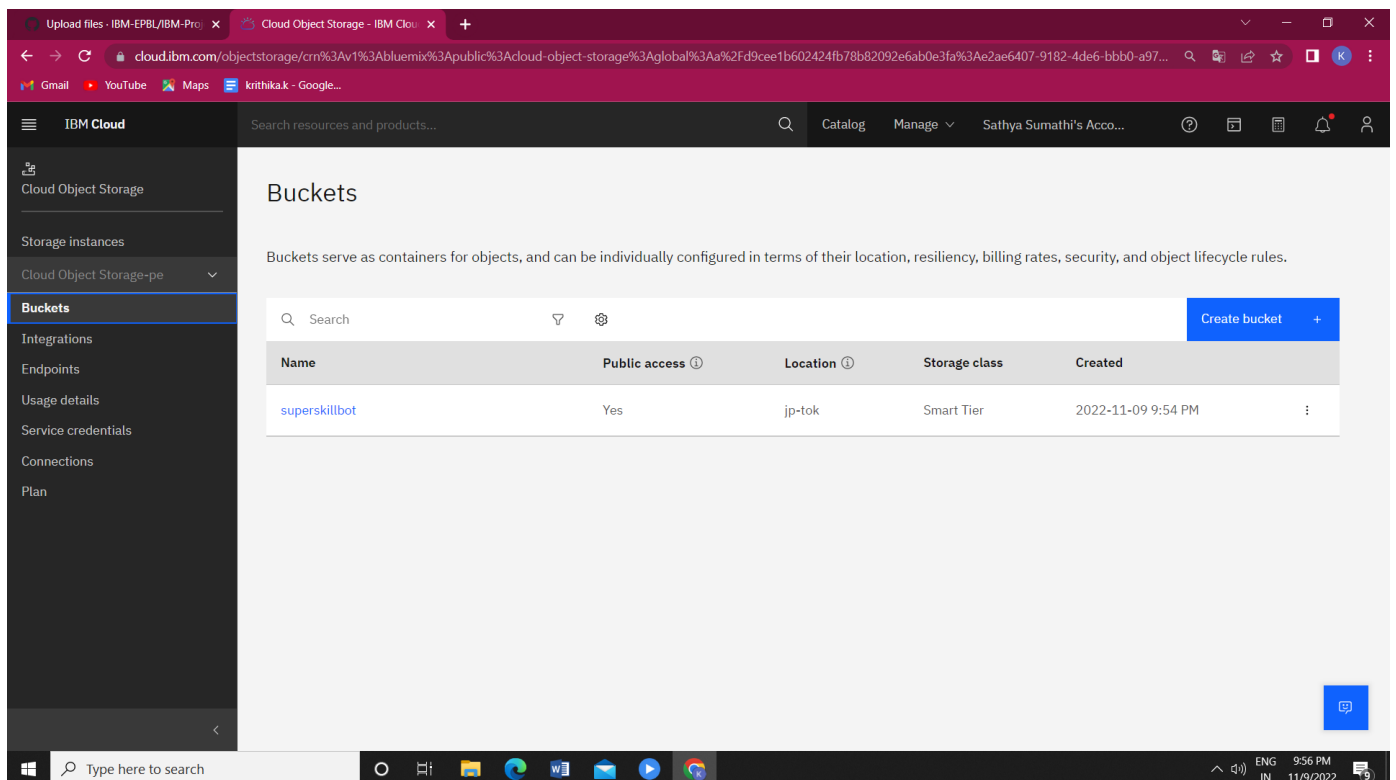


## Assignment-3

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.**

Upload files - IBM-EPBL/IBM-Pro

Cloud Object Storage - IBM Clou

+

cloud.ibm.com/objectstorage/cm%3Av1%3Abluemix%3Apublic%3Acloud-object-storage%3Aglobal%3Aa%2Fd9cee1b602424fb78b82092e6ab0e3fa%3Ae2ae6407-9182-4de6-bbb0-a97...

GmailYouTubeMapskrithika.k - Google...

IBM Cloud

Search resources and products...

CatalogManageSathya Sumathi's Acco...

