

```

#Import Flask Library
from flask import Flask, render_template, request, session, url_for, redirect
import pymysql.cursors
import pymysql

#Initialize the app from Flask
app = Flask(__name__)

#Configure MySQL
conn = pymysql.connect(host='localhost',
                        port = 3307,
                        user='root',
                        password='',
                        db='airlineRes',
                        charset='utf8mb4',
                        cursorclass=pymysql.cursors.DictCursor)

print("connections Succesful")

#Define a route to hello function
@app.route('/')
def hello():
    return render_template('index.html')

#Define route for login
@app.route('/login')
def login():
    return render_template('login.html')

#Define route for register
@app.route('/register')
def register():
    return render_template('customer_register.html')

@app.route('/staff_register')
def staff_reg():
    return render_template('airline_register.html')

#Authenticates the login
@app.route('/loginAuth', methods=['GET', 'POST'])
def loginAuth():
    #grabs information from the forms
    customer_name = request.form['customer_name']
    password = request.form['password']

    #cursor used to send queries
    cursor = conn.cursor()
    #executes query
    query = 'SELECT * FROM CUSTOMER WHERE customer_name = %s and password = %s'
    cursor.execute(query, (customer_name, password))
    #stores the results in a variable
    data = cursor.fetchone()
    #use fetchall() if you are expecting more than 1 data row
    cursor.close()
    error = None
    if(data):
        #creates a session for the the user
        #session is a built in
        session['customer_name'] = customer_name
        return redirect(url_for('home'))
    else:
        #returns an error message to the html page
        error = 'Invalid login or username'
        return render_template('login.html', error=error)

@app.route('/staffLoginAuth', methods=['GET', 'POST'])
def staffLoginAuth():
    #grabs information from the forms
    username = request.form['username']
    password = request.form['password']

```

```

#cursor used to send queries
cursor = conn.cursor()
#executes query
query = 'SELECT * FROM Airline_Staff WHERE username = %s and password = %s'
cursor.execute(query, (username, password))
#stores the results in a variable
data = cursor.fetchone()
#use fetchall() if you are expecting more than 1 data row
cursor.close()
error = None
if(data):
    #creates a session for the the user
    #session is a built in
    session['username'] = username
    return redirect(url_for('staffHome'))
else:
    #returns an error message to the html page
    error = 'Invalid login or username'
    return render_template('login.html', error=error)

#Authenticates the register
@app.route('/registerAuth', methods=['GET', 'POST'])
def registerAuth():
    #grabs information from the forms
    customer_name = request.form['customer_name']
    customer_email = request.form['email']
    password = request.form['password']
    customer_address = request.form['address']
    building_number = request.form['buildingNumber']
    street = request.form['street']
    state = request.form['state']
    phone_number = request.form['phoneNumber']
    passport_number = request.form['passportNum']
    passport_expiration = request.form['passportExp']
    passport_country = request.form['country']

    #cursor used to send queries
    cursor = conn.cursor()
    #executes query
    query = 'SELECT * FROM CUSTOMER WHERE customer_name = %s'
    cursor.execute(query, (customer_name))
    #stores the results in a variable
    data = cursor.fetchone()
    #use fetchall() if you are expecting more than 1 data row
    error = None
    if(data):
        #If the previous query returns data, then user exists
        error = "This user already exists"
        return render_template('customer_register.html', error = error)
    else:
        ins = 'INSERT INTO CUSTOMER VALUES(%s, %s, %s, %s, %s, %s, %s, %s, %s, %s, %s)'
        cursor.execute(ins, (customer_name, customer_email, password, customer_address, building_number, street, state, phone_number, passport_number, passport_expiration, passport_country))
        conn.commit()
        cursor.close()
        return render_template('index.html')

#Authenticates the register
@app.route('/staffRegisterAuth', methods=['GET', 'POST'])
def staffRegisterAuth():
    #grabs information from the forms
    username = request.form['username']
    password = request.form['password']
    first_name = request.form['first_name']
    last_name = request.form['last_name']
    dob = request.form['dob']
    phone_number = request.form['phoneNumber']
    email = request.form['email']
    airline_name = request.form['airline_name']

```