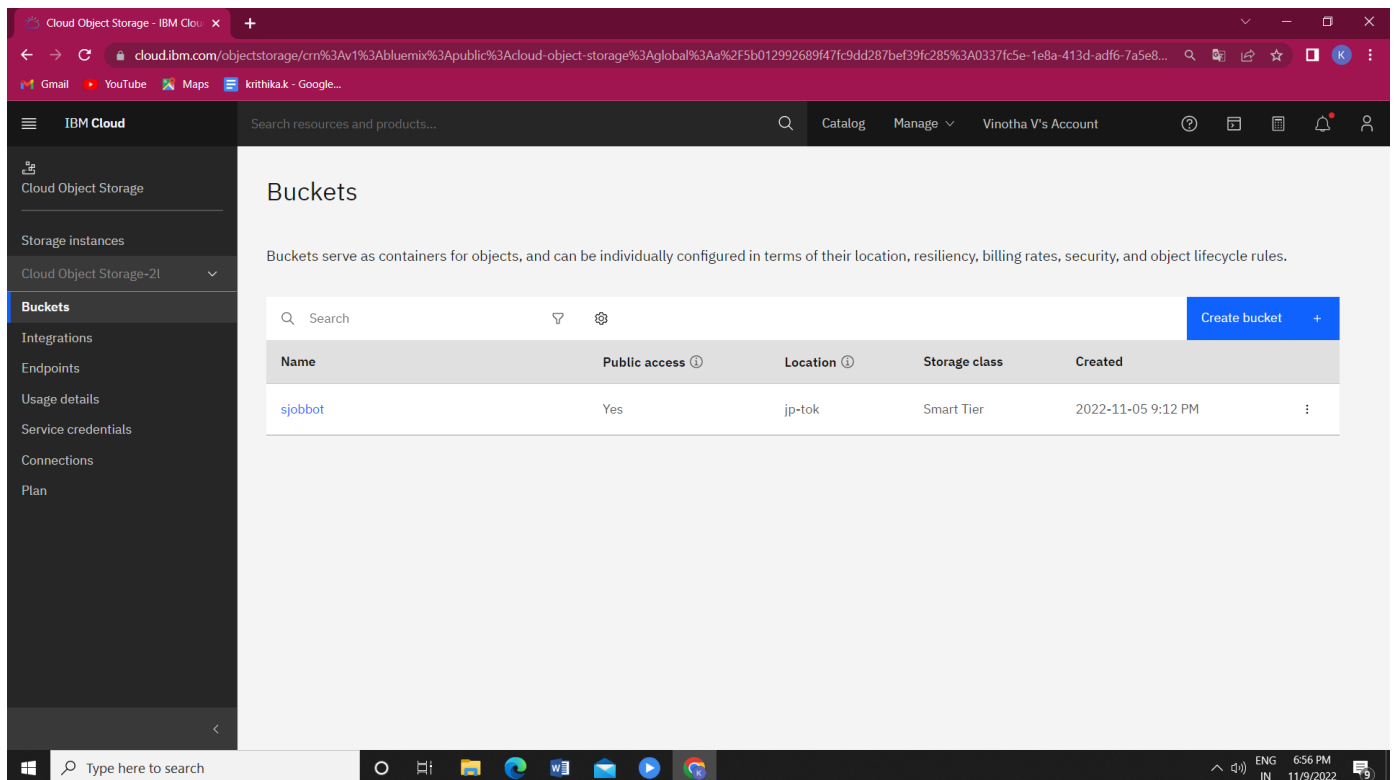


Assignment-3

Date	10 October 2022
Team ID	PNT2022TMID30715
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/cm%3Av1%3Abluemix%3Apublic%3Acloud-object-storage%3Aglobal%3Aa%2F5b012992689f47fc9dd287bef39fc285%3A0337fc5e-1e8a-413d-adf6-7a5e8...

GmailYouTubeMaps

krithika.k - Google...

IBM Cloud

Search resources and products...

