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from flask import Flask, request, render_template
import joblib
import requests
import jsonify

app = Flask(__name__) # initialising flask app

model = joblib.load('Car Resale Value Prediction') # load machine
learning model

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

@app.route('/predict', methods=['POST', 'GET'])
def predict():
    if request.method == 'POST':
        SELLER_TYPE = request.form['seller']
        ABTEST=request.form['abtest']
        VEHICLE_TYPE=request.form['vehicleType']
        YEAR_OF_REGISTRATION = int(request.form['yearOfRegistration'])
        POWER_IN_PS=float(request.form['powerPS'])
        KILOMETERS_DRIVEN=float(request.form['kilometer'])
        MONTH_OF_REGISTRATION=int(request.form['monthOfRegistration'])
        FUEL_TYPE= request.form['fuelType']
        NOT_REPAIRED_DAMAGE=request.form['notRepairedDamage']
        NUMBER_OF_PICTURES=int(request.form['nrOfPictures'])
        POSTAL_CODE=int(request.form['postalCode'])
        OFFER_TYPE=request.form['offerType_Gesuch']
        GEARBOX_MANUELL=request.form['gearbox_manuell']

        if SELLER_TYPE == 'private':
            SELLER_TYPE = 0
        else:
            SELLER_TYPE = 1

        if ABTEST == 'test':
            ABTEST = 0
        else:
            ABTEST = 1

        if VEHICLE_TYPE == 'limousine':

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        VEHICLE_TYPE= 0
    elif VEHICLE_TYPE == 'kleinwagen':
        VEHICLE_TYPE = 1
    elif VEHICLE_TYPE == 'kombi':
        VEHICLE_TYPE = 2
    elif VEHICLE_TYPE == 'bus':
        VEHICLE_TYPE = 3
    elif VEHICLE_TYPE == 'carbio':
        VEHICLE_TYPE = 4
    elif VEHICLE_TYPE == 'coupe':
        VEHICLE_TYPE = 5
    elif VEHICLE_TYPE == 'suv':
        VEHICLE_TYPE = 6
    else :
        VEHICLE_TYPE =7


    if FUEL_TYPE == 'benzin' :
        FUEL_TYPE == 0
    elif FUEL_TYPE == 'diesel' :
        FUEL_TYPE = 1
    elif FUEL_TYPE == 'lpg':
        FUEL_TYPE = 2
    elif FUEL_TYPE == 'cng':
        FUEL_TYPE = 3
    elif FUEL_TYPE == 'hybrid':
        FUEL_TYPE =4
    elif FUEL_TYPE == 'andere':
        FUEL_TYPE =5
    else:
        FUEL_TYPE = 6


    if NOT_REPAIRED_DAMAGE == 'nein':
        NOT_REPAIRED_DAMAGE = 0
    else:
        NOT_REPAIRED_DAMAGE = 1


    if OFFER_TYPE == 'Angebot':
        OFFER_TYPE = 0
    else:
        OFFER_TYPE = 1


    if GEARBOX_MANUELL == 'manuell':
        GEARBOX_MANUELL = 1
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    else :
        GEARBOX_MANUELL = 0

    #model = joblib.load(open('model', 'rb')) # load ml model
    prediction =
model.predict([[SELLER_TYPE,ABTEST,VEHICLE_TYPE,YEAR_OF_REGISTRATION,POWER_IN_
PS,KILOMETERS_DRIVEN,MONTH_OF_REGISTRATION,FUEL_TYPE,NOT_REPAIRED_DAMAGE,NUMBE
R_OF_PICTURES,POSTAL_CODE,OFFER_TYPE,GEARBOX_MANUELL]])
        return render_template('index.html', prediction_text="Predicted Price
Of Your Car Is {} $".format(prediction))
    else:
        return render_template('index.html')

if __name__ == '__main__':
    app.run(debug=True)
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