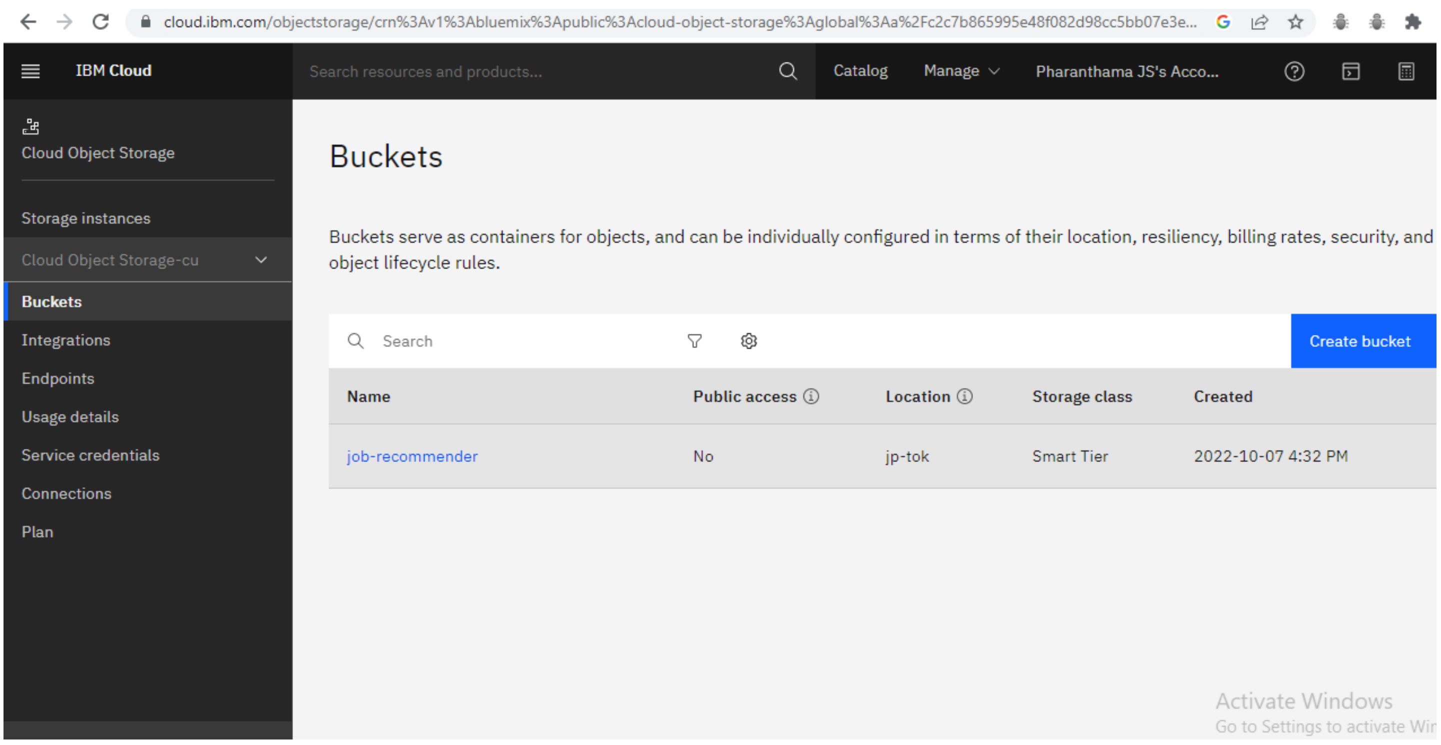
Assignment-3

Date	10 October 2022
Team ID	PNT2022TMID25870
Project Name	Skill and Job Recommender Application

1. CREATE A BUCKET IN IBM OBJECT STORAGE.



cloud.ibm.com/objectstorage/crn%3Av1%3Abluemix%3Apublic%3Acloud-object-storage%3Aglobal%3Aa%2Fc2c7b865995e48f082d98cc5bb07e3e...

IBM Cloud

Search resources and products...

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Cloud Object Storage

Storage instances

Cloud Object Storage-cu

Buckets

Integrations

Endpoints

Usage details

Service credentials

Connections

Plan

Buckets

Buckets serve as containers for objects, and can be individually configured in terms of their location, resiliency, billing rates, security, and object lifecycle rules.

