Name: Hazim Bukhari

Batch Code: LISUM01

Submission date: 11/7/2021

Submitted to: https://github.com/FancyWhale69/scores_webapp

App.py:

```
import json
     import pickle
     import numpy as np.
    import pandas as pd
   from sklearm.linear_model import LinearRegression
    from sklearn.pipeline import Pipeline
     from sklearn.preprocessing import MinMaxScaler
   from flask import Flask
   from flask import Flask, request, jsonify, render_template
10 import joblib
    app = Flask(_name_)
    model = joblib.load('../models/model.pkl')
    @app.route('/')
     def index():
        return render_template('index.html')
     @app.route('/predict',methods=['POST'])
     def predict():
         For rendering results on HTML GUI
        init_features = [float(x) for x in request.form.values()]
        final_features = [np.array(init_features)]
        prediction = model.predict(final_features) # making prediction
         return render_template('index.html', prediction_text='Post-test score: {}'.format(np.round(prediction[0], 2)))
     def main():
         app.run(port=5000, debug=True)
     if __name__ == '__main__':
        main()
```

index.html:

Deploying webapp:

```
\Users\Me\Desktop\Projects\student_score_webapp\app>python run.py
Serving Flask app "run" (lazy loading)
Environment: production

WARNING: This is a development server. Do not use it in a production deployment.

Use a production WSGI server instead.

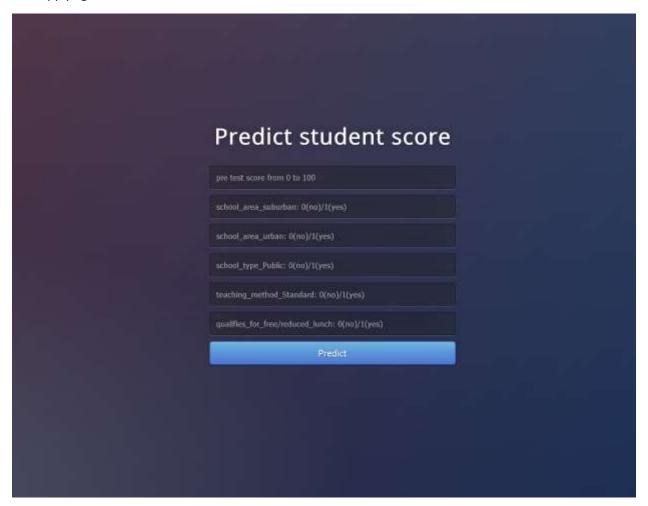
Debug mode: on
Restarting with windowsapi reloader

Debugger is active!

Debugger PIN: 120-400-928

Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

Webapp page:



Prediction:

Predict student score
pre test score from 0 to 100
school_area_suburban: O(no)/1(yes)
school_area_urban: 0(no)/1(yes)
school_type_Public: 0(no)/1(yes)
teaching_method_Standard: O(no)/1(yes)
qualifies_for_free/reduced_lunch: 0(no)/1(yes)
Predict
Post-test score: 90.27