
Age
Email
joseph
male
20
jsp@gmail.com
© All rights reserved | Design by Online Shopping
Activate Windows
Go to Settings to activate Windows.


Plasma Donor Application
HOME
ADMIN LOGIN
USER LOGIN
NEW USER
Donor Registration
Name
Gender
Male
Female
Age
Blood Group
Phone Number
Address
User Name
Passwrod
Submit
Reset


127.0.0.1:5000/Request
Plasma Donor Application
HOME
LOGOUT
o+
AB+
O-
Activate Windows
Go to Settings to activate Windows.