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#importing required libraries

from flask import Flask, request, render_template

import numpy as np

import pandas as pd

from sklearn import metrics

import warnings

import pickle

warnings.filterwarnings('ignore')

from feature import FeatureExtraction


file = open("model.pkl","rb")

gbc = pickle.load(file)

file.close()


app = Flask(__name__)


@app.route("/", methods=["GET", "POST"])
def index():

    if request.method == "POST":

        url = request.form["url"]

        obj = FeatureExtraction(url)

        x = np.array(obj.getFeaturesList()).reshape(1,30)
```

```
y_pred =gbc.predict(x)[0]

#1 is safe

#-1 is unsafe

y_pro_phishing = gbc.predict_proba(x)[0,0]

y_pro_non_phishing = gbc.predict_proba(x)[0,1]

# if(y_pred ==1 ):

pred = "It is {0:.2f} % safe to go ".format(y_pro_phishing*100)

return render_template('index.html',xx =round(y_pro_non_phishing,2),url=url )

return render_template("index.html", xx =-1)
```

```
if __name__ == "__main__":

    app.run(debug=True,port=2002)
```