LISTING CODE

Main.py

```python
import os
import time
import adafruit_fingerprint
import serial
from flask import json, session

import numpy as np
import pymysql
from werkzeug.utils import secure_filename

from app import app
from tables import Results
from db_config import mysql
from flask import flash, render_template, request, redirect
from werkzeug.security import generate_password_hash, check_password_hash
import pickle
import pandas as pd

nama_variabel = 'gbest_pso_1677533403968831700.pkl'
#baca variabel
with open(nama_variabel, 'rb') as file:
    # Call load method to deserialze
    gbest_pso = pickle.load(file)

print(gbest_pso)

nama_variabel2 = 'best_bat_1677744895216972500.pkl'
#baca variabel
with open(nama_variabel2, 'rb') as file:
    # Call load method to deserialze
    gbest_bat = pickle.load(file)

print(gbest_bat)

def relu(x):
    if x < 0: return 0
    else: return x

def sigmoid(x):
    return 1. / (1 + np.exp(-x))

def tanh(x):
    return (np.exp(x) - np.exp(-x)) / (np.exp(x) + np.exp(-x))
```

```python
def prediksi(X, train_x, input_kernel,
hid_kernel, output_kernel):
    fit_w                          =
X[:input_kernel*hid_kernel]
    fit_wbias                      =
X[input_kernel*hid_kernel:
((input_kernel*hid_kernel)+hid_kerne
l)]
    fit_v                          =
X[((input_kernel*hid_kernel)+hid_ker
nel):
((((input_kernel*hid_kernel)+hid_kern
el)+hid_kernel)]
    fit_vbias                      =
X[(((input_kernel*hid_kernel)+hid_ke
rnel)+hid_kernel):
(((((input_kernel*hid_kernel)+hid_kern
el)+hid_kernel)+output_kernel)]
    data_result                    =
np.zeros((train_x.shape[0], 5))
    #        data_result           =
np.zeros(train_x.shape[0])

    for input_num in range(1):
        input_x                    =
np.zeros(input_kernel)
        for input_for_hid_num  in
range(hid_kernel):
            if(input_for_hid_num
== 0):
                input_x = train_x

        else:
            input_x                =
np.hstack([input_x, train_x])

        input_x = np.asarray(input_x,
dtype = np.float64,order ='C')
        hid_temp = fit_w * input_x
        hid_result                 =
np.zeros(hid_kernel)
        for      hid_num       in
range(hid_kernel):
            hid_result[hid_num]  =
relu(np.sum(hid_temp[hid_num       *
input_kernel    :    (hid_num       *
input_kernel)   +  input_kernel])   +
fit_wbias[hid_num])


        output_temp    =   fit_v   *
hid_result
        # data_result[input_num] =
np.sum(output_temp + fit_vbias)
        dr = []
        for           xx           in
range(len(fit_vbias)):

dr.append(np.sum(output_temp       +
fit_vbias[xx]))
        data_result[input_num]    =
np.array(dr)
```

```python
    return  data_result


@app.route('/', methods=['GET'])
def main_page():
    return
render_template('index.html')


@app.route('/login', methods=['GET'])
def login_view():
    return
render_template('login_bela.html')


@app.route('/login_process',
methods=['POST'])
def login_process():
    conn = None
    cursor = None
    try:
        _email                  =
request.form['email']
        _password               =
request.form['password']
        # validate the received
values
        if _email and _password and
request.method == 'POST':
            # do not save password
as a plain text

            _hashed_password    =
generate_password_hash(_password)
            # save edits
            sql = "select * from
`user` where email=%s"
            data = ( _email)
            conn = mysql.connect()

            cursor = conn.cursor()
            cursor.execute(sql,
data)
            rows                =
cursor.fetchone()

            compare             =
check_password_hash(rows[6],_passw
ord)
            if (compare):
                session['login']   =
True
                flash('Login
successfully!')
                if
(rows[4]=='admin'):

                    return
redirect('/admin')
                else:
                    return
redirect('/pengguna')
            else:
```

```python
                flash('Wrong Username And Password!')
                return render_template('login_bela.html')
            conn.commit()
        else:
            return 'Error while adding user'
    except Exception as e:
        print(e)
        flash(e)
        return render_template('register_bela.html')
    finally:
        cursor.close()
        conn.close()


@app.route('/pengguna', methods=['GET'])
def pengguna():
    dataset = pd.read_csv('static/uploads/dataset.csv')
    # get unique state
    countries = dataset['Country/state'].unique()
    stratas = dataset['Strata'].unique()
    stratas = stratas[~pd.isna(stratas)]
    countries = countries[~pd.isna(countries)]
    return render_template('pengguna.html',countries=countries,stratas=stratas)


@app.route('/forecast_process', methods=['POST'])
def forecast_process():
    dataset = pd.read_csv('static/uploads/dataset.csv')
    _state = request.form['state']
    _strata = request.form['strata']

    filter_result = dataset.loc[dataset['Country/state'] == _state, :]
    filter_result = filter_result.loc[filter_result['Strata'] == _strata, :]

    years = filter_result['Year'].to_numpy().tolist()
    labour_force = filter_result["Labour force ('000)"].to_numpy().tolist()

    train = filter_result["Labour force ('000)"].iloc[-5:]

    global gbest_pso
    global gbest_bat
```

```python
        input_layer_kernel =
train.shape[0]    # number of input
layer kernel
        hidden_layer_kernel = 10     #
number of hidden layer kernel
        output_layer_kernel = 5

        if
(request.form['algorithm']=='PSO'):
            hasil_pso =
prediksi(gbest_pso,          train,
input_layer_kernel,
hidden_layer_kernel,
output_layer_kernel)
            hasil_bat = hasil_pso
        else :
            hasil_bat =
prediksi(gbest_bat,          train,
input_layer_kernel,
hidden_layer_kernel,
output_layer_kernel)
            hasil_pso = hasil_bat

        psos =
json.dumps(hasil_pso[0].tolist())
        bats =
json.dumps(hasil_bat[0].tolist())
        algorithm =
request.form['algorithm']

        years_predict =
list(range(int(years[-1])    +    1,
int(years[-1]) + 6))

        #           psos =
json.dumps(labour_force)
        #           bats =
json.dumps(labour_force)


        return
render_template('forecast_result.html',
years=json.dumps(years_predict),psos
=psos,bats=bats,algorithm=algorithm)


@app.route('/admin',
methods=['GET'])
def admin():
        return
render_template('adm_menu.html')

@app.route('/adm_process',
methods=['POST'])
def adm_process():
        if
request.files["dataset"].filename != '':
            f = request.files["dataset"]
            filename =
secure_filename(f.filename)
```

```python
            filename='dataset.csv'
            path                   =
os.path.join('static/uploads/', filename)
            f.save(path)

            # Picture is saved under the
default upload_folder (static/uploads/)
            exel    =    os.path.join('/',
'static/uploads/', filename)
            flash('File Tersimpan')
    return
render_template('adm_menu.html')


