Deployment of Machine Learning Algorithm in Web App Like Local Server

In [*]:
```python
from flask import Flask,render_template,url_for,request
import pickle
import joblib

filename = 'pickle.pkl'
clf = pickle.load(open(filename, 'rb'))
cv=pickle.load(open('tranform.pkl','rb'))
app = Flask(__name__)

@app.route('/')
def home():
    return render_template('home.html')

@app.route('/predict',methods=['POST'])
def predict():
    if request.method == 'POST':
        message = request.form['message']
        data = [message]
        vect = cv.transform(data).toarray()
        my_prediction = clf.predict(vect)
    return render_template('result.html',prediction = my_prediction)

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

```
 * 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: off
C:\Users\Aman\anaconda3\lib\site-packages\sklearn\base.py:329: UserWarning: Trying to unpickle estimator MultinomialNB from version 0.20.1 when using versio
d to breaking code or invalid results. Use at your own risk.
  warnings.warn(
C:\Users\Aman\anaconda3\lib\site-packages\sklearn\base.py:329: UserWarning: Trying to unpickle estimator CountVectorizer from version 0.20.1 when using vers
ead to breaking code or invalid results. Use at your own risk.
  warnings.warn(
 * Running on http://127.0.0.1:5000/ (http://127.0.0.1:5000/) (Press CTRL+C to quit)
127.0.0.1 - - [04/Oct/2020 12:29:11] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [04/Oct/2020 12:29:11] "GET /static/paper.jpg HTTP/1.1" 404 -
```

In [ ]: