**Main.py**

from flask import Flask, render\_template, request, redirect, url\_for, session

import pymysql

from datetime import datetime

app = Flask(\_\_name\_\_)

app.secret\_key = 'welcome'

global uname

global uname

@app.route('/Deposit', methods=['GET', 'POST'])

def Deposit():

output = '<tr><td><font size="3" color="black">Username</td><td><input type="text" name="t1" size="20" value='+uname+' readonly/></td></tr>'

return render\_template('Deposit.html', msg1=output)

@app.route('/Withdraw', methods=['GET', 'POST'])

def Withdraw():

output = '<tr><td><font size="3" color="black">Username</td><td><input type="text" name="t1" size="20" value='+uname+' readonly/></td></tr>'

return render\_template('Withdraw.html', msg1=output)

@app.route('/index', methods=['GET', 'POST'])

def index():

return render\_template('index.html', msg='')

@app.route('/Login', methods=['GET', 'POST'])

def Login():

return render\_template('Login.html', msg='')

@app.route('/Signup', methods=['GET', 'POST'])

def Signup():

return render\_template('Signup.html', msg='')

@app.route('/ViewBalance', methods=['GET', 'POST'])

def ViewBalance():

font = "<font size='3' color='black'>"

output = ""

con = pymysql.connect(host='127.0.0.1',port = 3306,user = 'root', password = 'root', database = 'atm',charset='utf8')

with con:

cur = con.cursor()

cur.execute("select \* FROM transaction where username='"+uname+"'")

rows = cur.fetchall()

for row in rows:

output+="<tr><td>"+font+str(row[0])+"</font></td>"

output+="<td>"+font+str(row[1])+"</font></td>"

output+="<td>"+font+str(row[2])+"</font></td>"

output+="<td>"+font+str(row[3])+"</font></td>"

output+="<td>"+font+str(row[4])+"</font></td>"

return render\_template('ViewBalance.html', msg=output)

@app.route('/LoginAction', methods=['GET', 'POST'])

def LoginAction():

global uname

if request.method == 'POST':

user = request.form['t1']

password = request.form['t2']

data = request.files['t3'].read()

index = 0

con = pymysql.connect(host='127.0.0.1',port = 3306,user = 'root', password = 'root', database = 'atm',charset='utf8')

with con:

cur = con.cursor()

cur.execute("select \* FROM users")

rows = cur.fetchall()

for row in rows:

if row[0] == user and password == row[1]:

in\_file = open("static/users/"+user+".png", "rb")

avail\_data = in\_file.read() # if you only wanted to read 512 bytes, do .read(512)

in\_file.close()

if avail\_data == data:

index = 1

uname = user

break

if index == 0:

return render\_template('Login.html', msg="Invalid login details")

else:

return render\_template('UserScreen.html', msg="Welcome "+uname)

def getAmount(user):

amount = 0

con = pymysql.connect(host='127.0.0.1',port = 3306,user = 'root', password = 'root', database = 'atm',charset='utf8')

with con:

cur = con.cursor()

cur.execute("select \* FROM transaction")

rows = cur.fetchall()

for row in rows:

if row[0] == user:

amount = float(row[4])

break

return amount

@app.route('/WithdrawAction', methods=['GET', 'POST'])

def WithdrawAction():

if request.method == 'POST':

user = request.form['t1']

amount = request.form['t2']

total = getAmount(user)

withdraw = float(amount)

status = "Error in depositing amount"

if total > withdraw:

total = total - withdraw

timestamp = datetime.now().strftime('%Y-%m-%d %H:%M:%S')

student\_sql\_query = "update transaction set transaction\_amount='"+amount+"',transaction\_type='Withdrawl',transaction\_date='"+str(timestamp)+"',total\_balance='"+str(total)+"' where username='"+user+"'"

db\_connection = pymysql.connect(host='127.0.0.1',port = 3306,user = 'root', password = 'root', database = 'atm',charset='utf8')

db\_cursor = db\_connection.cursor()

db\_cursor.execute(student\_sql\_query)

db\_connection.commit()

if db\_cursor.rowcount == 1:

status = "Withdrawl Transaction Successfull"

else:

status = "Insufficient Fund"

return render\_template('UserScreen.html', msg=status)

@app.route('/DepositAction', methods=['GET', 'POST'])

def DepositAction():

if request.method == 'POST':

user = request.form['t1']

amount = request.form['t2']

total = getAmount(user)

status = "Error in depositing amount"

if total == 0:

total = total + float(amount)

timestamp = datetime.now().strftime('%Y-%m-%d %H:%M:%S')

student\_sql\_query = "INSERT INTO transaction(username,transaction\_amount,transaction\_type,transaction\_date,total\_balance) VALUES('"+user+"','"+amount+"','Deposit','"+str(timestamp)+"','"+str(total)+"')"

db\_connection = pymysql.connect(host='127.0.0.1',port = 3306,user = 'root', password = 'root', database = 'atm',charset='utf8')

db\_cursor = db\_connection.cursor()

db\_cursor.execute(student\_sql\_query)

db\_connection.commit()

if db\_cursor.rowcount == 1:

status = "Transaction Successfull"

elif total > 0:

total = total + float(amount)

timestamp = datetime.now().strftime('%Y-%m-%d %H:%M:%S')

student\_sql\_query = "update transaction set transaction\_amount='"+amount+"',transaction\_type='Deposit',transaction\_date='"+str(timestamp)+"',total\_balance='"+str(total)+"' where username='"+user+"'"

db\_connection = pymysql.connect(host='127.0.0.1',port = 3306,user = 'root', password = 'root', database = 'atm',charset='utf8')

db\_cursor = db\_connection.cursor()

db\_cursor.execute(student\_sql\_query)

db\_connection.commit()

if db\_cursor.rowcount == 1:

status = "Transaction Successfull"

return render\_template('UserScreen.html', msg=status)

@app.route('/SignupAction', methods=['GET', 'POST'])

def SignupAction():

if request.method == 'POST':

user = request.form['t1']

password = request.form['t2']

phone = request.form['t3']

email = request.form['t4']

address = request.form['t5']

gender = request.form['t6']

data = request.files['t7'].read()

status = "none"

con = pymysql.connect(host='127.0.0.1',port = 3306,user = 'root', password = 'root', database = 'atm',charset='utf8')

with con:

cur = con.cursor()

cur.execute("select \* FROM users")

rows = cur.fetchall()

for row in rows:

if row[0] == user:

status = user+" Username already exists"

break

if status == 'none':

db\_connection = pymysql.connect(host='127.0.0.1',port = 3306,user = 'root', password = 'root', database = 'atm',charset='utf8')

db\_cursor = db\_connection.cursor()

student\_sql\_query = "INSERT INTO users(username,password,contact\_no,emailid,address,gender) VALUES('"+user+"','"+password+"','"+phone+"','"+email+"','"+address+"','"+gender+"')"

db\_cursor.execute(student\_sql\_query)

db\_connection.commit()

if db\_cursor.rowcount == 1:

out\_file = open("static/users/"+user+".png", "wb")

out\_file.write(data)

out\_file.close()

status = 'Signup process completed'

return render\_template('Signup.html', msg=status)

@app.route('/Logout')

def Logout():

return render\_template('index.html', msg='')

if \_\_name\_\_ == '\_\_main\_\_':

app.run()