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

from sklearn.externals import joblib

import os

import numpy as np

import pickle

app = Flask(\_\_name\_\_, static\_folder='static')

@app.route("/")

def index():

return render\_template('home.html')

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

def result():

age = int(request.form['age'])

sex = int(request.form['sex'])

trestbps = float(request.form['trestbps'])

chol = float(request.form['chol'])

restecg = float(request.form['restecg'])

thalach = float(request.form['thalach'])

exang = int(request.form['exang'])

cp = int(request.form['cp'])

fbs = float(request.form['fbs'])

x = np.array([age, sex, cp, trestbps, chol, fbs, restecg,

thalach, exang]).reshape(1, -1)

scaler\_path = os.path.join(os.path.dirname(\_\_file\_\_), 'models/scaler.pkl')

scaler = None

with open(scaler\_path, 'rb') as f:

scaler = pickle.load(f)

x = scaler.transform(x)

model\_path = os.path.join(os.path.dirname(\_\_file\_\_), 'models/rfc.sav')

clf = joblib.load(model\_path)

y = clf.predict(x)

print(y)

# No heart disease

if y == 0:

return render\_template('nodisease.html')

# y=1,2,3,4 are stages of heart disease

else:

return render\_template('heartdisease.htm', stage=int(y))

@app.route('/about')

def about():

return render\_template('about.html')

if \_\_name\_\_ == "\_\_main\_\_":

app.run(debug=True)