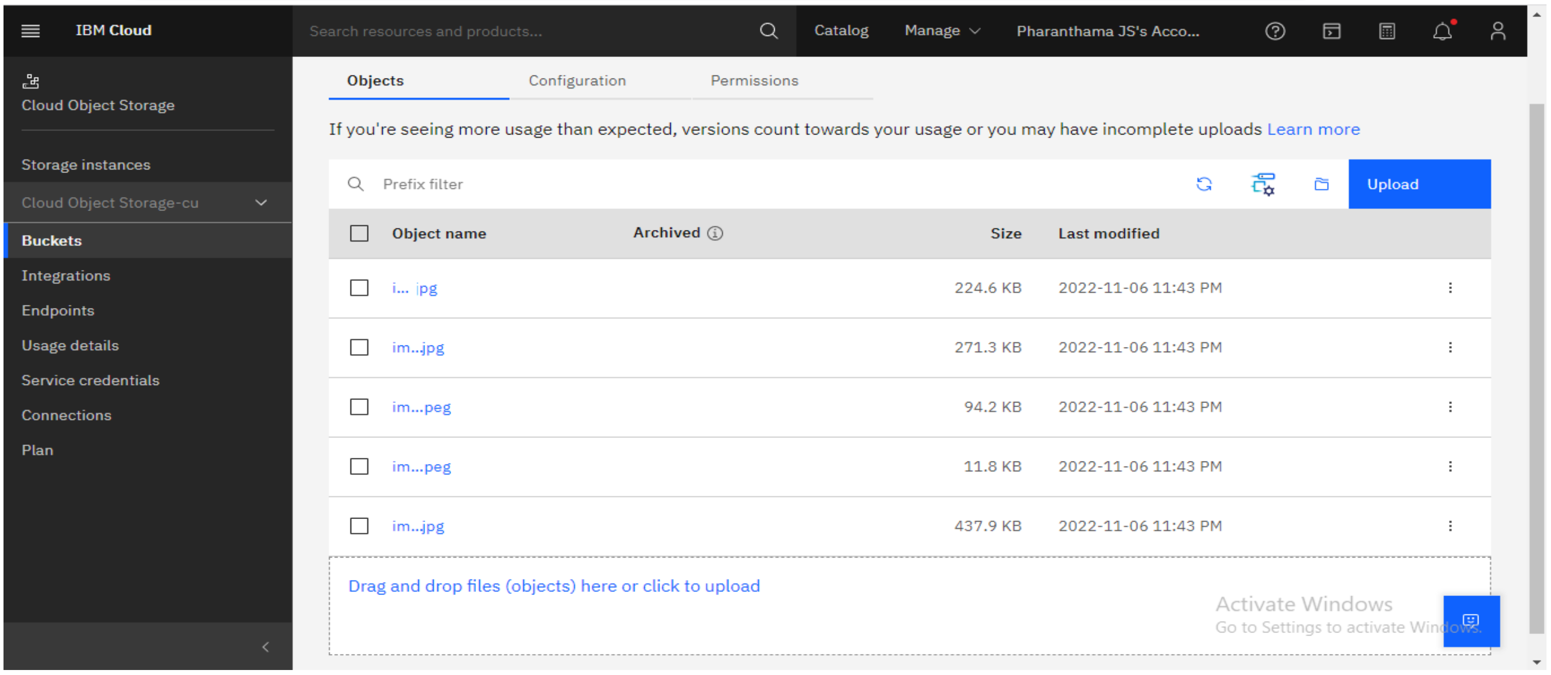
Search

Create bucket

Name	Public access	Location	Storage class	Created
job-recommender	No	jp-tok	Smart Tier	2022-10-07 4:32 PM

