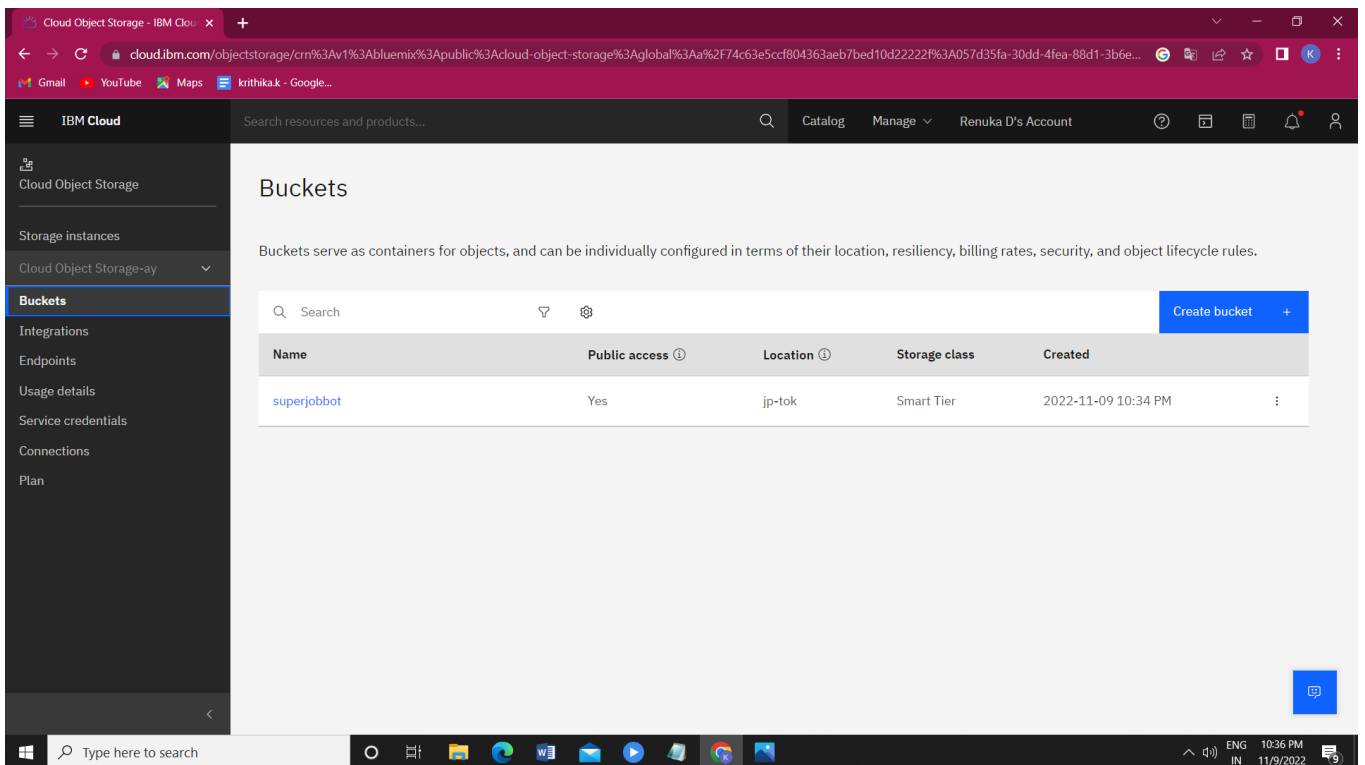


Assignment-3

Date	10 October 2022
Team ID	PNT2022TMID305715
Project Name	Skill and Job Recommender Application

1. CREATE A BUCKET IN IBM OBJECT STORAGE.



**Upload an 5 images to ibm object storage and make it public.
Write html code todisplaying all the 5 images.**

Cloud Object Storage - IBM Cloud

cloud.ibm.com/objectstorage/crn%3Av1%3Abluemix%3Apublic%3Acloud-object-storage%3Aglobal%3AAa%2F74c63e5ccf804363aeb7bed10d2222f%3A057d35fa-30dd-4fea-88d1-3b6e...

IBM Cloud

Search resources and products...

Storage / Cloud Object Storage-ay /

superjobbot

Transfers Details Actions...

Objects Configuration Permissions

If you're seeing more usage than expected, versions count towards your usage or you may have incomplete uploads [Learn more](#)

Prefix filter

Object name	Archived ⓘ	Size	Last modified
ima...jfif		13.0 KB	2022-11-09 10:34 PM
nat...jfif		7.4 KB	2022-11-09 10:34 PM
nat...L.jfif		5.0 KB	2022-11-09 10:34 PM
nat...2.jpg		181.0 KB	2022-11-09 10:35 PM
nat...3.jfif		7.1 KB	2022-11-09 10:35 PM

Drag and drop files (objects) here or click to upload

Upload

Type here to search

ENG IN 10:35 PM 11/9/2022

Cloud Object Storage - IBM Cloud

cloud.ibm.com/objectstorage/crn%3Av1%3Abluemix%3Apublic%3Acloud-object-storage%3Aglobal%3AAa%2F74c63e5ccf804363aeb7bed10d2222f%3A057d35fa-30dd-4fea-88d1-3b6e...

IBM Cloud

Search resources and products...

Manage access to this bucket by creating IAM policies for users and service IDs. Users and service IDs must also have an instance level viewer role (or higher) to use the console or to list buckets using the REST API.

Access policies

Public access

Warning: Access policy update

Access group policy created

A new access policy for this bucket was created for the group: Public Access
To delete/edit go to the [IAM console](#).

Status: Enabled

Role for this policy: Public Access

Content: As a Content Reader, one can read and list objects in the bucket.

Create access policy

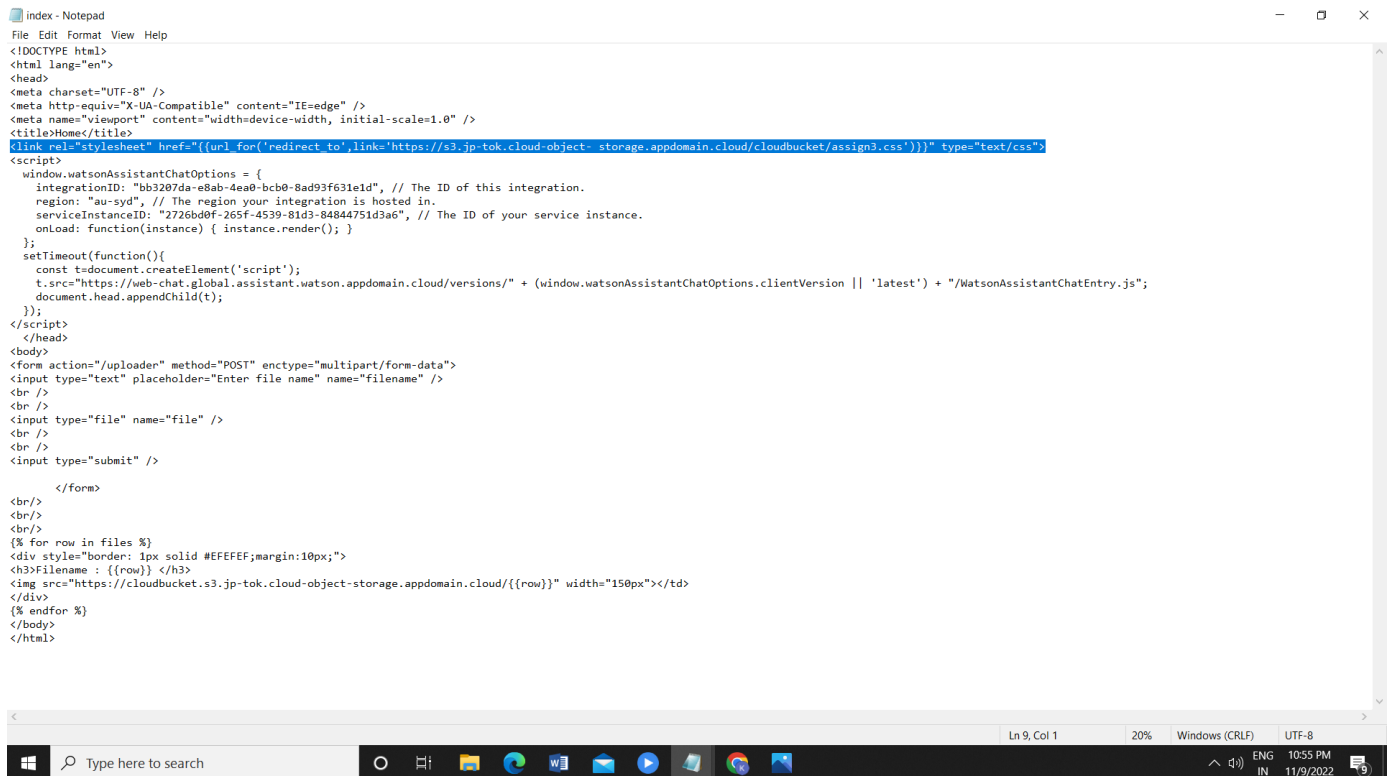
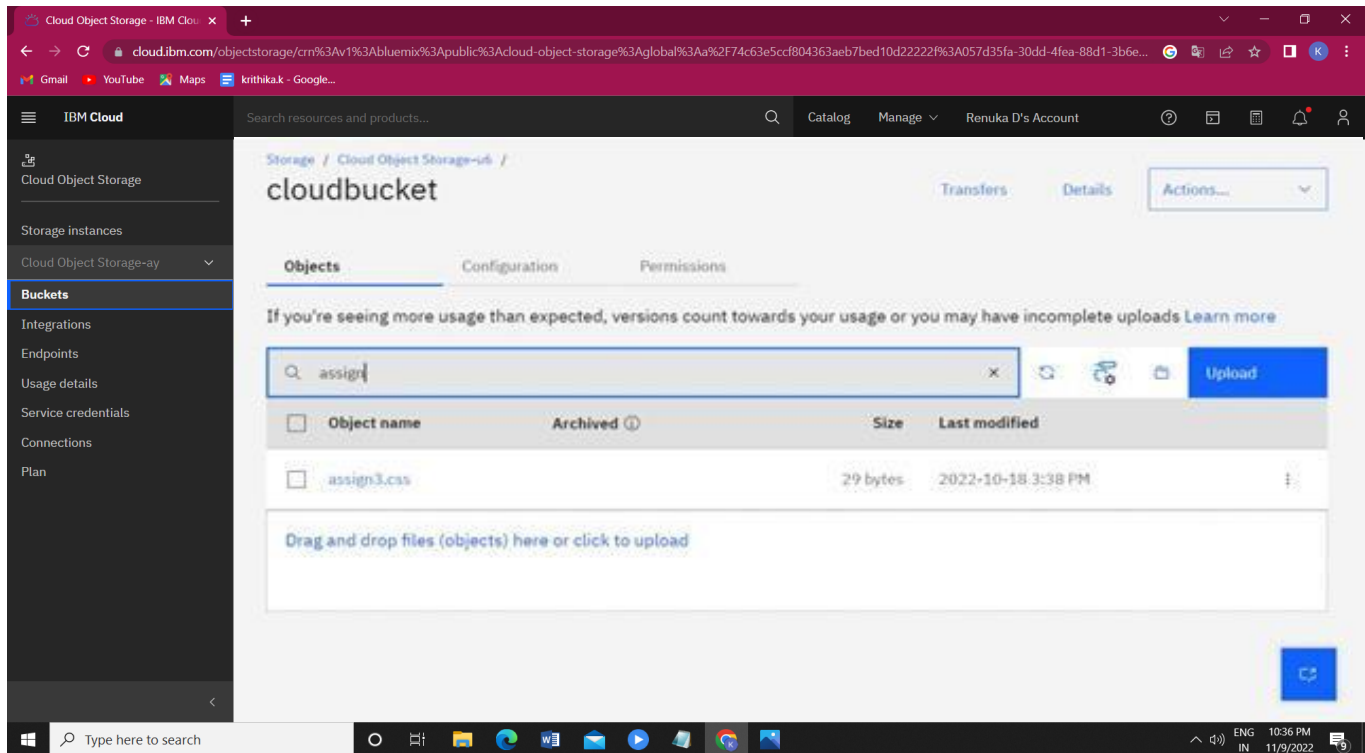
Context-based restrictions

Firewall (legacy)

