from flask import Flask,render\_template,request,flash,session  
from flaskext.mysql import MySQL  
from werkzeug.security import generate\_password\_hash, check\_password\_hash  
  
app = Flask(\_\_name\_\_,template\_folder='templates')  
  
app.config['SECRET\_KEY'] = 'secret-key-goes-here'  
app.config['MYSQL\_HOST'] = 'localhost'  
app.config['MYSQL\_USER'] = 'root'  
app.config['MYSQL\_PASSWORD'] = 'Kadamattam@1107'  
app.config['MYSQL\_DB'] = 'bbms'  
  
mysql = MySQL(app)  
  
@app.route('/')  
def index():  
 return render\_template('index.html')  
  
@app.route('/home')  
def home():  
 return render\_template('index.html')  
  
@app.route('/signup',methods = ['POST', 'GET'])  
def signUp():  
 if request.method == 'POST':  
 name = request.form['name']  
 phoneNumber = request.form['phoneNumber']  
 email = request.form['email']  
 bloodType = request.form['bloodType']  
 dateOfBirth = request.form['dateOfBirth']  
 gender = request.form['gender']  
 userType = request.form['userType']  
 password1 = request.form['password1']  
 password2 = request.form['password2']  
  
 passwd = generate\_password\_hash(password1, method='sha256')  
  
 cursor = mysql.connection.cursor()  
  
 cursor.execute('SELECT \* FROM BloodLinkUsers WHERE email = %s AND password = %s', (email, check\_password\_hash(password1,password1)))  
 account = cursor.fetchone()  
  
 if account:  
 flash('Account already exists!', category='error')  
 elif password1 != password2:  
 flash('Passwords don\'t match.', category='error')  
 else:  
 cursor.execute('''INSERT INTO BloodLinkUsers (Email,Password,UserType)  
 VALUES(%s,%s,%s) '''  
 , (email,generate\_password\_hash(passwd),userType))  
  
 mysql.connection.commit()  
  
 cursor.execute('SELECT \* FROM BloodLinkUsers WHERE email = %s AND password = %s', (email, check\_password\_hash(password1,password1)))  
 account = cursor.fetchone()  
 #print(account)  
 if userType == 'Donor':  
 cursor.execute('''INSERT INTO DONOR (DonorId,Name,Contact,Email,BloodType,DOB,Gender,Address)  
 VALUES(%s,%s,%s,%s,%s,%s,%s,%s) '''  
 ,(account[0],name,phoneNumber,email,bloodType,dateOfBirth,gender,''))  
 elif userType == 'Recipient':  
 cursor.execute('''INSERT INTO RECIPIENT (RecipientId,Name,Contact,Email,RequiredBloodType,DOB,Gender,Address)  
 VALUES(%s,%s,%s,%s,%s,%s,%s,%s) '''  
 , (account[0],name, phoneNumber, email,bloodType,dateOfBirth, gender, ''))  
 mysql.connection.commit()  
 cursor.close()  
  
  
 return render\_template('signup.html')  
  
@app.route('/login',methods=['GET', 'POST'])  
def login():  
 if request.method == 'POST' and 'email' in request.form and 'password' in request.form:  
 # Create variables for easy access  
 email = request.form['email']  
 password = request.form['password']  
 cursor = mysql.connection.cursor()  
 cursor.execute('SELECT \* FROM BloodLinkUsers WHERE email = %s AND password = %s', (email, check\_password\_hash(password,password)))  
 account = cursor.fetchone()  
 print(account)  
 if account:  
 # Create session data, we can access this data in other routes  
 session['loggedin'] = True  
 session['id'] = account[0]  
 session['email'] = account[1]  
 session['userType'] = account[3]  
 flash('Logged in successfully!',category='success')  
 if account[3] == 'Employee':  
 return render\_template('adminBase.html')  
 return render\_template('index.html')  
 else:  
 flash('Incorrect username/password!',category='error')  
 return render\_template('login.html')  
  
@app.route('/logout',methods=['GET', 'POST'])  
def logout():  
 session.pop('loggedin', None)  
 session.pop('id', None)  
 session.pop('username', None)  
 session.pop('userType',None)  
 flash('Logged out successfully!',category='success')  
 return render\_template('index.html')  
  
@app.route('/contactUs',methods=['GET', 'POST'])  
def contactUs():  
 return render\_template('contactUs.html')  
  
  
@app.route('/adminBase',methods=['GET', 'POST'])  
def adminBase():  
 return render\_template('adminBase.html')  
  
@app.route('/adminDonor',methods=['GET', 'POST'])  
def adminDonor():  
 cursor = mysql.connection.cursor()  
  
 cursor.execute('SELECT \* FROM Donor')  
 donorData = cursor.fetchall()  
 return render\_template('adminDonor.html',donorData=donorData)  
  
@app.route('/aboutUs',methods=['GET', 'POST'])  
def aboutUs():  
 return render\_template('aboutUs.html')  
  
if \_\_name\_\_ == '\_\_main\_\_':  
 app.run(debug=True)

from flask import Flask, render\_template, request, redirect, url\_for, session  
from flaskext.mysql import MySQL  
  
app = Flask(\_\_name\_\_, template\_folder='templates')  
  
mysql = MySQL()  
app.config['MYSQL\_DATABASE\_USER'] = 'root'  
app.config['MYSQL\_DATABASE\_PASSWORD'] = 'Kadamattam@1107'  
app.config['MYSQL\_DATABASE\_DB'] = 'ADT\_Project\_BloodLine'  
app.config['MYSQL\_DATABASE\_HOST'] = 'localhost'  
  
mysql.init\_app(app)  
  
