ASSIGNMENT 3

| ASSIGNMENT DATE | 30 SEPTEMBER 2022 |
| --- | --- |
| STUDENT NAME | ARULBATHRA.M |
| TEAM ID | PNT2022TMID04914 |
| MAXIMUM MARKS | 2 MARKS |

QUESTION:

1. Create a Bucket in IBM object storage. 2.Upload 5 images to ibm object storage and make it public. write html code to display all the 5 images. 3.Upload a css page to the object storage and use the same page in your HTML code. 4.Design a chatbot using IBM Watson assistant for hospitals. Ex: User comes with a query to know the branches for that hospital in your city. Submit the web URL of that chat bot as an assignment. 5.Create Watson assistant service with 10 steps and use 3 conditions in it. Load that script in the HTML page.

SOLUTION:

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 |
| --- |
| jhhjjhhhj |  | 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) | |
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