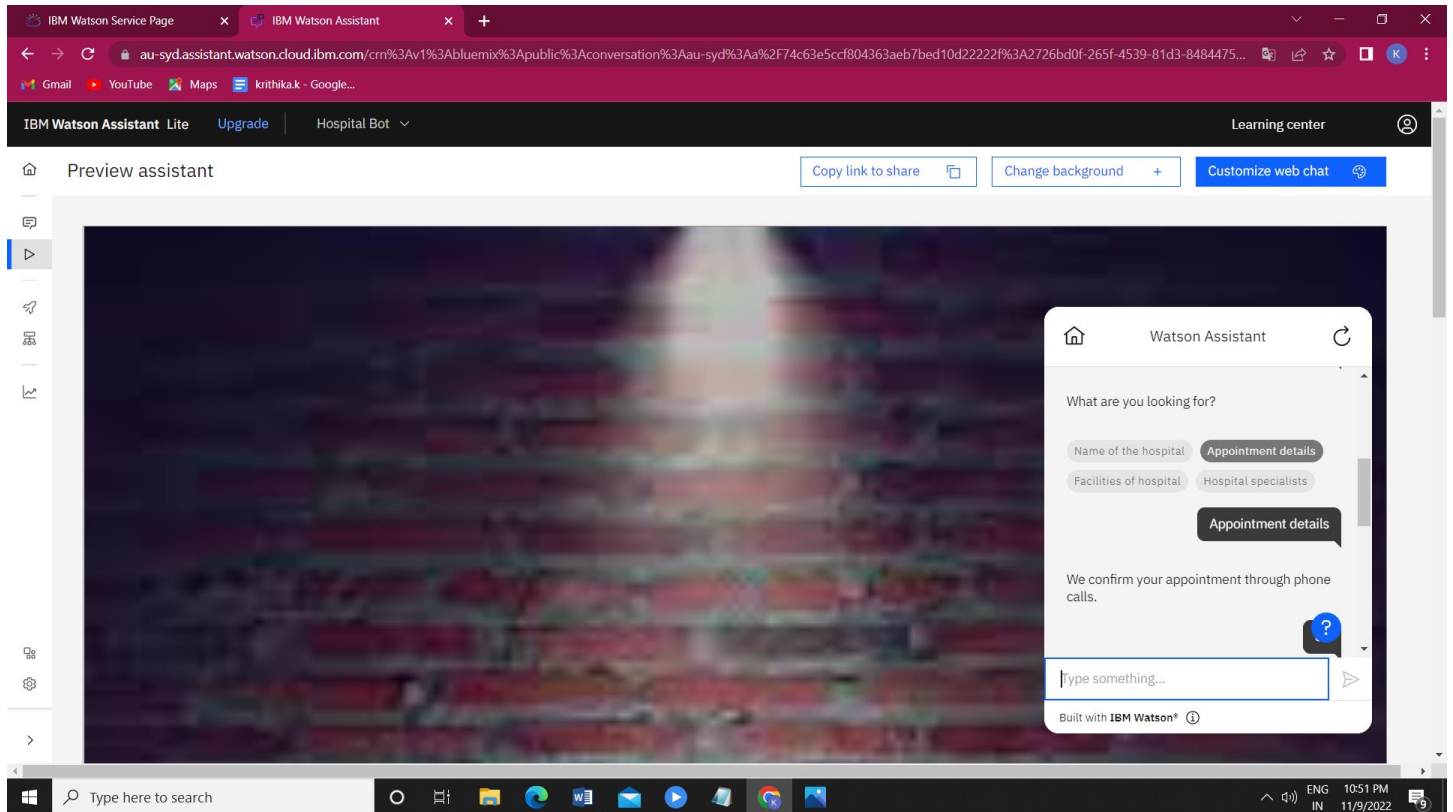
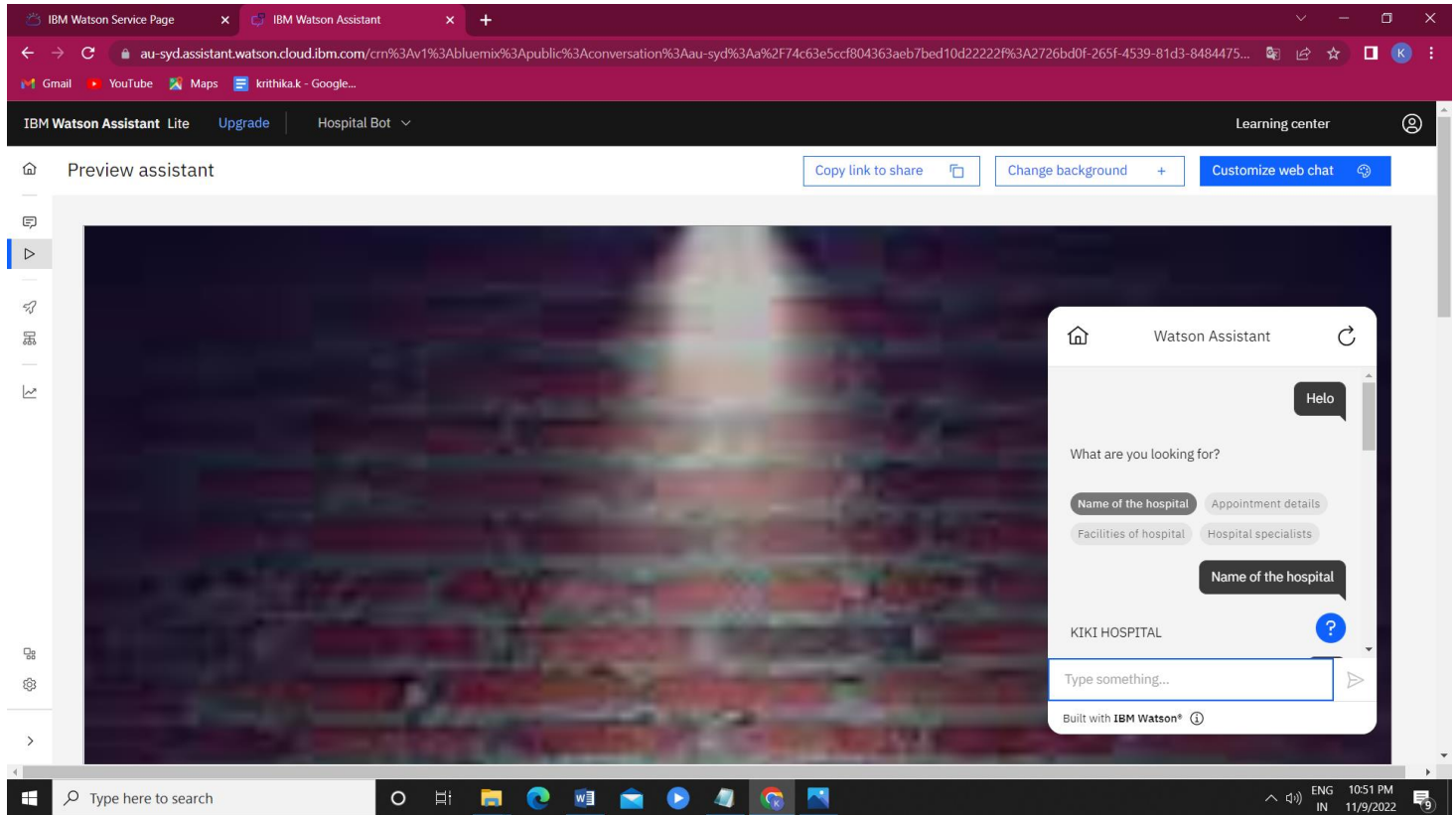
Type here to search