CatalogManageVinotha V's Account

Cloud Object Storage

Storage instances

Cloud Object Storage-21

Buckets

Integrations

Endpoints

Usage details

Service credentials

Connections

Plan

Storage / Cloud Object Storage-21 / sjobbot

TransfersDetailsActions...

ObjectsConfigurationPermissions

Warning: All objects in this bucket have public view access.

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

2022-11-05 9:13 PM

⋮

☐

nat...jfif

7.4 KB

2022-11-05 9:12 PM

⋮

☐

nat...L.jfif

5.0 KB

2022-11-05 9:13 PM

⋮

☐

nat...2.jpg

181.0 KB

2022-11-05 9:13 PM

⋮

☐

nat...3.jfif

7.1 KB

2022-11-05 9:13 PM

⋮

Upload

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

Type here to search

ENG 9:13 PM IN 11/9/2022

Cloud Object Storage - IBM Cloud

cloud.ibm.com/objectstorage/cm%3Av1%3Abluemix%3Apublic%3Acloud-object-storage%3Aglobal%3Aa%2F5b012992689f47fc9dd287bef39fc285%3A0337fc5e-1e8a-413d-adf6-7a5e8...

GmailYouTubeMaps

krithika.k - Google...

IBM Cloud

Search resources and products...

CatalogManageVinotha V's Account

Cloud Object Storage

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Cloud Object Storage-21

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Bucket access policies

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

Policy type

☒ User ☐ Service ID ☐ Access Group

Select a user

Vinotha V

Role for this policy

Writer

As a Writer

Create access policy

Public access

Context-based restrictions

Firewall (legacy)

