

```
from flask
import Flask,
render_template,
request
```

```
import numpy as np
import pandas as pd
from sklearn import metrics
import warnings
import pickle
warnings.filterwarnings('ignore')
from features import FeatureExtraction
```

```
app = Flask(__name__)
```

```
xgb = pickle.load(open("XGBoostClassifier.pkl", "rb"))
```

```
@app.route("/", methods=["GET", "POST"])
```

```
def home():
```

```
    if request.method == "POST":
```

```
        url = request.form["url"]
```

```
        obj = FeatureExtraction(url)
```

```
        x = np.array(obj.getFeaturesList()).reshape(1,13)
```

```
        print(x)
```

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

```
        print(y_pred)
```

```
        y_pro_phishing = xgb.predict_proba(x)[0,0]
```

```
        print(y_pro_phishing)
```

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

```
        print(y_pro_non_phishing)
```

```
        if(y_pro_phishing*100<60):
```

```
            msg="Treat! They say, 'Not all those who wander are
lost'. And you are definitely not lost. Have a safe day exploring!!"
```

```
            flag=1
```

```
        else:
```

```
            msg="Trick! They say, 'Not all those who wander are
lost'. But you are definitely lost. Find other sites to explore!!"
```

```
            flag=-1
```

```
        return render_template('result.html', msg=msg, url=url,
val=flag)
```

```
    return render_template("index.html")
```

```
@app.route("/report")
def report():
    return render_template("contact.html")

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