ENG IN 10:35 PM 11/9/2022

2. Upload a css page to the object storage and use the same page in your HTML code.



3. Design a chatbot using IBM Watson assistant for hospital.



Web URL for Assistant:

4. <https://web-chat.global.assistant.watson.appdomain.cloud/preview.html?backgroundImageURL=https%3A%2F%2Fau-syd.assistant.watson.cloud.ibm.com%2Fpublic%2Fimages%2Fupx-2726bd0f-265f-4539-81d3-84844751d3a6%3A%3Abd8cabc9-2be1-451c-bcbe-cc3c6805d374&integrationID=bb3207da-e8ab-4ea0-bcb0-8ad93f631e1d®ion=au-syd&serviceInstanceID=2726bd0f-265f-4539-81d3-84844751d3a6>

5. Create Watson assistant service with 10 steps and use 3 conditions in it. Load that script in HTML page.

The screenshot displays the IBM Watson Assistant configuration interface. On the left, a vertical list of steps is shown, with step 10 highlighted. Step 10 is labeled 'Action complete' and includes a 'Tr Free text' button. The main workspace on the right shows the configuration for 'Step 10 is taken'. It includes a 'Conditions' section with a single condition: 'If All of this is true: 9. Other than appoi... is Helpline number'. Below the conditions, there is a 'New condition group +' button. The 'Assistant says' section contains a text area with the placeholder '9999999999'. At the bottom right, there is a 'Preview' button. The interface also shows a 'Helo' header and a 'Learning center' link in the top right corner.