@app.route('/register',
methods=['GET'])
def reg_view():
    return
render_template('register_bela.html')

@app.route('/logout',
methods=['GET'])
def logout():
    session['login']=False
    return
render_template('index.html')


@app.route('/register_process',
methods=['POST'])
def register_process():
```

```python
    conn = None
    cursor = None
    try:
        _name              =
request.form['name']
        _email             =
request.form['email']
        _password          =
request.form['password']
        _phone             =
request.form['phone']
        _address           =
request.form['address']
        _position=
request.form['position']
        # validate the received
values
        if _name and _email and
_password  and  request.method  ==
'POST':
            # do not save password
as a plain text
            _hashed_password    =
generate_password_hash(_password)
            # save edits
            sql = "INSERT  INTO
`user`(`fullname`,         `phone`,
`address`,`position`,`email`,`password`)
VALUES(%s, %s, %s,%s, %s, %s)"
```

```python
            data = (_name, _phone, _address, _position,
_email, _hashed_password)
            conn = mysql.connect()
            cursor = conn.cursor()
            cursor.execute(sql,
data)
            conn.commit()
            flash('User            added
successfully!')
            return redirect('/login')
        else:
            return 'Error   while
adding user'
    except Exception as e:
        print(e)
        flash(e)
        return
render_template('register_bela.html')
    finally:
        cursor.close()
        conn.close()


@app.route('/new_user',
methods=['GET'])
def add_user_view():
    return
render_template('add.html')


@app.route('/pemilihan',
methods=['GET'])
def pemilihan_view():
    return
render_template('pemilihan.html')


@app.route('/pendaftaran',
methods=['GET'])
def pendaftaran_view():
    return
render_template('pendaftaran.html')


@app.route('/proses_pendaftaran',
methods=['POST'])
def proses_pendaftaran_view():
    print(request.form['kode_jari'])
    #munculkan page tempelkan jari
anda
    return
render_template('step1.html')


@app.route('/next_step',
methods=['POST'])
def next_step():
    #munculkan page tempelkan jari
anda
```

```python
        return
render_template('step2.html')


@app.route('/final_step',
methods=['POST'])
def final_step():
    #munculkan page tempelkan jari
anda
    return
render_template('final.html')


@app.route('/add', methods=['POST'])
def add_user():
    conn = None
    cursor = None
    try:
        _name                    =
request.form['inputName']
        _email                   =
request.form['inputEmail']
        _password                =
request.form['inputPassword']
        # validate the received
values
        if _name and _email and
_password  and  request.method  ==
'POST':
            # do not save password
as a plain text
            _hashed_password    =
generate_password_hash(_password)
            # save edits
            sql = "INSERT  INTO
`tbl_user`(`user_name`, `user_email`,
`user_password`)
VALUES(%s, %s, %s)"
            data = (_name, _email,
_hashed_password,)
            conn = mysql.connect()
            cursor = conn.cursor()
            cursor.execute(sql,
data)
            conn.commit()
            flash('User        added
successfully!')
            return redirect('/')
        else:
            return   'Error   while
adding user'
    except Exception as e:
        print(e)
    finally:
        cursor.close()
        conn.close()


@app.route('/user_ivew')
def user():
```

```python
    conn = None
    cursor = None
    try:
        conn = mysql.connect()
        cursor = conn.cursor(pymysql.cursors.DictCursor)
        cursor.execute("SELECT * FROM tbl_user")
        rows = cursor.fetchall()
        table = Results(rows)
        table.border = True
        return render_template('users.html', table=table)
    except Exception as e:
        print(e)
    finally:
        cursor.close()
        conn.close()


@app.route('/prediction')
def home():
    return render_template('index_old.html')


@app.route('/prediction2')
def home2():
    return render_template('index_niken.html')


@app.route('/predict', methods=['POST'])
def predict():
    # Get value from HTML
    feature = [x for x in request.form.values()]

    #One Hot Encode Country
    d = {'China': '0', 'Italy': '1', 'Iran': '2', 'Republic of Korean': '3', 'France': '4', 'Spain': '5', 'Germany': '6', 'UAE': '7',
         'Other-EUR': '8', 'Other': '9'}
    feature[22] = d[feature[22]]
    feature = [int(x) for x in feature]

    final_feature = [np.array(feature)]
    prediction = model.predict(final_feature)

    output = {0: 'None', 1: 'Mild'}

    return render_template('index_old.html', output_prediction="Prediction is: {}".format(output[prediction[0]]))
```

```python
@app.route('/edit/<int:id>')
def edit_view(id):
    conn = None
    cursor = None
    try:
        conn = mysql.connect()
        cursor = conn.cursor(pymysql.cursors.DictCursor)
        cursor.execute("SELECT * FROM tbl_user WHERE user_id=%s", id)
        row = cursor.fetchone()
        if row:
            return render_template('edit.html', row=row)
        else:
            return 'Error loading #{id}'.format(id=id)
    except Exception as e:
        print(e)
    finally:
        cursor.close()
        conn.close()


@app.route('/update', methods=['POST'])
def update_user():
    conn = None
    cursor = None
    try:
        _name = request.form['inputName']
        _email = request.form['inputEmail']
        _password = request.form['inputPassword']
        _id = request.form['id']
        # validate the received values
        if _name and _email and _password and _id and request.method == 'POST':
            # do not save password as a plain text
            _hashed_password = generate_password_hash(_password)

            print(_hashed_password)
            # save edits
            sql = "UPDATE tbl_user SET user_name=%s, user_email=%s, user_password=%s WHERE user_id=%s"
            data = (_name, _email, _hashed_password, _id,)
            conn = mysql.connect()
            cursor = conn.cursor()
            cursor.execute(sql, data)
            conn.commit()
```

```python
                flash('User updated
successfully!')
                return redirect('/')
            else:
                return 'Error while
updating user'
        except Exception as e:
            print(e)
        finally:
            cursor.close()
            conn.close()


@app.route('/delete/<int:id>')
def delete_user(id):
    conn = None
    cursor = None
    try:
        conn = mysql.connect()
        cursor = conn.cursor()
        cursor.execute("DELETE
FROM tbl_user WHERE user_id=%s",
(id,))
        conn.commit()
        flash('User deleted
successfully!')
        return redirect('/')
    except Exception as e:
        print(e)
    finally:
        cursor.close()
```

```python
        conn.close()


if __name__ == "__main__":
    app.run(debug=True)
    app.secret_key =
'SecretYaRahasia'
```