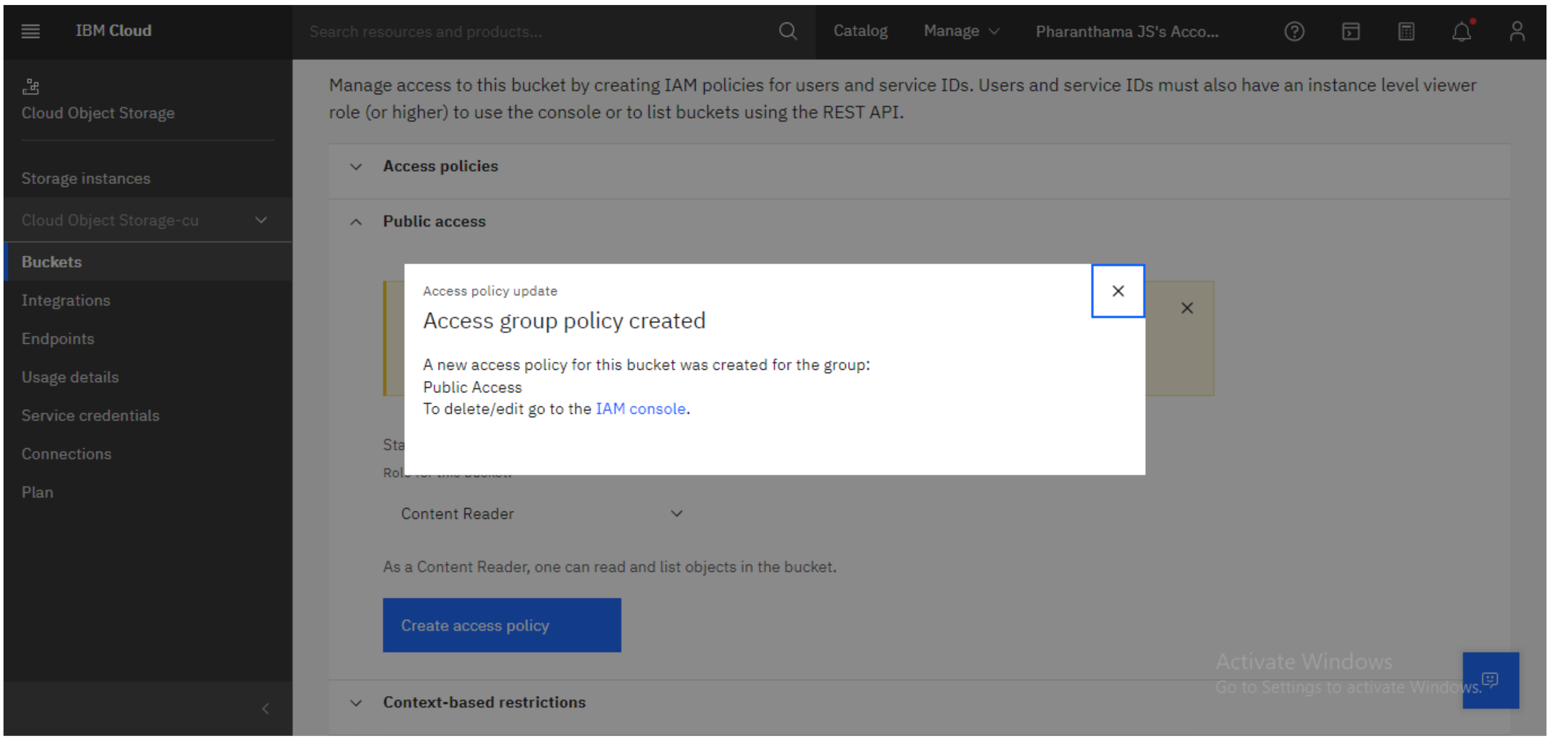
Activate Windows
Go to Settings to activate Win

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



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

Object name	Archived	Size	Last modified
i... jpg		224.6 KB	2022-11-06 11:43 PM
im...jpg		271.3 KB	2022-11-06 11:43 PM
im...peg		94.2 KB	2022-11-06 11:43 PM
im...peg		11.8 KB	2022-11-06 11:43 PM
im...jpg		437.9 KB	2022-11-06 11:43 PM



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.

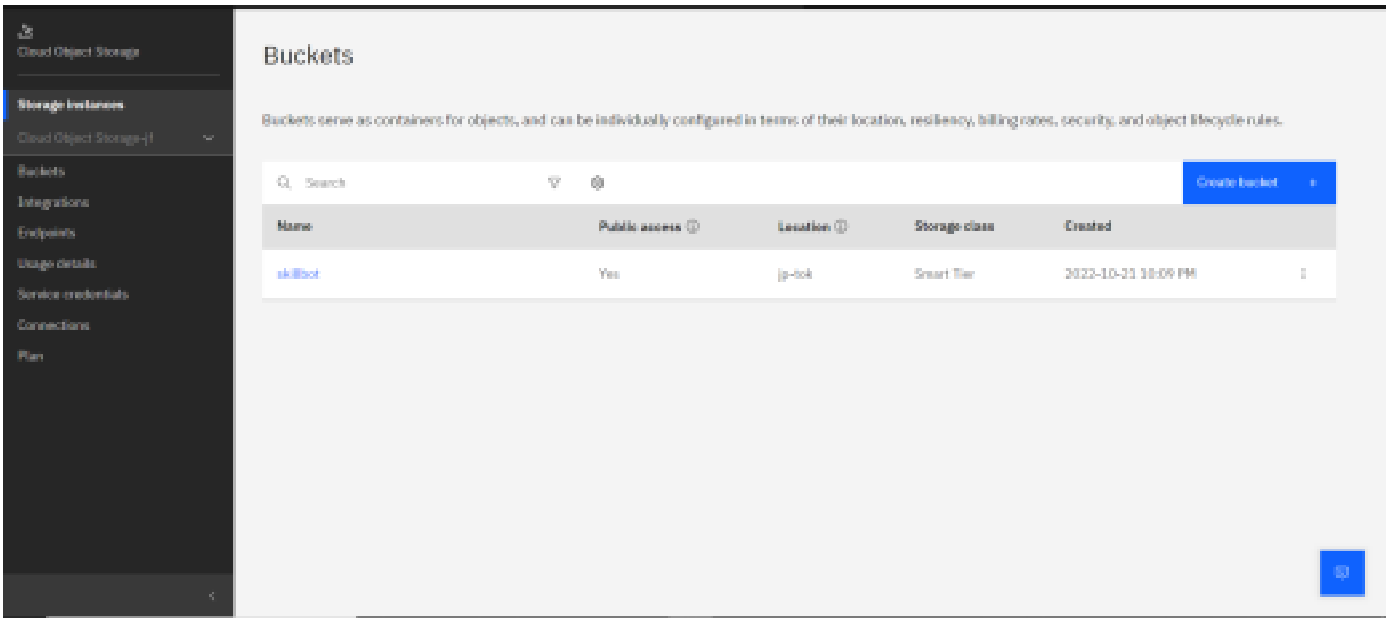
Access policy update

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.

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

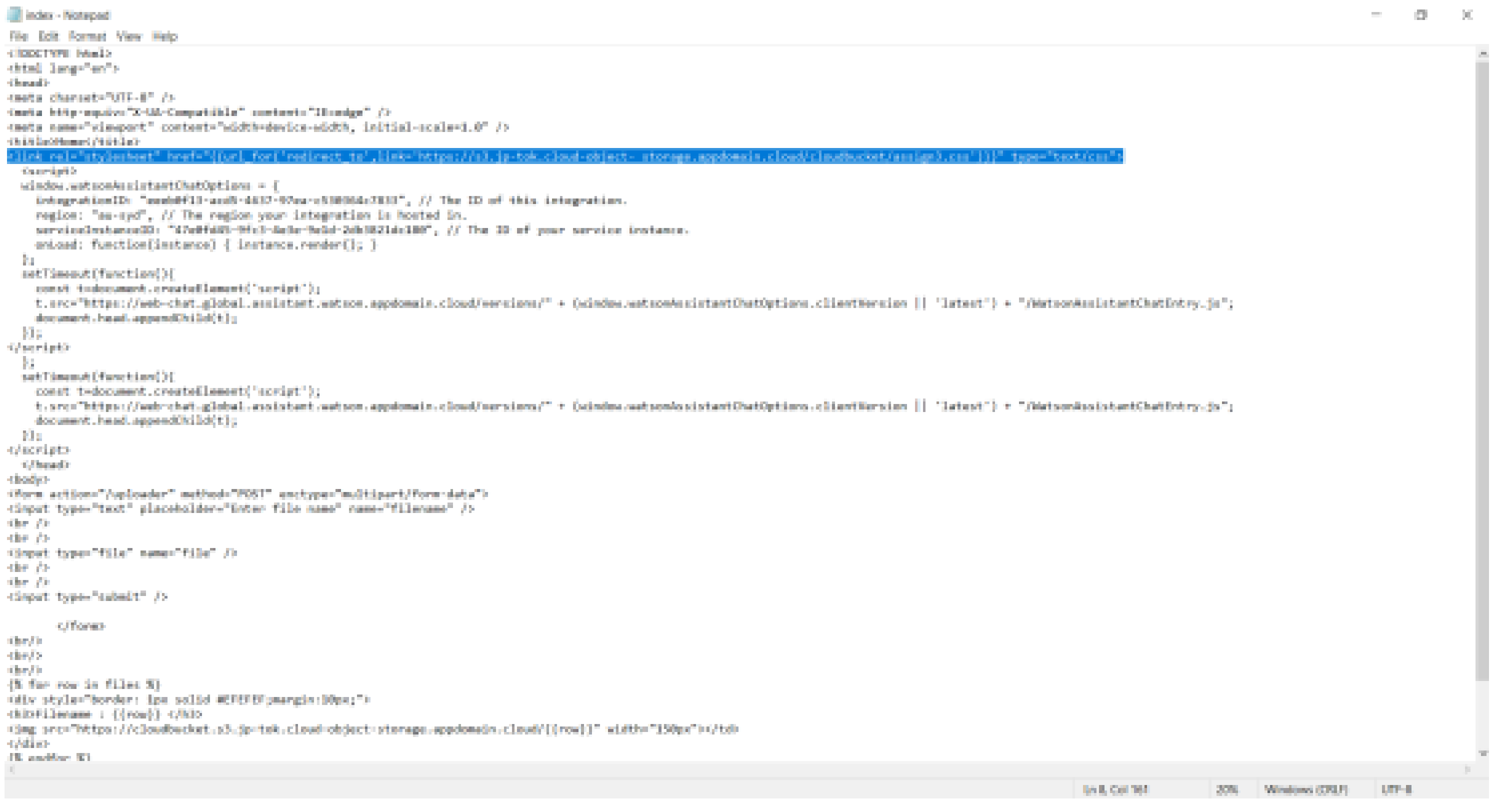
2. Upload a css page to the object storage and use the same page in your HTML code.



Buckets

Buckets serve as containers for objects, and can be individually configured in terms of their location, resiliency, billing rates, security, and object lifecycle rules.

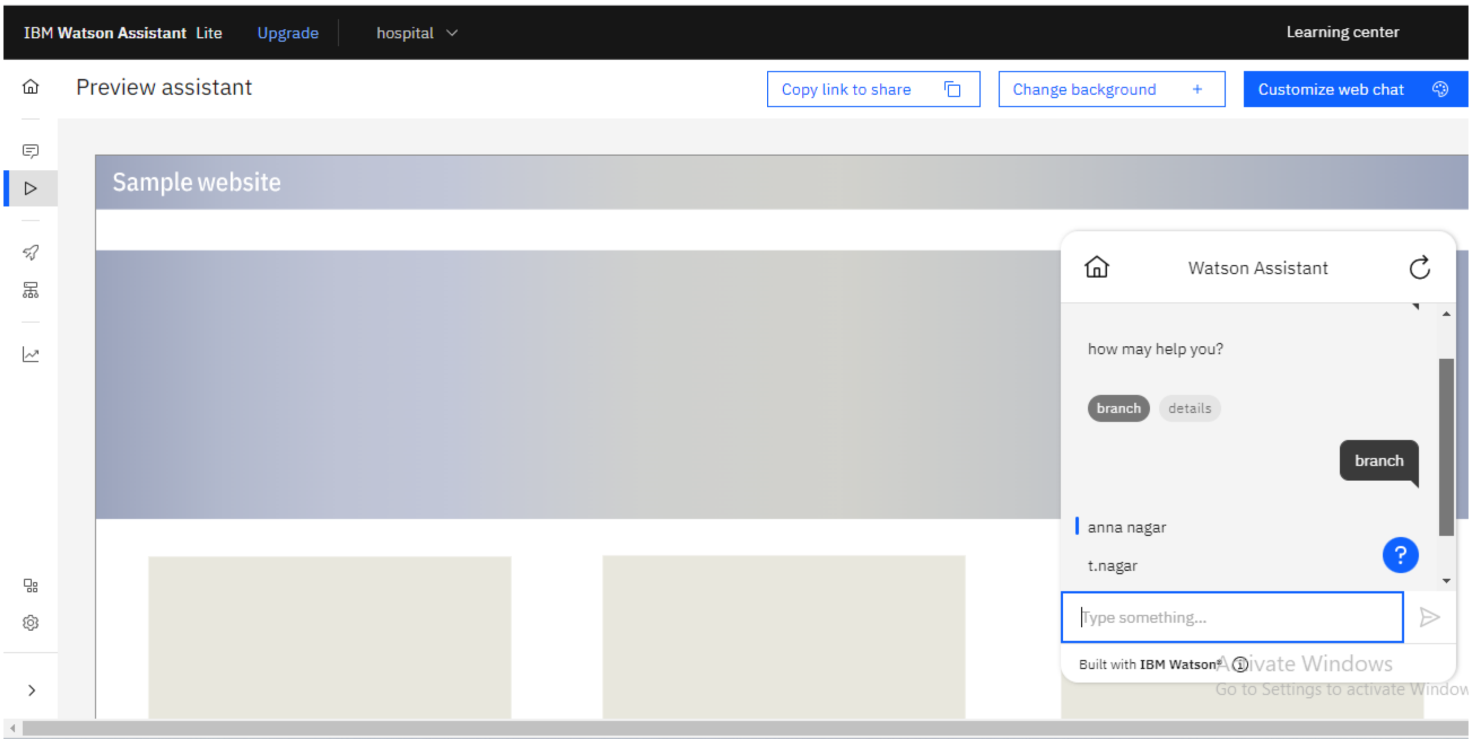
Name	Public access	Location	Storage class	Created
skillbot	Yes	jp-tok	Smart Tier	2022-10-21 10:09 PM



```
<!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: "[illegible]", // The ID of this integration.
    region: "au-syd", // The region your integration is hosted in.
    serviceInstanceID: "[illegible]", // 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>
  };
  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://cloudbucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/{{row}}" width="150px"></td>
</div>
{% endfor %}
```

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



how may help you?