#@app.route('/')  
#@app.route('/inventory',methods=['GET', 'POST'])  
#def inventory():  
 #cursor = mysql.get\_db().cursor()  
 #cursor.execute('SELECT \* FROM ViewInventoryV2')  
 #inventoryData = cursor.fetchall()  
 #print(inventoryData)  
 #return render\_template('inventory.html', inventoryData=inventoryData)  
  
@app.route('/book\_appointment', methods=['GET', 'POST'])  
def book\_appointment():  
 if request.method == 'POST':  
 bbid = request.form['bbid']  
 bbname = request.form['bbname']  
 date = request.form['date']  
 time = request.form['time']  
 # Save the appointment details to the MySQL database  
 #USERTYPE = session['USERTYPE']  
 userId = '2'  
 USERTYPE = 'Donor'  
 cursor = mysql.get\_db().cursor()  
 if(USERTYPE == 'Donor'):  
 cursor.execute('INSERT INTO donorAppointment (DonorId,BloodBankId,BloodBankName, Date, Time) VALUES (%s, %s, %s, %s,%s)' ,(userId,bbid, bbname[1], date, time))  
 elif (USERTYPE == 'Recipient'):  
 cursor.execute('INSERT INTO recipientAppointment (RecipientId,BloodBankId,BloodBankName, Date, Time) VALUES (%s, %s, %s, %s,%s)' ,(userId,bbid, bbname[1], date, time))  
 mysql.get\_db().commit()  
 cursor.close()  
 # Redirect to a success page  
 return render\_template('appointment.html')  
 else:  
 # Fetch data from the MySQL database to populate the dropdown list  
 cursor = mysql.get\_db().cursor()  
 cursor.execute('SELECT BloodBankId, Name FROM BloodBank;')  
 bloodbank\_data = cursor.fetchall()  
 bloodbanks = [row for row in bloodbank\_data]  
 bloodbankIDs = [row[0] for row in bloodbank\_data]  
 print(bloodbankIDs)  
 # Render the HTML page and pass the data to the template  
 return render\_template('appointment.html', bloodbankIDs=bloodbankIDs, bloodbanks=bloodbanks)  
  
if \_\_name\_\_ == "\_\_main\_\_":  
 app.run(debug=True)

------------------------------------Appointment.html------------------------------

<!DOCTYPE html>  
<html lang="en">  
<head>  
 <title>Appointment Booking</title>  
 <link rel="stylesheet" type="text/css" href="{{ url\_for('static', filename='appointment.css') }}">  
 <link href="https://cdnjs.cloudflare.com/ajax/libs/select2/4.0.13/css/select2.min.css" rel="stylesheet" />  
 <script src="https://cdnjs.cloudflare.com/ajax/libs/select2/4.0.13/js/select2.min.js"></script>  
</head>  
<body >  
 <div class="bf-container">  
 <div class="bf-body">  
 <div class="bf-head">  
 <h1>Book Appointment</h1>  
 </div>  
  
 <form class="bf-body-box" method="POST" action="{{ url\_for('book\_appointment') }}">  
 <div class="bf-row">  
 <div class="bf-col-12">  
 <label for="bloodbank">Blood Bank</label>  
 <select name="bbname" id="bbname" required>  
 <option value="" disabled selected hidden>Select Blood Bank</option>  
 {% for bloodbank in bloodbanks %}  
 <option value="{{ bloodbank }}">{{ bloodbank[0] }} - {{ bloodbank[1] }}</option>  
 {% endfor %}  
 </select>  
 </div>  
 </div>  
  
  
 <div class="bf-row">  
 <div class="bf-col-6">  
 <label for="date">Date</label>  
 <input type="date" id="date" name="date" required>  
 </div>  
 <div class="bf-col-6">  
 <label for="time">Time</label>  
 <input type="time" id="time" name="time" required>  
 </div>  
 </div>  
  
 <div class="bf-row">  
 <div class="bf-col-12">  
 <button type="submit" class="bf-button">Book Appointment</button>  
 </div>  
 </div>  
 </form>  
  
 <form class="bf-body-box" method="GET">  
 <div class="bf-row">  
 <div class="bf-col-12">  
 <label for="search">Search Blood Banks:</label>  
 <input type="text" id="search" name="search" value="{{ search\_query }}">  
 <button type="submit">Search</button>  
 </div>  
 </div>  
 </form>  
  
 {% if search\_query %}  
 <div class="bf-row">  
 <div class="bf-col-12">  
 <table>  
 <thead>  
 <tr>  
 <th>Blood Bank ID</th>  
 <th>Blood Bank Name</th>  
 </tr>  
 </thead>  
 <tbody>  
 {% for bloodbank in bloodbanks %}  
 <tr>  
 <td>{{ bloodbank[0] }}</td>  
 <td>{{ bloodbank[1] }}</td>  
 </tr>  
 {% endfor %}  
 </tbody>  
 </table>  
 </div>  
 </div>  
 {% endif %}  
 </div>  
 </div>  
</body>  
</html>