**ASSIGNMENT 3**

| **BATCH NUMBER** | PNT2022TMID04977 |
| --- | --- |
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**INDEX.HTML:**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

<meta http-equiv="X-UA-Compatible" content="IE=edge" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<title>Home</title>

<script>

window.watsonAssistantChatOptions = {

integrationID: "6ab36d7d-b59e-4964-bc8a-44cb324ca125", // The ID of this integration.

region: "au-syd", // The region your integration is hosted in.

serviceInstanceID: "04f4c174-6106-47a5-8a6f-71ef403473e3", // The ID of your service instance.

onLoad: function(instance) { instance.render(); }

};

setTimeout(function(){

const t=document.createElement('script');

t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" + (window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";

document.head.appendChild(t);

});

</script>

</head>

<body>

<form action="/uploader" method="POST" enctype="multipart/form-data">

<input type="text" placeholder="Enter file name" name="filename" />

<br />

<br />

<input type="file" name="file" />

<br />

<br />

<input type="submit" />

</form>

<br/>

<br/>

<br/>

{% for row in files %}

<div style="border: 1px solid #EFEFEF;margin:10px;">

<h3>Filename : {{row}} </h3>

<img src="https://hospital-flask.s3.jp-tok.cloud-object-storage.appdomain.cloud/{{row}}" width="150px"></td>

</div>

{% endfor %}

</body>

</html>

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

**App.py:**

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)