Cloud Object Storage

Storage instances

Cloud Object Storage-pe

Buckets

Integrations

Endpoints

Usage details

Service credentials

Connections

Plan

Storage / Cloud Object Storage-pe /

superskillbot

TransfersDetailsActions...

ObjectsConfigurationPermissions

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 9:55 PM

:

☐

nat...jfif

7.4 KB

2022-11-09 9:54 PM

:

☐

nat...L.jfif

5.0 KB

2022-11-09 9:54 PM

:

☐

nat...2.jpg

181.0 KB

2022-11-09 9:54 PM

:

☐

nat...3.jfif

7.1 KB

2022-11-09 9:55 PM

:

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

Upload

Type here to search

ENG 9:55 PM IN 11/9/2022

Upload files - IBM-EPBL/IBM-Pro

Cloud Object Storage - IBM Clou

+

cloud.ibm.com/objectstorage/cm%3Av1%3Abluemix%3Apublic%3Acloud-object-storage%3Aglobal%3Aa%2Fd9cee1b602424fb78b82092e6ab0e3fa%3Ae2ae6407-9182-4de6-bbb0-a97...

GmailYouTubeMapskrithika.k - Google...

IBM Cloud

Search resources and products...

CatalogManageSathya Sumathi's Acco...

Cloud Object Storage

Storage instances

Cloud Object Storage-pe

Buckets

Integrations

Endpoints

Usage details

Service credentials

Connections

Plan

As a Writer, one can create/modify/delete buckets. In addition, one can upload and download the objects in the bucket.

Create access policy

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](#).