index.html

```html
{% extends "layout_bela.html" %}


{% block main %}
<div class="main-banner wow fadeIn"
id="top"    data-wow-duration="1s"
data-wow-delay="0.5s">
    <div class="container">
        <div class="row">
            <div class="col-lg-12">
                <div class="row">
                    <div    class="col-lg-6
align-self-center">
                        <div
class="left-content    show-up
header-text    wow    fadeInLeft"
data-wow-duration="1s"
data-wow-delay="1s">
                            <div class="row">
                                <div
class="col-lg-12">
```

```html
<h2>Labour Force Prediction Analysis Using PSO And BAT Algorithm</h2>
<!--                        <p>Chain App Dev is an app landing page HTML5 template based on Bootstrap v5.1.3 CSS layout provided by TemplateMo, a great website to download free CSS templates.</p>-->
                        </div>
                        <div class="col-lg-12">

                            <div class="white-button          first-button scroll-to-section">
                                <a class="btn      btn       btn-primary" href="/login">Login <i class="fab fa-jenkins"></i></a>
                            </div>
                            <div class="white-button scroll-to-section">
                                <a class="btn                     btn-primary" href="/register">Register      <i class="fab fa-typo3"></i></a>
                            </div>
                        </div>
                    </div>
```

```html
                </div>
            </div>
            <div class="col-lg-6">
                <div class="right-image wow fadeInRight" data-wow-duration="1s" data-wow-delay="0.5s">
                    <img src="/static/assets/images/about-right-dec.png" alt="" width="10%">
                </div>
            </div>
        </div>
    </div>
</div>

    </div>
</div>
{% endblock %}
```

add.html

```html
<doctype html>
    <title>Add User - Python Flask MySQL CRUD</title>
    <h2>Form Deteksi Covid-19</h2>
    <form method="post" action="/add">
        <dl>
```

```html
            <p>
<label>Fever</label><br>
                <select id="Fever"
name="Fever">
                    <option
value="0">False</option>
                    <option
value="1">True</option>
                </select>
            </p>
            <p>

<label>Tiredness</label><br>
                <select
id="Tiredness" name="Tiredness">
                    <option
value="0">False</option>
                    <option
value="1">True</option>
                </select>
            </p>
            <p>
                <label>Dry
Cough</label><br>
                <select
id="DryCough" name="DryCough">
                    <option
value="0">False</option>
                    <option
value="1">True</option>
```
```html
                </select>
            </p>
            <p>
                <label>Difficulty
in Breathing</label><br>
                <select
id="DifficultyinBreathing"
name="DifficultyinBreathing">
                    <option
value="0">False</option>
                    <option
value="1">True</option>
                </select>
            </p>
            <p>
                <label>Sore
Throat</label><br>
                <select
id="SoreThroat" name="SoreThroat">
                    <option
value="0">False</option>
                    <option
value="1">True</option>
                </select>
            </p>
            <p>
                <label>None
Sympton</label><br>
                <select
id="NoneSympton"
name="NoneSympton">
```

```html
            <option value="0">False</option>
            <option value="1">True</option>
        </select>
    </p>
    <p>
        <label>Pains</label><br>
        <select id="Pains" name="Pains">
            <option value="0">False</option>
            <option value="1">True</option>
        </select>
    </p>
    <p>
        <label>Nasal Congestion</label><br>
        <select id="NasalCongestion" name="NasalCongestion">
            <option value="0">False</option>
            <option value="1">True</option>
        </select>
    </p>
    <p>
        <label>Runny Nose</label><br>
        <select id="RunnyNose" name="RunnyNose">
            <option value="0">False</option>
            <option value="1">True</option>
        </select>
    </p>
    <p>
        <label>Diarrhea</label><br>
        <select id="Diarrhea" name="Diarrhea">
            <option value="0">False</option>
            <option value="1">True</option>
        </select>
    </p>
    <p>
        <label>None Experiencing</label><br>
        <select id="NoneExperiencing" name="NoneExperiencing">
            <option value="0">False</option>
```

```html
                        <option value="1">True</option>
                    </select>
                </p>
                <p>
                    <label>Age 0-9</label><br>
                    <select id="Age0-9" name="Age0-9">
                        <option value="0">False</option>
                        <option value="1">True</option>
                    </select>
                </p>
                <p>
                    <label>Age 10-19</label><br>
                    <select id="Age10-19" name="Age10-19">
                        <option value="0">False</option>
                        <option value="1">True</option>
                    </select>
                </p>
                <p>
                    <label>Age 20-24</label><br>
                    <select id="Age20-24" name="Age20-24">
                        <option value="0">False</option>
                        <option value="1">True</option>
                    </select>
                </p>
                <p>
                    <label>Age 25-59</label><br>
                    <select id="Age25-59" name="Age25-59">
                        <option value="0">False</option>
                        <option value="1">True</option>
                    </select>
                </p>
                <p>
                    <label>Age 60+</label><br>
                    <select id="Age60+" name="Age60+">
                        <option value="0">False</option>
                        <option value="1">True</option>
                    </select>
                </p>
                <p>
                    <label>Gender Female</label><br>
```

```html
<select id="GenderFemale" name="GenderFemale">
    <option value="0">False</option>
    <option value="1">True</option>
</select>
</p>
<p>
    <label>Gender Male</label><br>
    <select id="GenderMale" name="GenderMale">
        <option value="0">False</option>
        <option value="1">True</option>
    </select>
</p>
<p>
    <label>Gender Transgender</label><br>
    <select id="GenderTransgender" name="GenderTrasgender">
        <option value="0">False</option>
        <option value="1">True</option>
```

```html
</select>
</p>
<p>
    <label>Contact Dont Know</label><br>
    <select id="ContactDontKnow" name="ContactDontKnow">
        <option value="0">False</option>
        <option value="1">True</option>
    </select>
</p>
<p>
    <label>Contact No</label><br>
    <select id="ContactNo" name="ContactNo">
        <option value="0">False</option>
        <option value="1">True</option>
    </select>
</p>
<p>
    <label>Contact Yes</label><br>
    <select id="ContactYes" name="ContactYes">
```

```html
                    <option
value="0">False</option>
                    <option
value="1">True</option>
                    </select>
                    </p>
                    <p>

<label>Country</label><br>
                    <select
id="Country" name="Country">
                        <option
value="China">China</option>
                        <option
value="Italy">Italy</option>
                        <option
value="Iran">Iran</option>
                        <option
value="RepublicofKorean">Republic
of Korean</option>
                        <option
value="France">France</option>
                        <option
value="Spain">Spain</option>
                        <option
value="Germany">Germany</option>
                        <option
value="UAE">UAE</option>
                        <option
value="OtherEUR">Other
EUR</option>
                        <option
value="Other">Other</option>
                    </select>
                    </p>
                </dl>
                <p>
                    <input   type="submit"
value="Submit">
                </p>
            </form>
```

