Model deployed with flask

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Batch code : LSMU12

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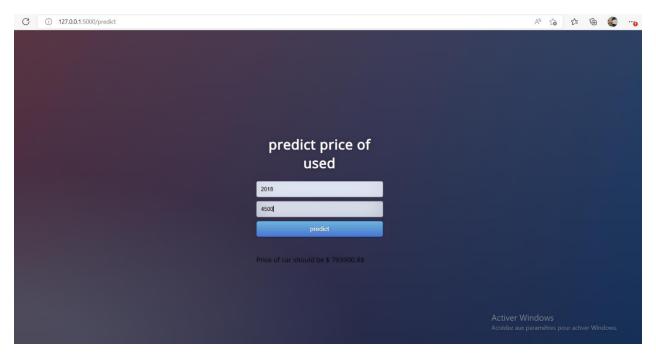
Subject: create a model that predict the price of cares and deploy it on web application using flask framework

The model:

The web app:

```
Entrée [1]: import numpy as np
                    from flask import Flask , request , render_template
                   import pickle
  Entrée [2]: app = Flask(__name__,template_folder='template')
                   model = pickle.load(open('model.pkl','rb'))
  Entrée [3]: @app.route("/")
                   def home():
                         return render_template('index.html')
  Entrée [4]: @app.route('/predict',methods=['POST'])
                   def predict():
                         For rendring results in HTML \ensuremath{\mathsf{GUI}}
                         #save our features(that we get it from the form) in a list and convert them from a string to a int
                         int_features =[int(x) for x in request.form.values()]
                         final_features = [np.array(int_features)]
                         prediction = model.predict(final_features)
                         output = round(prediction[0],2)
                         return render template('index.html', prediction text='Price of car should be $ {}'.format(output))
Entrée [*]: if __name__=='__main__':
    app.run(port=5000, debug=True,use_reloader=False)
                * Serving Flask app "__main__" (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
              * Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
127.0.0.1 - - [25/Aug/2022 12:04:04] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [25/Aug/2022 12:04:04] "GET /static/style.css HTTP/1.1" 200 -
127.0.0.1 - - [25/Aug/2022 12:04:04] "GET /favicon.ico HTTP/1.1" 404 -
127.0.0.1 - - [25/Aug/2022 12:04:14] "POST /predict HTTP/1.1" 200 -
```

The web page:



Deployment on cloud URL:

https://carpricespredictions.herokuapp.com/