Learn more

X

Status: En

Role for thi

Content

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

Create access policy

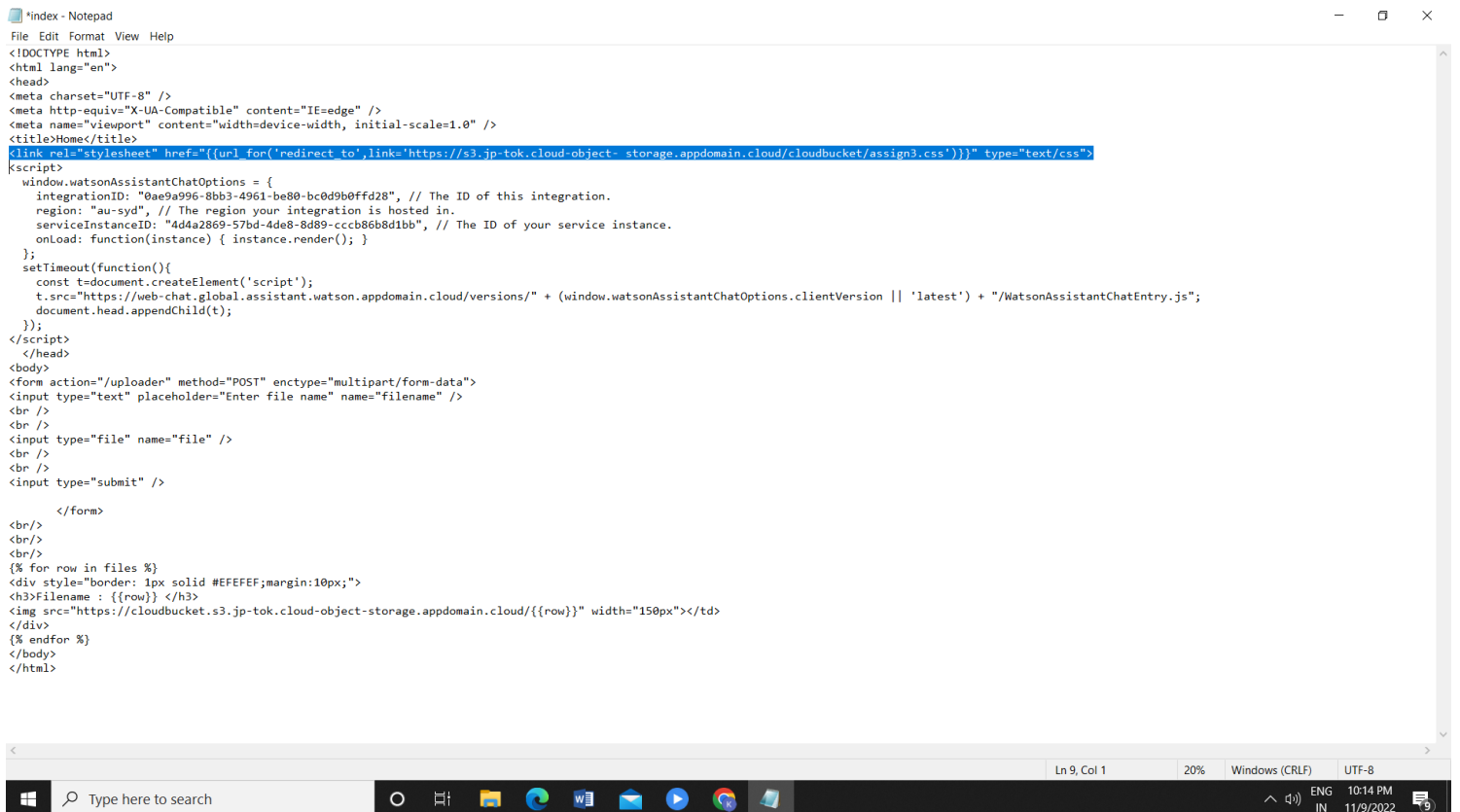
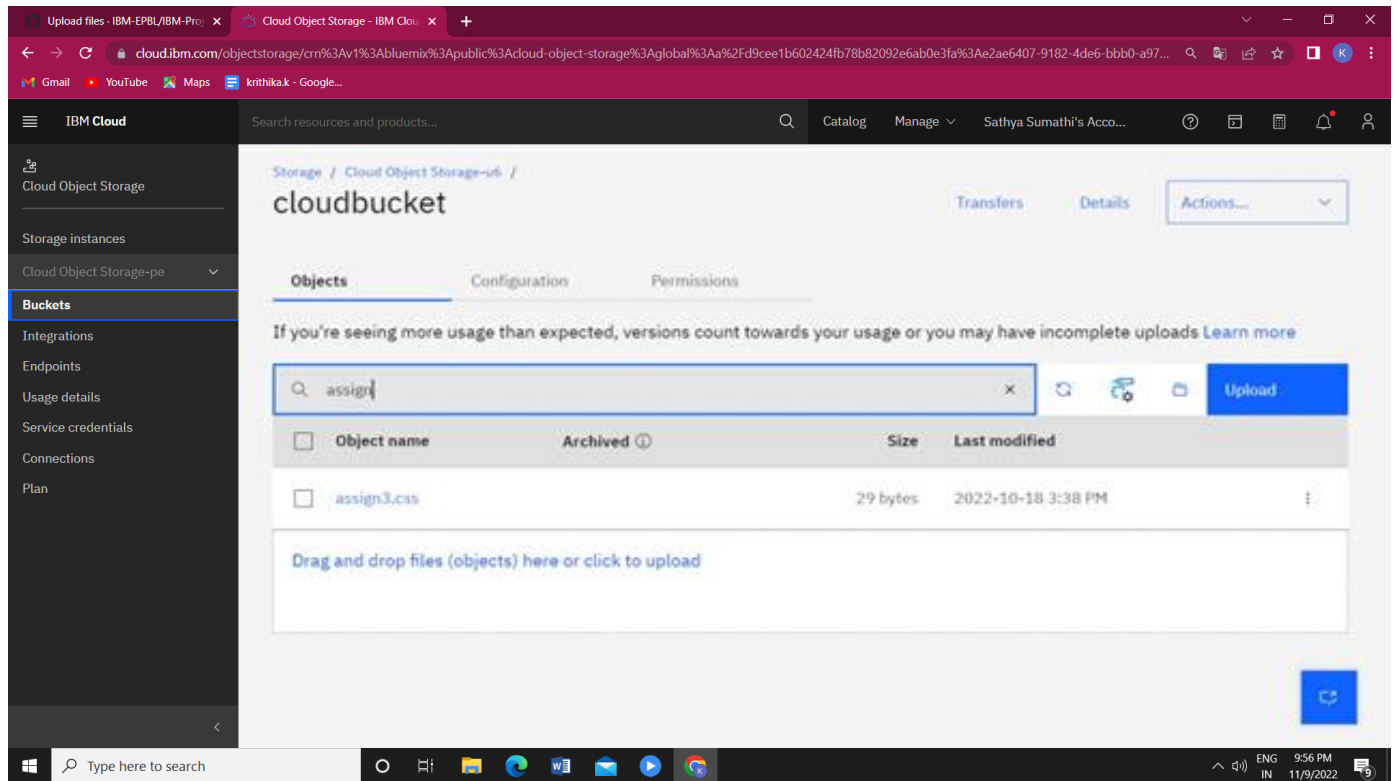
Context-based restrictions

