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Batch code: LISUM31

Submission date: April 28, 2024

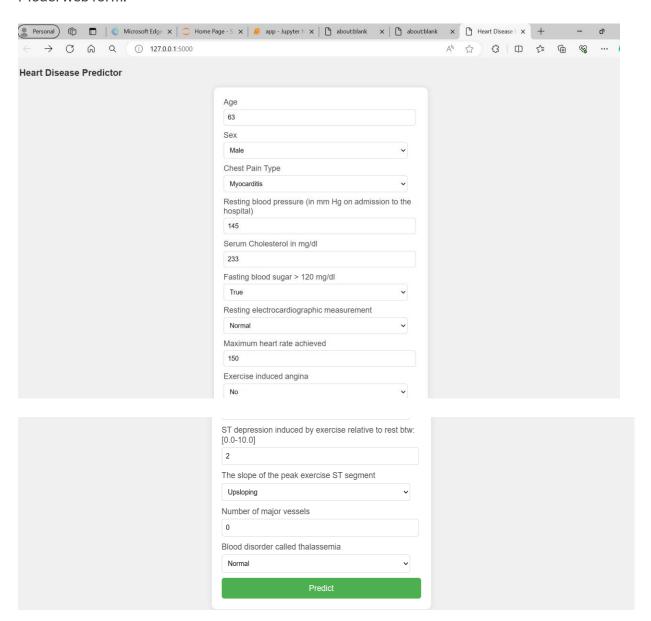
Submitted to: https://github.com/Omolara-Alayo/Data-Science-Internship/tree/main

Flask App

```
(i) localhost:8888/notebooks/app.ipynb#
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                                   Flask app for heart predictive model
                  In [ ]: import numpy as np
    from flask import Flask, request, render_template
    import pickle
                                   app = Flask( name )
                                   #Prediction function
def HeartDiseasePredictor(predict_list):
   to_predict = np.array(predict_list).reshape(1,13)
   loaded_model = pickle.load(open("heart_disease_model.pkl", "rb"))
   result = loaded_model.predict(to_predict)
   return result[0]
                                   @app.route('/')
def home():
    return render_template('index.html')
                                   @app.route('/predict', methods = ['POST'])
def predict():
    if request.method == 'POST':
                                                 request.method == 'POST':
    predict_list = request.form.to_dict()
    predict_list = list(predict_list.values())
    predict_list = list(map(int, predict_list))
    result = HeartDiseasePredictor(predict_list)
    if int(result)==1:
        prediction = 'This individual has a heart disease.'
    else:
        prediction = 'This individual does not have heart disease.'
                                                  prediction = 'This individual does not have heart disease.'
return render_template("predict.html", prediction = prediction)
                                           __name__=="__main_
app.run(port=5000)
```

```
C:\Users\berly>cd OneDrive
C:\Users\berly\OneDrive>cd Desktop
C:\Users\berly\OneDrive\cd Desktop>cd Heart_disease_model
C:\Users\berly\OneDrive\Desktop>cd Heart_disease_model
C:\Users\berly\OneDrive\Desktop\Heart_disease_model>python app.py
* Serving Flask app 'app'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
```

Model web form:



Output:

This individual does not have heart disease.