adm_menu.html

```html
{% extends "layout_bela.html" %}

{% block main %}
<div class="main-banner wow fadeIn"
id="top"     data-wow-duration="1s"
data-wow-delay="0.5s">
    <div class="container">
        <div class="row">
            <div class="col-lg-12">
                <div class="row">
                    <div class="col-lg-6">
                        <div
class="right-image  wow  fadeInRight"
data-wow-duration="1s"
data-wow-delay="0.5s">
```

```html
            <img
src="/static/assets/images/adminoagee.
png" alt="">
            </div>
            </div>
            <div      class="col-lg-6
align-self-center">
            <div
class="left-content           show-up
header-text     wow      fadeInLeft"
data-wow-duration="1s"
data-wow-delay="1s">
            <div class="row">
            <div
class="col-lg-12">
<!--
<h2>Labour      Force     Prediction
Analysis   using    PSO    and    BAT
Algorithm</h2>-->
<!--                    <p>Chain
App  Dev  is  an  app  landing  page
HTML5 template based on Bootstrap
v5.1.3    CSS    layout    provided    by
TemplateMo,   a   great   website   to
download free CSS templates.</p>-->
            </div>
            <div
class="col-lg-12">

            <div
class="pricing-item-pro">
```

```html
            <h4>Labour      Force
Prediction  Analysis  Using  <br>  PSO
And BAT Algorithm</h4>
            <form
action="/adm_process"
method="POST"          role="form"
enctype="multipart/form-data">
<!--
<legend>Login</legend>-->

            <div
class="form-group">
            <label
for="">Enter Dataset:</label>
            <input  type="file"
id="dataset"          name="dataset"
class="form-control"
placeholder="Dataset">
            </div>



            <div
class="border-button">
            <button
type="submit"          class="btn
btn-primary">Upload</button>
            </div>

            </form>
            </div>
```

```
                    </div>
                  </div>
                </div>
              </div>


            </div>
          </div>
        </div>


      </div>
    </div>
{% endblock %}
```

edit.html

```
<doctype html>
    <title>Edit User - Python Flask
MySQL CRUD</title>
    <h2>Edit User</h2>
    <form             method="post"
action="/update">
        <dl>
          <p>
            <input
name="inputName"
value="{{ row['user_name'] }}"

type="text"        placeholder="Name"
autocomplete="off" required>
          </p>
```

```
          <p>
            <input
name="inputEmail"
value="{{ row['user_email'] }}"


type="text"        placeholder="Email"
autocomplete="off" required>
          </p>
          <p>
            <input
name="inputPassword" value=""


type="password"
placeholder="Password"
autocomplete="off" required>
          </p>
        </dl>
        <p>
          <input        name="id"
value="{{    row['user_id']    }}"
type="hidden">
          <input   type="submit"
value="Submit">
        </p>
    </form>
```

forcast_result.html

```
    {%                      extends
"layout_bela.html" %}
```

```
{% block main %}

<style>
    .card {
        width: auto;
        margin-top : 20px;
        padding: 20px;
        border: 1px solid #ccc;
        border-radius: 20px;
        box-shadow: 0 2px 4px rgba(0, 0, 0, 0.1);
    }

    .card-title {
        font-size: 18px;
        font-weight: bold;
        margin-bottom: 10px;
    }

    .card-text {
        font-size: 14px;
        color: #555;
    }
</style>
<div class="main-banner2" id="top" data-wow-duration="1s" data-wow-delay="0.5s">
    <div class="container">
        <div class="row">
            <div class="col-lg-6">
                <div class="row">
                    <div class="col-lg-12">
                        <div class="pricing-item-pro">
                            <h4>Prediction Year {{year}}</br>Labour Force Using {{algorithm}} Result {{pso}}
                            </h4>
                        </div>
                    </div>
                    <div class="col-lg-12">
                        <div class="card">
                            <h2 class="card-title">Analytic</h2>
                            <p class="card-text">The years
```

2022-2026 are the results of predictions that are weighted with the projected labour force from 1982-2021. The meaning of prediction is the result of predicting or estimating future values using past data. The graph is the result of an estimate using the labour force data set from 1982-2021 taken from the Jabatan Perangkaan Malaysia and processed using the Particle Swarm Optimization & Bat Algorithm method

```html
                </p>

        </div>

                    <div
class="">
```

```html
                <div
class="col-lg-12 align-self-center">
                    <div
class="left-content        show-up
header-text      wow      fadeInLeft"
data-wow-duration="1s"
data-wow-delay="1s">
                        <div
class="row">
                            <div
class="col-lg-12">
                                <div>

<canvas      style="background-color:
#fff;"    id="myChart"    width="200"
height="200"></canvas>

</div>
```

```html
                </div>

                    </div>

                </div>

        </div>

        <div class="col-6">
            <div class="row">
```

```html
                                </div>
                                </div>
                            </div>
                            </div>
                            <div
class="col-lg-6        align-self-center"
hidden>
                                <div
class="left-content        show-up
header-text      wow      fadeInLeft"
data-wow-duration="1s"
data-wow-delay="1s">
```

```html
<div class="row">
    <div class="col-lg-12">
        <div>

<canvas style="background-color: #fff;" id="myChart2" width="200" height="200"></canvas>

</div>

            </div>
          </div>
         </div>
        </div>
       </div>
      </div>

    </div>
   </div>
  <script src="https://cdn.jsdelivr.net/npm/chart.js"></script>
  <script>
    var years = JSON.parse({{ years | tojson | safe }});
    var psos = JSON.parse({{ psos | tojson | safe }});
```

```js
    var bats = JSON.parse({{ bats | tojson | safe }});
    var algorithm = "{{algorithm}}";
    console.log(algorithm);
    const ctx = document.getElementById('myChart').getContext('2d');
    const ctx2 = document.getElementById('myChart2').getContext('2d');
    const myChart = new Chart(ctx, {
      type: 'line',
      data: {
        labels: years,
        datasets: [{
          label: 'Labour Force Graph ' + algorithm,
          data: psos, // Data on Y axis
          borderColor: '#ff6384',
          borderWidth: 5,
          pointBackgroundColor: '#ff6384',
          pointBorderColor: '#ff0000',
          pointBorderWidth: 5,
          pointRadius: 4,
          fill: 'origin',
```

```
                backgroundColor:
'rgba(255, 99, 132, 0.2)',
                lineTension: 0.4,
            }]
        },

    });

    const myChart2 = new Chart(ctx2,
{
        type: 'line',
        data: {
            labels: years,
            datasets: [{
                label: 'Labour Force
Graph (BAT)',
                data: bats, // Data on
Y axis
                borderWidth: 1
            }]
        }
    });

    </script>

    {% endblock %}
```