branch details

branch

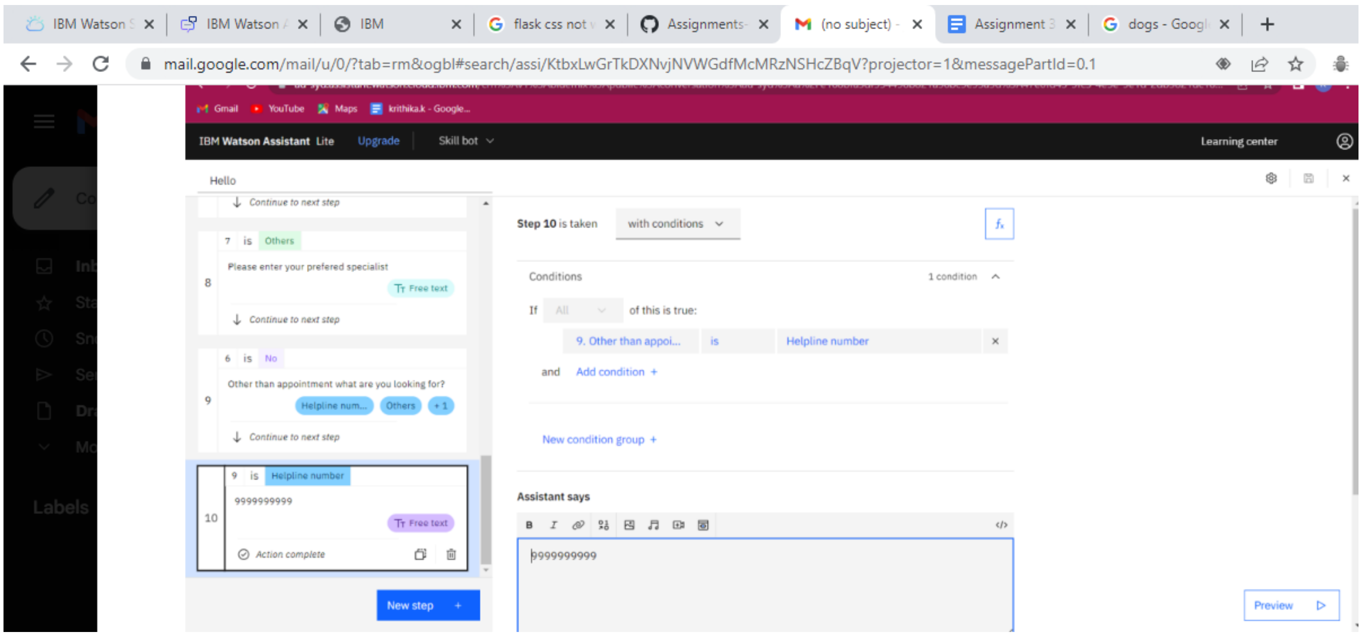
anna nagar

t.nagar

Type something...

Web URL for Assistant:
https://web-chat.global.assistant.watson.appdomain.cloud/preview.html?backgroundImageURL=https%3A%2F%2Fau-syd.assistant.watson.cloud.ibm.com%2Fpublic%2Fimages%2Fupx-6a00d3de-c85d-45d1-ac93-3662219a5b2b%3A%3A74a486c0-8029-40d6-965f-c5c337306b0d&integrationID=03dbecd7-48aa-49df-bd1b-916901c57bf9&region=au-syd&serviceInstanceID=6a00d3de-c85d-45d1-ac93-3662219a5b2b

4.Create Watson assistant service with 10 steps and use 3 conditions in it. Load thatscript in HTML page.



↓ Continue to next step

8 — 7 is Others
Please enter your prefered specialist
Free text
↓ Continue to next step

9 — 6 is No
Other than appointment what are you looking for?
Helpline num... Others +1
↓ Continue to next step

10 — 9 is Helpline number
9999999999
Free text
Action complete

Step 10 is taken with conditions

Conditions — 1 condition

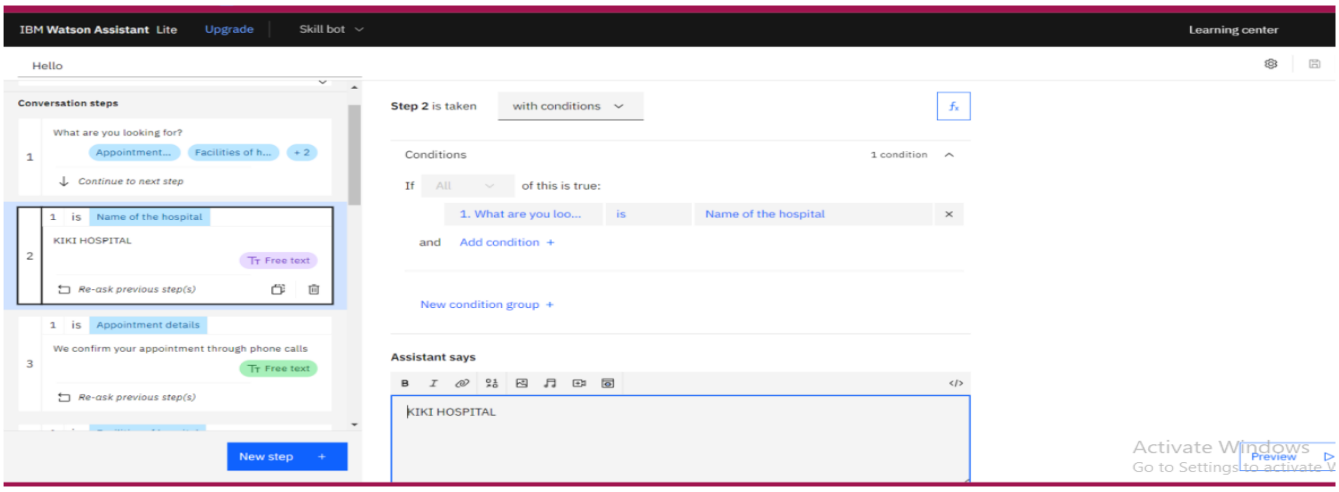
If All of this is true:
9. Other than appoi... is Helpline number
and Add condition +