Access policy update

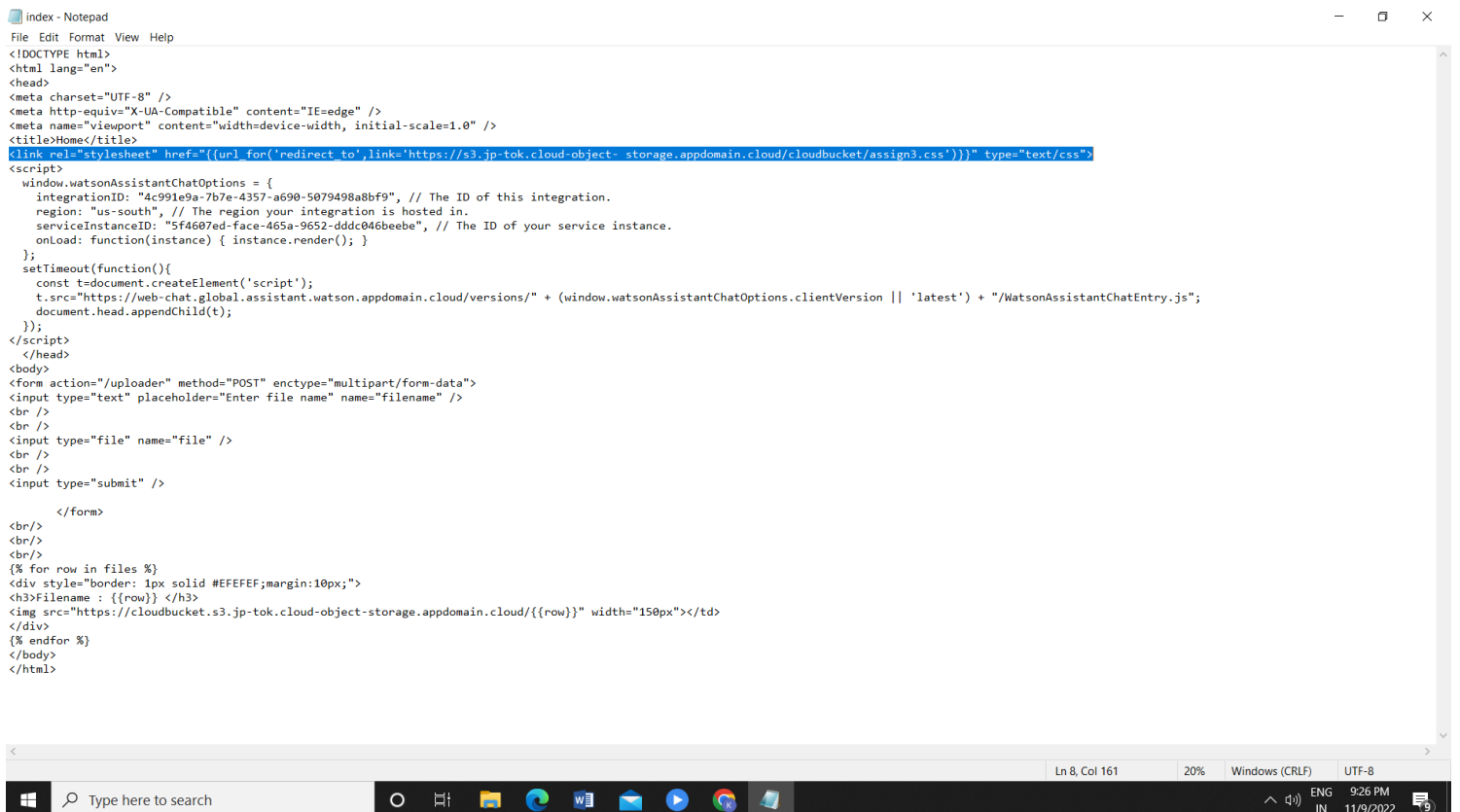
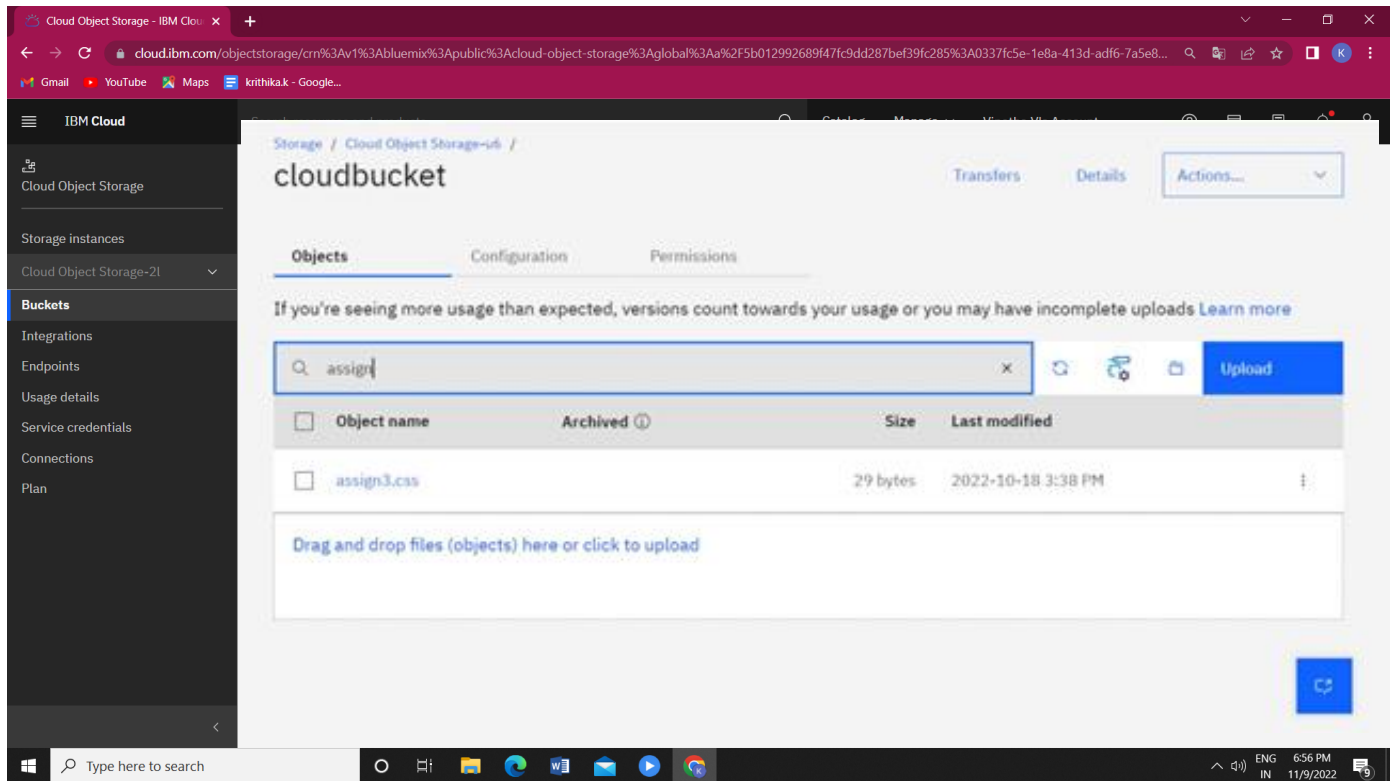
User policy created