Included 3 conditions in steps:

The screenshot displays the IBM Watson Assistant configuration interface. On the left, a 'Conversation steps' sidebar shows a sequence of steps. Step 2 is highlighted, showing a condition 'Name of the hospital' and a response 'KIKI HOSPITAL'. The main area shows the configuration for Step 2, which is 'Step 2 is taken with conditions'. A single condition is defined: 'If All of this is true: 1. What are you looking for is Name of the hospital'. The 'Assistant says' section shows the response 'KIKI HOSPITAL'. A 'Preview' button is visible at the bottom right.

IBM Watson Assistant Lite Upgrade Hospital Bot Learning center

Helo

Conversation steps

1 What are you looking for?
Hospital spe... Name of the ... +2
Continue to next step

1 is Name of the hospital
KIKI HOSPITAL
Free text
Re-ask previous step(s)

1 is Appointment details
We confirm your appointment through phone calls.
Free text
Re-ask previous step(s)

1 is Facilities of hospital

New step +

Step 2 is taken with conditions

Conditions 1 condition

If All of this is true:

1. What are you looking for is Name of the hospital

and Add condition +

New condition group +

Assistant says

KIKI HOSPITAL

Preview

User enters free text

The screenshot displays the IBM Watson Assistant configuration interface. On the left, a 'Conversation steps' sidebar shows a sequence of steps. Step 4 is highlighted, showing a condition 'Facilities of hospital' and a response 'We provide you with good and healthy environment including patient clothes, beds and all other needs.' The main area shows the configuration for Step 4, which is 'Step 4 is taken with conditions'. A single condition is defined: 'If All of this is true: 1. What are you looking for is Facilities of hospital'. The 'Assistant says' section shows the response 'We provide you with good and healthy environment including patient clothes, beds and all other needs.' A 'Preview' button is visible at the bottom right.

IBM Watson Assistant Lite Upgrade Hospital Bot Learning center

Helo

Re-ask previous step(s)

1 is Appointment details
We confirm your appointment through phone calls.
Free text
Re-ask previous step(s)

1 is Facilities of hospital
We provide you with good and healthy environment including patient clothes, beds and all other needs.
Free text
Re-ask previous step(s)

1 is Hospital specialists
We have multiple specialists available in our hospital with ENT, Cardiology, Radiology,...
Free text
Continue to next step

New step +

Step 4 is taken with conditions

Conditions 1 condition

If All of this is true:

1. What are you looking for is Facilities of hospital

and Add condition +

New condition group +

Assistant says

We provide you with good and healthy environment including patient clothes, beds and all other needs.

Preview

User enters free text

IBM Watson Assistant

au-syd.assistant.watson.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Aconversation%3Aau-syd%3Aa%2F74c63e5ccf804363aeb7bed10d2222f%3A2726bd0f-265f-4539-81d3-8484475...

IBM Watson Assistant Lite Upgrade Hospital Bot Learning center

Helo

7

Cardiology Others +2

Re-ask previous step(s)

7 is Others

Please enter your preferred specialist.

8

Free text

Continue to next step

6 is No

Other than appointment what are you looking for?

Others Helpline num... +1

Re-ask previous step(s)

9 is Helpline number

9999999999

10

Free text

Action complete

New step +

Step 9 is taken with conditions

fx

Conditions 1 condition

If All of this is true:

6. Are you looking f... is No

and Add condition +

New condition group +

Assistant says

B I Q % [] [] []

Other than appointment what are you looking for?

Preview

Parking facilities Helpline number Others

Type here to search

10:49 PM 11/9/2022

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>

    <link rel="stylesheet" href="{ {url_for('redirect_to',link='https://s3.jp-tok.cloud-object-storage.appdomain.cloud/cloudbucket/assign3.css')} }" type="text/css">

    <script>
      window.watsonAssistantChatOptions = {
        integrationID: "bb3207da-e8ab-4ea0-bcb0-8ad93f631e1d", // The ID of this integration.
        region: "au-syd", // The region your integration is hosted in.
        serviceInstanceID: "2726bd0f-265f-4539-81d3-84844751d3a6", // 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>

  </body>

</html>
```



```

</form>

<br/>

<br/>

<br/>

{% for row in files %}

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

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

        </td>

    </div>

{% endfor %}

</body>

</html>

```

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('cloudbucket').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('cloudbucket', 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)
```