New condition group +

Assistant says

9999999999

Included 3 conditions in steps:



1 What are you looking for? Appointment... Facilities of h... +2
Continue to next step

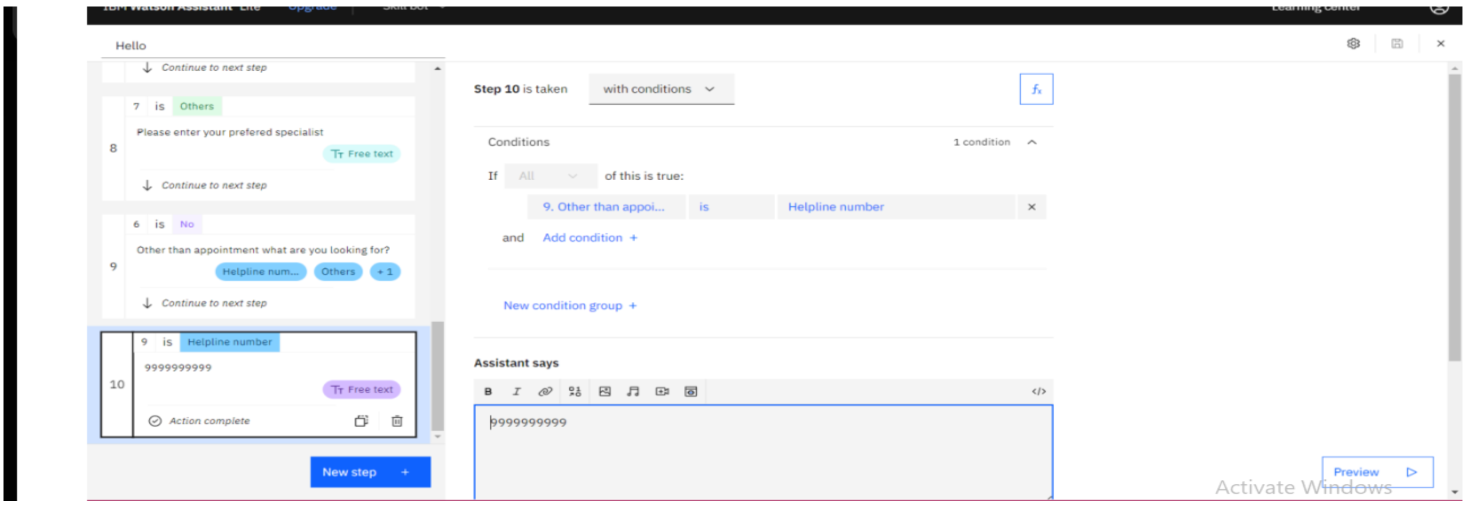
2 1 is Name of the hospital
KIKI HOSPITAL
Free text
Re-ask previous step(s)

3 1 is Appointment details
We confirm your appointment through phone calls
Free text
Re-ask previous step(s)

Step 2 is taken with conditions

Conditions 1 condition
If All of this is true:
1. What are you loo... is Name of the hospital
and Add condition +
New condition group +

Assistant says
KIKI HOSPITAL



Continue to next step

8 7 is Others
Please enter your prefered specialist
Free text
Continue to next step

9 6 is No
Other than appointment what are you looking for?
Helpline num... Others +1
Continue to next step

10 9 is Helpline number
9999999999
Free text
Action complete

Step 10 is taken with conditions

Conditions 1 condition
If All of this is true:
9. Other than appoi... is Helpline number
and Add condition +
New condition group +

Assistant says
9999999999

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: "eeeb0f13-acd5-4637-97ea-c530364c7833", // The ID of this integration.
region: "au-syd", // The region your integration is hosted in.
 serviceInstanceID: "47e0fd45-9fc3-4e3e-9e1d-2db3821dc180", // 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://cloudbucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/{{row}}"
width="150px"></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
```