layout.html

```
    <!DOCTYPE html>
```

```
    <!--[if lt IE 7]>        <html
class="no-js    lt-ie9   lt-ie8   lt-ie7">
<![endif]-->
    <!--[if IE 7]>           <html
class="no-js       lt-ie9       lt-ie8">
<![endif]-->
    <!--[if IE 8]>           <html
class="no-js lt-ie9"> <![endif]-->
    <!--[if gt IE 8]><!--> <html
class="no-js"> <!--<![endif]-->
        <head>
            {% block head %}
            <meta charset="utf-8">
            <meta
http-equiv="X-UA-Compatible"
content="IE=edge,chrome=1">
            <title>ITP DWD Python
Login Demo</title>
            <meta
name="description" content="">
            <meta name="viewport"
content="width=device-width">
            <link    rel="stylesheet"
href="//cdnjs.cloudflare.com/ajax/libs/
twitter-bootstrap/3.0.0-rc2/css/bootstra
p.min.css">
            <style>
                body {
                    padding-top:
60px;
```

```
            padding-bottom: 40px;
            }
        </style>

        <script
src="//cdnjs.cloudflare.com/ajax/libs/
modernizr/2.6.2/modernizr.min.js"></
script>
        {% endblock %}
    </head>
    <body>

        <nav            class="navbar
navbar-default      navbar-fixed-top"
role="navigation">
            <a    class="navbar-brand"
href="#">ITP    Py    Flask    Login
Demo</a>
            <ul             class="nav
navbar-nav">
                <li>
                    <a
href="/">Home</a>
                </li>
                <li>
                    <a
href="/notes/create">Create    new
note</a>
                </li>
                <li>
```

```
                </li>
                <li>
                    <a
href="/logout">Logout</a>
                </li>
                <li><a
href="/login">Login</a></li>
                <li><a
href="/register">Register</a></li>
            </ul>
        </nav>

        <div class="container">

            {%    block    main    %}{%
endblock %}

            <hr>
            <footer>
                <a
href="https://github.com/johnschimme
l/Python-Flask-Login-Sample">Githu
b code</a>
            </footer>
        </div> <!-- /container -->

            {% block scripts %}
```

```
        <script
src="//cdnjs.cloudflare.com/ajax/libs/j
query/2.0.3/jquery.min.js"></script>
        <script
src="//cdnjs.cloudflare.com/ajax/libs/t
witter-bootstrap/3.0.0-rc2/js/bootstrap.
min.js

    "></script>
        <script
src="/static/js/main.js"></script>

    {% endblock %}
    </body>
    </html>
```

login_bela.html

```
    {%                      extends
"layout_bela.html" %}

    {% block main %}
    <div                 id="pricing"
class="pricing-tables">
        <div class="container">
            <div class="row">

                <div class="col-lg-4">
                </div>
                <div class="col-lg-4">
```

```
                <div
class="pricing-item-pro">
                    <span
class="price"></span>
                        <h4>Login</h4>
                        <div class="icon">
                            <img
src="/static/assets/images/loginn.png"
alt="">
                        </div>
                        <form
action="/login_process"
method="POST" role="form">
                            <div
class="form-group">
                                <label
for="">Email:</label>
                                <input
type="email"          id="email"
name="email"    class="form-control"
placeholder="Email">
                            </div>

                            <div
class="form-group">
                                <label
for="">Password:</label>
                                <input
type="password"    name="password"
id="password"    class="form-control"
required="required" title="">
```

```
        </div>

            <div class="border-button">
                <button type="submit" class="btn btn-primary">Login</button>
            </div>

        </form>

        </div>
        </div>

        </div>
        </div>
        </div>


    {% endblock %}
```

pemilihan.html

```
    <!DOCTYPE html>
    <html lang="en">

        <head>
            <meta charset="utf-8">
            <meta content="width=device-width, initial-scale=1.0" name="viewport">
            <title>HeroBiz Bootstrap Template - Home 1</title>
            <meta content="" name="description">
            <meta content="" name="keywords">

            <!-- Favicons -->
            <link href="/static/assets/img/favicon.png" rel="icon">
            <link href="/static/assets/img/apple-touch-icon.png" rel="apple-touch-icon">

            <!-- Google Fonts -->
            <link rel="preconnect" href="https://fonts.googleapis.com">
            <link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
            <link href="https://fonts.googleapis.com/css2?family=Open+Sans:ital,wght@0,300;0,400;0,500;0,600;0,700;1,300;1,40
```

0;1,500;1,600;1,700&family=Poppins: ital,wght@0,300;0,400;0,500;0,600;0, 700;1,300;1,400;1,500;1,600;1,700&f amily=Source+Sans+Pro:ital,wght@0, 300;0,400;0,600;0,700;1,300;1,400;1, 600;1,700&display=swap" rel="stylesheet">

<!-- Vendor CSS Files -->
<link href="/static/assets/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
<link href="/static/assets/vendor/bootstrap-icons/bootstrap-icons.css" rel="stylesheet">
<link href="/static/assets/vendor/aos/aos.css" rel="stylesheet">
<link href="/static/assets/vendor/glightbox/css/glightbox.min.css" rel="stylesheet">
<link href="/static/assets/vendor/swiper/swiper-bundle.min.css" rel="stylesheet">

<!-- Variables CSS Files. Uncomment your preferred color scheme -->

<link href="/static/assets/css/variables.css" rel="stylesheet">
<!-- <link href="assets/css/variables-blue.css" rel="stylesheet"> -->
<!-- <link href="assets/css/variables-green.css" rel="stylesheet"> -->
<!-- <link href="assets/css/variables-orange.css" rel="stylesheet"> -->
<!-- <link href="assets/css/variables-purple.css" rel="stylesheet"> -->
<!-- <link href="assets/css/variables-red.css" rel="stylesheet"> -->
<!-- <link href="assets/css/variables-pink.css" rel="stylesheet"> -->

<!-- Template Main CSS File -->
<link href="/static/assets/css/main.css" rel="stylesheet">

<!-- ==========================

```
============================
=
    * Template Name: HeroBiz -
v2.1.0
    *        Template        URL:
https://bootstrapmade.com/herobiz-bo
otstrap-business-template/
    * Author: BootstrapMade.com
    *                      License:
https://bootstrapmade.com/license/

============================
============================
== -->
  </head>

  <body>

    <main id="main">

      <!-- ======= Team Section
======= -->
      <section          id="team"
class="team">
        <div        class="container"
data-aos="fade-up">

          <div
class="section-header">
            <h2>E Voting</h2>
```

```
            <p>Silahkan      Pilih
Sesuai Hati Nurani Anda</p>
          </div>

          <div class="row gy-5">

            <div     class="col-xl-4
col-md-6  d-flex"  data-aos="zoom-in"
data-aos-delay="200">
              <div
class="team-member">
                <div
class="member-img">
                  <img
src="/static/assets/img/team/team-1.jp
g" class="img-fluid" alt="">
                </div>
                <div
class="member-info">
                  <h4>Walter
White</h4>
                  <span>Calon
1</span>
                </div>
              </div>
            </div><!-- End Team
Member -->

            <div     class="col-xl-4
col-md-6  d-flex"  data-aos="zoom-in"
data-aos-delay="400">
```

```html
				<div class="team-member">
					<div class="member-img">
						<img src="/static/assets/img/team/team-2.jpg" class="img-fluid" alt="">
					</div>
					<div class="member-info">
						<h4>Sarah Jhonson</h4>
						<span>Calon 2</span>
					</div>
				</div>
			</div><!-- End Team Member -->

			<div class="col-xl-4 col-md-6 d-flex" data-aos="zoom-in" data-aos-delay="600">
				<div class="team-member">
					<div class="member-img">
						<img src="/static/assets/img/team/team-3.jpg" class="img-fluid" alt="">
					</div>
					<div class="member-info">
						<h4>William Anderson</h4>
						<span>Calon 3</span>
					</div>
				</div>
			</div><!-- End Team Member -->

		</div>

	</div>
</section><!-- End Team Section -->

	<div class="container">
		<div class="row gy-5 gx-lg-12">
			<div class="col-lg-12">
				<form action="/pendaftaran" method="get" role="form" >
					<div class="text-center">
						<button class="btn-primary btn-lg " style="font-size: 3rem;"
```

type="submit">Belum Terdaftar Sebagai Pemilih?</button>
                    </div>
                  </form>
                </div>
              </div>
            </div>
      </main><!-- End #main -->

      <!-- ======= Footer ======= -->
      <footer id="footer" class="footer">

      </footer><!-- End Footer -->

      <i class="bi bi-arrow-up-short"></i>

        <div id="preloader"></div>

        <!-- Vendor JS Files -->
        <script src="/static/assets/vendor/bootstrap/js/bootstrap.bundle.min.js"></script>
        <script src="/static/assets/vendor/aos/aos.js"></script>

      <script src="/static/assets/vendor/glightbox/js/glightbox.min.js"></script>
      <script src="/static/assets/vendor/isotope-layout/isotope.pkgd.min.js"></script>
      <script src="/static/assets/vendor/swiper/swiper-bundle.min.js"></script>
      <script src="/static/assets/vendor/php-email-form/validate.js"></script>

        <!-- Template Main JS File -->
        <script src="/static/assets/js/main.js"></script>

        </body>

        </html>

pendaftaran.html

      <!DOCTYPE html>
      <html lang="en">
        <head>
          <meta charset="utf-8">
          <meta content="width=device-width, initial-scale=1.0" name="viewport">

```html
<title>HeroBiz Bootstrap Template - Home 1</title>
<meta content="" name="description">
<meta content="" name="keywords">

<!-- Favicons -->
<link href="/static/assets/img/favicon.png" rel="icon">
<link href="/static/assets/img/apple-touch-icon.png" rel="apple-touch-icon">

<!-- Google Fonts -->
<link rel="preconnect" href="https://fonts.googleapis.com">
<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
<link href="https://fonts.googleapis.com/css2?family=Open+Sans:ital,wght@0,300;0,400;0,500;0,600;0,700;1,300;1,400;1,500;1,600;1,700&family=Poppins:ital,wght@0,300;0,400;0,500;0,600;0,700;1,300;1,400;1,500;1,600;1,700&family=Source+Sans+Pro:ital,wght@0,300;0,400;0,600;0,700;1,300;1,400;1,600;1,700&display=swap" rel="stylesheet">

<!-- Vendor CSS Files -->
<link href="/static/assets/vendor/bootstrap/css/bootstrap.min.css" rel="stylesheet">
<link href="/static/assets/vendor/bootstrap-icons/bootstrap-icons.css" rel="stylesheet">
<link href="/static/assets/vendor/aos/aos.css" rel="stylesheet">
<link href="/static/assets/vendor/glightbox/css/glightbox.min.css" rel="stylesheet">
<link href="/static/assets/vendor/swiper/swiper-bundle.min.css" rel="stylesheet">

<!-- Variables CSS Files. Uncomment your preferred color scheme -->
<link href="/static/assets/css/variables.css" rel="stylesheet">
<!-- <link href="assets/css/variables-blue.css" rel="stylesheet"> -->
<!-- <link href="assets/css/variables-green.css" rel="stylesheet"> -->
```

```html
    <!-- <link
href="assets/css/variables-orange.css"
rel="stylesheet"> -->
    <!-- <link
href="assets/css/variables-purple.css"
rel="stylesheet"> -->
    <!-- <link
href="assets/css/variables-red.css"
rel="stylesheet"> -->
    <!-- <link
href="assets/css/variables-pink.css"
rel="stylesheet"> -->
    <!-- Template Main CSS File
-->
    <link
href="/static/assets/css/main.css"
rel="stylesheet">
    <!--
============================
============================
=
    * Template Name: HeroBiz -
v2.1.0
    * Template URL:
https://bootstrapmade.com/herobiz-bo
otstrap-business-template/
    * Author: BootstrapMade.com
    * License:
https://bootstrapmade.com/license/

============================
============================
== -->
  </head>
  <body>
    <main id="main">
      <section id="contact"
class="contact">
        <div class="container">
          <div
class="section-header">
            <h2>Pendaftaran
Jari</h2>
            <p>Silahkan Minta
Kepada Petugas Kode Jari Anda </p>
          </div>
        </div>

        <div class="container">
          <div class="row gy-5
gx-lg-5">
            <div
class="col-lg-4">
              <div
class="info">
                <h3>Kontak
Petugas</h3>
                <p>Hubungi
Kontak berikut untuk mendapatkan
kode jari.</p>
                <div
class="info-item d-flex">
```

```html
                              <i class="bi
bi-geo-alt flex-shrink-0"></i>
                                 <div>

<h4>Alamat:</h4>

<p>POLTEK          SRIWIJAYA,Bukit
Besar, Palembang</p>
                                 </div>
                              </div>
                              <div
class="info-item d-flex">
                                 <i class="bi
bi-envelope flex-shrink-0"></i>
                                 <div>

<h4>Email:</h4>

<p>admin@polsri.ac.id</p>
                                 </div>
                              </div>
                              <div
class="info-item d-flex">
                                 <i class="bi
bi-phone flex-shrink-0"></i>
                                 <div>

<h4>Hp:</h4>
                                    <p>+62
711 731123</p>
                                 </div>
```
```html
                                 </div>
                              </div>
                           </div>
                           <div
class="col-lg-8">
                              <form
action="/proses_pendaftaran"
method="post" role="form" >
                                 <div
class="row">
                                    <div
class="col-md-12 form-group">
                                       <input
style="font-size:125px;"    type="text"
name="kode_jari"
class="form-control"   id="kode_jari"
placeholder="Kode Jari" required>
                                    </div>

                                 </div>

                                 <div
class="text-center">
                                    <button
type="submit">Proses
Pendaftaran</button>
                                 </div>
                              </form>
                           </div>
                        </div>
                     </div>
```

```
        </section>
      </main>
      <!-- End #main -->
      <!-- ======= Footer
======= -->
      <footer        id="footer"
class="footer"></footer>
      <!-- End Footer -->
      <a href="#" class="scroll-top
d-flex          align-items-center
justify-content-center">
        <i          class="bi
bi-arrow-up-short"></i>
      </a>
      <div id="preloader"></div>
      <!-- Vendor JS Files -->
      <script
src="/static/assets/vendor/bootstrap/js/
bootstrap.bundle.min.js"></script>
      <script
src="/static/assets/vendor/aos/aos.js">
</script>
      <script
src="/static/assets/vendor/glightbox/js/
glightbox.min.js"></script>
      <script
src="/static/assets/vendor/isotope-layo
ut/isotope.pkgd.min.js"></script>
      <script
src="/static/assets/vendor/swiper/swip
er-bundle.min.js"></script>
```

```
      <script
src="/static/assets/vendor/php-email-f
orm/validate.js"></script>
      <!-- Template Main JS File
-->
      <script
src="/static/assets/js/main.js"></script
>
    </body>
  </html>
```