A new access policy for this bucket was created for the user:
Vinotha V (vinothachoudri@gmail.com)
To delete/edit go to the [IAM console](#).

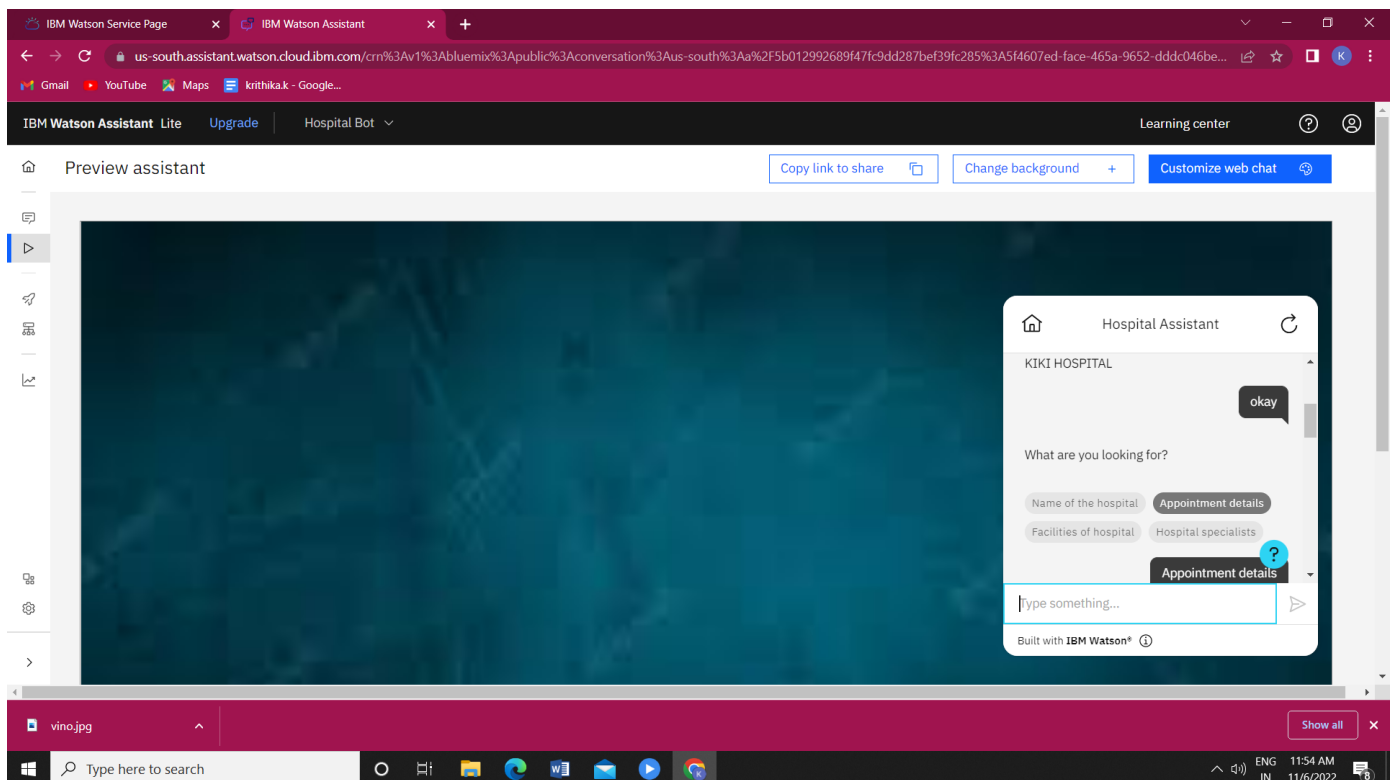
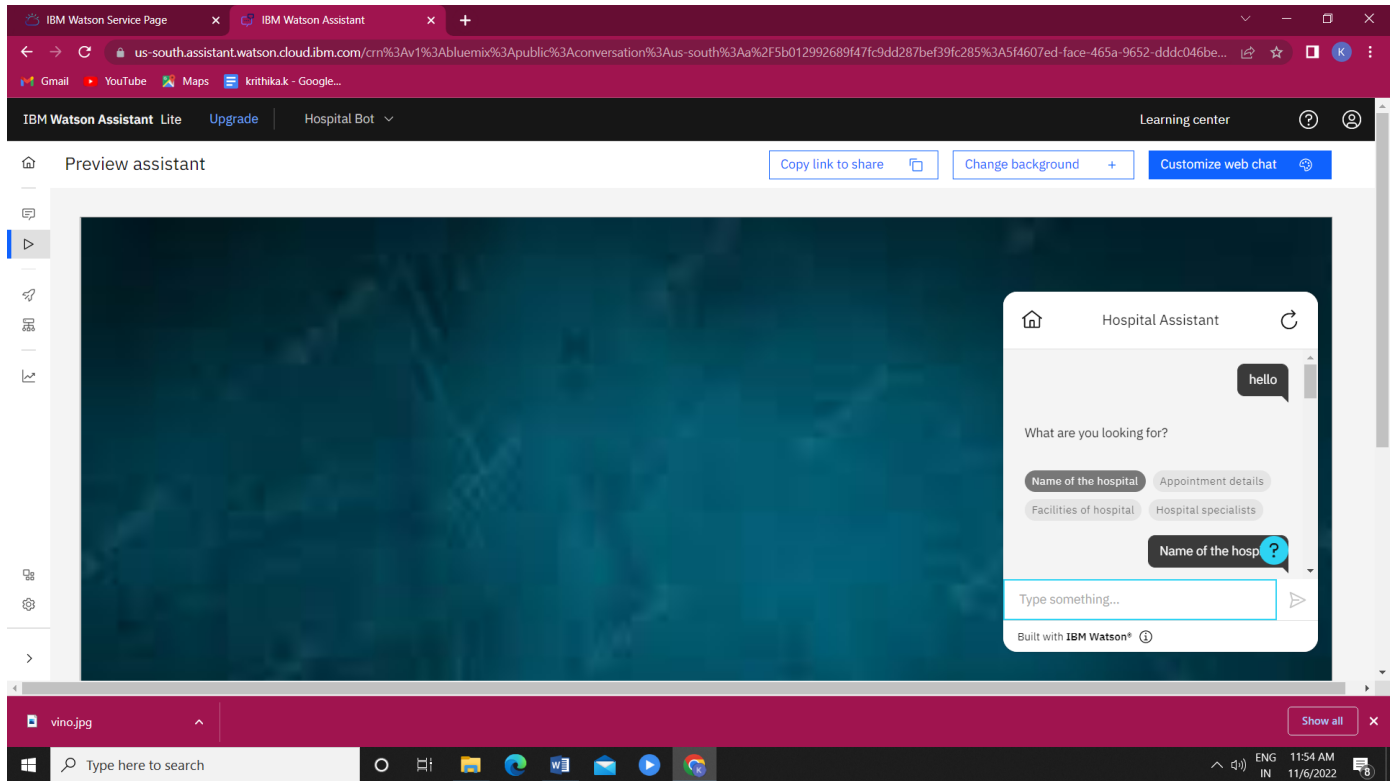
Type here to search

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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:

<https://web-chat.global.assistant.watson.appdomain.cloud/preview.html?backgroundImageURL=https%3A%2F%2Fus-south.assistant.watson.cloud.ibm.com%2Fpublic%2Fimages%2Fupx-5f4607ed-face-465a-9652-dddc046beebe%3A%3Aa3138b1d-8dae-4237-aa3e-446b5611b8a9&integrationID=4c991e9a-7b7e-4357-a690-5079498a8bf9®ion=us-south&serviceInstanceID=5f4607ed-face-465a-9652-dddc046beebe>

4. 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 conversation flow diagram shows 10 steps. Step 7 is highlighted, showing a condition 'ENT' and 'Cardiology'. Step 8 is 'Others'. Step 9 is 'No'. Step 10 is 'helpline number'. The right pane shows the configuration for Step 10, which is taken 'with conditions'. A single condition is defined: 'If All of this is true: 9. Other than appoi... is helpline number'. The 'Assistant says' section shows the text '999999999'. The 'User enters free text' section is visible at the bottom.

Included 3 conditions in steps:

The screenshot shows the IBM Watson Assistant interface for a bot named "Hospital Bot". The left sidebar displays a list of conversation steps. Step 2 is highlighted, showing a user input "Name of the hospital" and a system response "KIKI HOSPITAL". The main panel shows the configuration for Step 2, which is set to "with conditions". The conditions section shows a single condition: "If All of this is true: 1. What are you looking for is Name of the hospital". The assistant's response is "KIKI HOSPITAL".

IBM Watson Assistant Lite Upgrade Hospital Bot Learning center

hello

Conversation steps

1 What are you looking for? Name of the ... Appointment... +2

Continue to next step

2 1 is Name of the hospital KIKI HOSPITAL Tr Free text

Re-ask previous step(s)

3 1 is Appointment details We confirm your appointment through phone calls Tr 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 shows the IBM Watson Assistant interface for a bot named "Hospital Bot". The left sidebar displays a list of conversation steps. Step 4 is highlighted, showing a user input "Facilities of hospital" and a system response "We provide you with good and healthy environment including patient clothes, beds and all other needs." The main panel shows the configuration for Step 4, which is set to "with conditions". The conditions section shows a single condition: "If All of this is true: 1. What are you looking for is Facilities of hospital". The assistant's response is "We provide you with good and healthy environment including patient clothes, beds and all other needs.".

IBM Watson Assistant Lite Upgrade Hospital Bot Learning center

hello

Re-ask previous step(s)

1 is Appointment details We confirm your appointment through phone calls Tr 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. Tr Free text

Re-ask previous step(s)

1 is Hospital specialists we have multiple specialists available in our hospital with ENT, Cardiology, Radiology... Tr Free text

Re-ask previous step(s)

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 Service Page

IBM Watson Assistant

+

us-south.assistant.watson.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Aconversation%3Aus-south%3Aa%2F5b012992689f47fc9dd287bef39fc285%3A5f4607ed-face-465a-9652-dddc0...

GmailYouTubeMapskrithika.k - Google...

IBM Watson Assistant LiteUpgradeHospital Bot

Learning center?

hello

7

ENTCardiology+ 2

Re-ask previous step(s)

7

isOthers

Please enter your preferred specialist

8

Free text

Re-ask previous step(s)

6

isNo

Other than appointment what are you looking for?

9

helpline num...Others+ 1

Re-ask previous step(s)

9

ishelpline number

9999999999

10

Free text

Action complete

New step +

Step 9 is taken

with conditions

f_x

Conditions

1 condition

If

All

of this is true:

6. Are you looking f...

is

No

x

and

Add condition +

New condition group +

Assistant says

B I

Other than appointment what are you looking for?

Parking facilities

helpline number

Others

Preview

▶

Type here to search

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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>

    <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: "4c991e9a-7b7e-4357-a690-5079498a8bf9", // The ID of this integration.

        region: "us-south", // The region your integration is hosted in.

        serviceInstanceID: "5f4607ed-face-465a-9652-dddc046beebe", // 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)
```