import io

from flask import Flask,redirect,url\_for,render\_template,request

import ibm\_boto3

from ibm\_botocore.client import Config, ClientError

COS\_ENDPOINT="https://s3.jp-tok.cloud-object-storage.appdomain.cloud"

COS\_API\_KEY\_ID=""

COS\_INSTANCE\_CRN=""

cos = ibm\_boto3.resource("s3",

ibm\_api\_key\_id=COS\_API\_KEY\_ID,

ibm\_service\_instance\_id=COS\_INSTANCE\_CRN,

config=Config(signature\_version="oauth"),

endpoint\_url=COS\_ENDPOINT

)

app=Flask(\_\_name\_\_)

@app.route('/')

def index():

try:

files = cos.Bucket('hospital-flask').objects.all()

files\_names = []

for file in files:

files\_names.append(file.key)

print(file)

print("Item: {0} ({1} bytes).".format(file.key, file.size))

return render\_template('index.html',files=files\_names)

except ClientError as be:

print("CLIENT ERROR: {0}\n".format(be))

return render\_template('index.html')

except Exception as e:

print("Unable to retrieve bucket contents: {0}".format(e))

return render\_template('index.html')

@app.route('/uploader',methods=['POST'])

def upload():

name\_file=request.form['filename']

f = request.files['file']

try:

part\_size = 1024 \* 1024 \* 5

file\_threshold = 1024 \* 1024 \* 15

transfer\_config = ibm\_boto3.s3.transfer.TransferConfig(

multipart\_threshold=file\_threshold,

multipart\_chunksize=part\_size

)

content = f.read()

cos.Object('hospital-flask', name\_file).upload\_fileobj(

Fileobj=io.BytesIO(content),

Config=transfer\_config

)

return redirect(url\_for('index'))

except ClientError as be:

print("CLIENT ERROR: {0}\n".format(be))

return redirect(url\_for('index'))

except Exception as e:

print("Unable to complete multi-part upload: {0}".format(e))

return redirect(url\_for('index'))

if \_\_name\_\_=='\_\_main\_\_':

app.run(host='0.0.0.0',port=8080,debug=True)