pengguna.html

```
    {%                    extends
"layout_bela.html" %}

    {% block main %}
    <div    class="main-banner   wow
fadeIn"                   id="top"
data-wow-duration="1s"
data-wow-delay="0.5s">
      <div class="container">
        <div class="row">
          <div class="col-lg-12">
            <div class="row">
              <div
class="col-lg-6">
                <div
class="right-image wow fadeInRight"
```

```
                data-wow-duration="1s"
                data-wow-delay="0.5s">
                                <img
src="/static/assets/images/Presentation.
png" alt="">
                            </div>
                        </div>
                        <div
class="col-lg-6 align-self-center">
                            <div
class="left-content        show-up
header-text     wow     fadeInLeft"
data-wow-duration="1s"
data-wow-delay="1s">
                                <div
class="row">
                                    <div
class="col-lg-12">
        <!--
<h2>Labour     Force     Prediction
Analysis   using   PSO   and   BAT
Algorithm</h2>-->
        <!--
<p>Chain App Dev is an app landing
page   HTML5   template   based   on
Bootstrap v5.1.3 CSS layout provided
by  TemplateMo,  a  great  website  to
download free CSS templates.</p>-->
                                    </div>
                                    <div
class="col-lg-12">
```

```
                        <div
class="pricing-item-pro">
                            <h4> Labour Force
Prediction  Analysis  using  <br>  PSO
and BAT Algorithm</h4>
                                        <form
action="/forecast_process"
method="POST"          role="form"
enctype="multipart/form-data">
        <!--
<legend>Login</legend>-->

                                <div
class="form-group">
                                    <label
for="">Select Country:</label>
                                        <select
id="state"           name="state"
class="form-control">
                {% for c in countries %}

<option
value="{{c}}">{{c}}</option>
                {% endfor %}
                            </select>
                        </div>
                        <div
class="form-group">
                            <label
for="">Select Strata:</label>
```

```html
            <select id="strata" name="strata" class="form-control">
                {% for s in stratas %}

                <option value="{{s}}">{{s}}</option>
                {% endfor %}

            </select>
        </div>



        <div class="form-group">
            <label for="">Select Algorithm:</label>
            <select id="algorithm" name="algorithm" class="form-control">

                <option value="pso">PSO</option>

                <option value="bat">BAT</option>
            </select>
        </div>


            <div class="border-button">
                            <button type="submit" class="btn btn-primary">Forecast</button>
                        </div>


                    </form>
                </div>
            </div>
            </div>
            </div>



            </div>
            </div>
            </div>


            </div>
        </div>
    {% endblock %}


**refector.html**

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>Title</title>
</head>
<body>
```

```html
<div class="d-flex flex-column mb-3">
    <div class="p-2 form-group">
<label><b>Fever</b></label>
        <select class="form-control" id="Fever" name="Fever">
            <option value="0">False</option>
            <option value="1">True</option>
        </select>
    </div>
    <div class="p-2 form-group">
<label><b>Tiredness</b></label>
        <select class="form-control" id="Tiredness" name="Tiredness">
            <option value="0">False</option>
            <option value="1">True</option>
        </select>
    </div>
    <div class="p-2 form-group">
        <label><b>Difficulty in Breathing</b></label>
        <select class="form-control" id="DifficultyinBreathing" name="DifficultyinBreathing">
            <option value="0">False</option>
            <option value="1">True</option>
        </select>
    </div>
    <div class="p-2 form-group">
        <label><b>Sore Throat</b></label>
        <select class="form-control" id="SoreThroat" name="SoreThroat">
            <option value="0">False</option>
            <option value="1">True</option>
        </select>
    </div>
    <div class="p-2 form-group">
        <label><b>None Sympton</b></label>
        <select class="form-control" id="NoneSympton" name="NoneSympton">
            <option value="0">False</option>
            <option value="1">True</option>
        </select>
    </div>
    <div class="p-2 form-group">
```

```html
<label><b>Pains</b></label>
        <select class="form-control"
id="Pains" name="Pains">
            <option
value="0">False</option>
            <option
value="1">True</option>
        </select>
    </div>
    <div class="p-2 form-group">
        <label><b>Nasal
Congestion</b><label>
            <select
class="form-control"
id="NasalCongestion"
name="NasalCongestion">
                <option
value="0">False</option>
                <option
value="1">True</option>
            </select>
    </div>
</div>
</body>
</html>


<div class="row">
```

```html
            <div
class="form-group col-sm-4">
                <p>

<label>Age 0-9</label><br>

<select            class="form-control"
id="Age0-9" name="Age0-9">

<option value="0">False</option>

<option value="1">True</option>

</select>
                </p>
            </div>


            <div
class="form-group col-sm-4">
                <p>

<label>Age 10-19</label><br>

<select            class="form-control"
id="Age10-19" name="Age10-19">

<option value="0">False</option>

<option value="1">True</option>

</select>
```

```
                                    </p>
                    </div>                          <option value="1">True</option>

                        <div                        </select>
class="form-group col-sm-4">                                        </p>
                    <p>                                    </div>


<label>Age 20-24</label><br>                            <div
                                          class="form-group col-sm-4">
<select        class="form-control"                        <p>
id="Age20-24" name="Age20-24">

                                          <label>Age 60+</label><br>
<option value="0">False</option>
                                          <select        class="form-control"
                                          id="Age60+" name="Age60+">
<option value="1">True</option>

                                          <option value="0">False</option>
</select>
                    </p>
                    </div>                          <option value="1">True</option>


                        <div                        </select>
class="form-group col-sm-4">                                        </p>
                    <p>                                    </div>


<label>Age 25-59</label><br>                            <div
                                          class="form-group col-sm-4">
<select        class="form-control"                        <p>
id="Age25-59" name="Age25-59">

                                          <label>Gender Female</label><br>
<option value="0">False</option>
                                          <select        class="form-control"
```

```html
id="GenderFemale"
name="GenderFemale">

<option value="0">False</option>

<option value="1">True</option>

</select>
                    </p>
                </div>


                <div
class="form-group col-sm-4">
                    <p>

<label>Gender Male</label><br>

<select          class="form-control"
id="GenderMale"
name="GenderMale">

<option value="0">False</option>

<option value="1">True</option>

</select>
                    </p>
                </div>


                <div
class="form-group col-sm-4">
```

```html
                    <p>

<label>Gender
Transgender</label><br>

<select          class="form-control"
id="GenderTransgender"
name="GenderTransgender">

<option value="0">False</option>

<option value="1">True</option>

</select>
                    </p>
                </div>


                <div
class="form-group col-sm-4">
                    <p>

<label>Contact           Dont
Know</label><br>

<select          class="form-control"
id="ContactDontKnow"
name="ContactDontKnow">

<option value="0">False</option>

<option value="1">True</option>
```

```html
                </select>
            </p>
        </div>

                    <div
class="form-group col-sm-4">
                <p>

<label>Contact No</label><br>

<select          class="form-control"
id="ContactNo" name="ContactNo">

<option value="0">False</option>

<option value="1">True</option>

</select>
                </p>
            </div>

                <div
class="form-group col-sm-4">
                <p>

<label>Contact Yes</label><br>

<select           class="form-control"
id="ContactYes"
name="ContactYes">

<option value="0">False</option>

<option value="1">True</option>

</select>
                </p>
            </div>

                    <div
class="form-group col-sm-4">
                <p>

<label>Country</label><br>

<select          class="form-control"
id="Country" name="Country">

<option
value="China">China</option>

<option value="Italy">Italy</option>

<option value="Iran">Iran</option>

<option       value="Republic      of
Korean">Republic               of
Korean</option>

<option
value="France">France</option>
```

```
<option
value="Spain">Spain</option>

<option
value="Germany">Germany</option>

<option value="UAE">UAE</option>

<option    value="Other-EUR">Other
EUR</option>

<option
value="Other">Other</option>

</select>
                          </p>
                    <div>
                    </div>
```

register_bela.html

```
{% extends "layout_bela.html" %}

{% block main %}
<div                    id="pricing"
class="pricing-tables">
    <div class="container">
        <div class="row">
```

```
            <div class="col-lg-4">
            </div>
            <div class="col-lg-4">
                <div
class="pricing-item-pro">
                    <span
class="price"></span>
                    <h4>Register</h4>
                    <div class="icon">
                        <img
src="/static/assets/images/pricing-table
-01.png" alt="">
                    </div>
                    <form
action="/register_process"
method="POST" role="form">
<!--
<legend>Login</legend>-->
                        <div
class="form-group">
                            <label
for="">Name:</label>
                            <input
type="text"  id="name"  name="name"
class="form-control"
placeholder="Full Name">
                        </div>
                        <div
class="form-group">
                            <label
for="">Phone Number:</label>
```

```html
                        <input
type="text"              id="phone"
name="phone"    class="form-control"
placeholder="Phone">
                    </div>
                    <div
class="form-group">
                        <label
for="">Address:</label>
                        <input
type="text"              id="address"
name="address"   class="form-control"
placeholder="Your Address">
                    </div>
                    <div
class="form-group">
                        <label
for="">Position:</label>
                        <input
type="text"              id="position"
name="position" class="form-control"
placeholder="Your Position">
                    </div>
                    <div
class="form-group">
                        <label
for="">Email:</label>
                        <input
type="email"             id="email"
name="email"    class="form-control"
placeholder="Email">
                    </div>
                    <div
class="form-group">
                        <label
for="">Password:</label>
                        <input
type="password"    name="password"
id="password"    class="form-control"
required="required"              title=""
placeholder="password">
                    </div>



                    <div
class="border-button">
                        <button
type="submit"              class="btn
btn-primary">Register</button>
                    </div>


                </form>

            </div>
            </div>

        </div>
    </div>
</div>
{% endblock %}
```

user.html

```
<doctype html>
    <title>List of users - Python Flask MySQL CRUD</title>

    <p><a href="{{ url_for('.add_user_view') }}" > Add User </a></p>

    <p>
        {% with messages = get_flashed_messages() %}
        {% if messages %}
    <ul class=flashes>
        {% for message in messages %}
        <li>{{ message }}</li>
        {% endfor %}
    </ul>
    {% endif %}
    {% endwith %}
    </p>

    {{ table }}
```