Firewall (legacy)

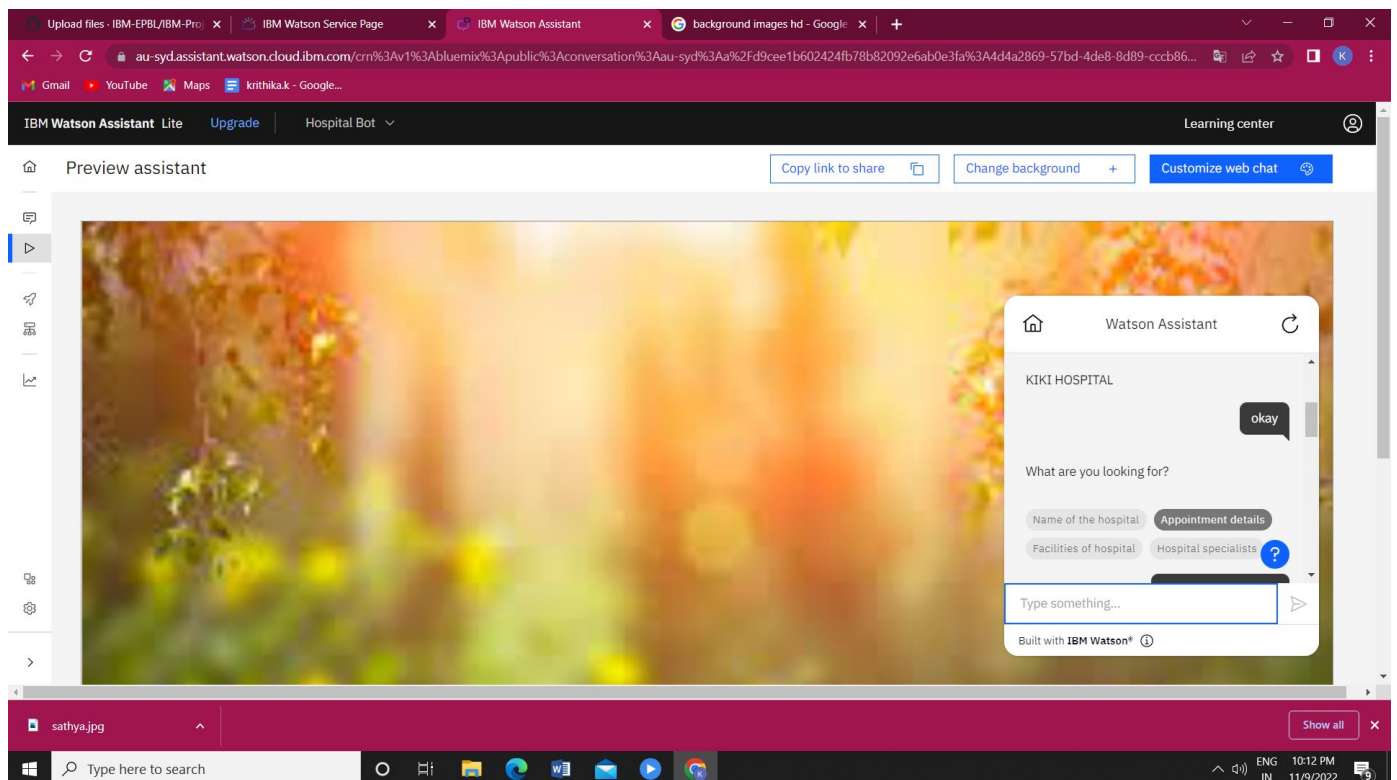
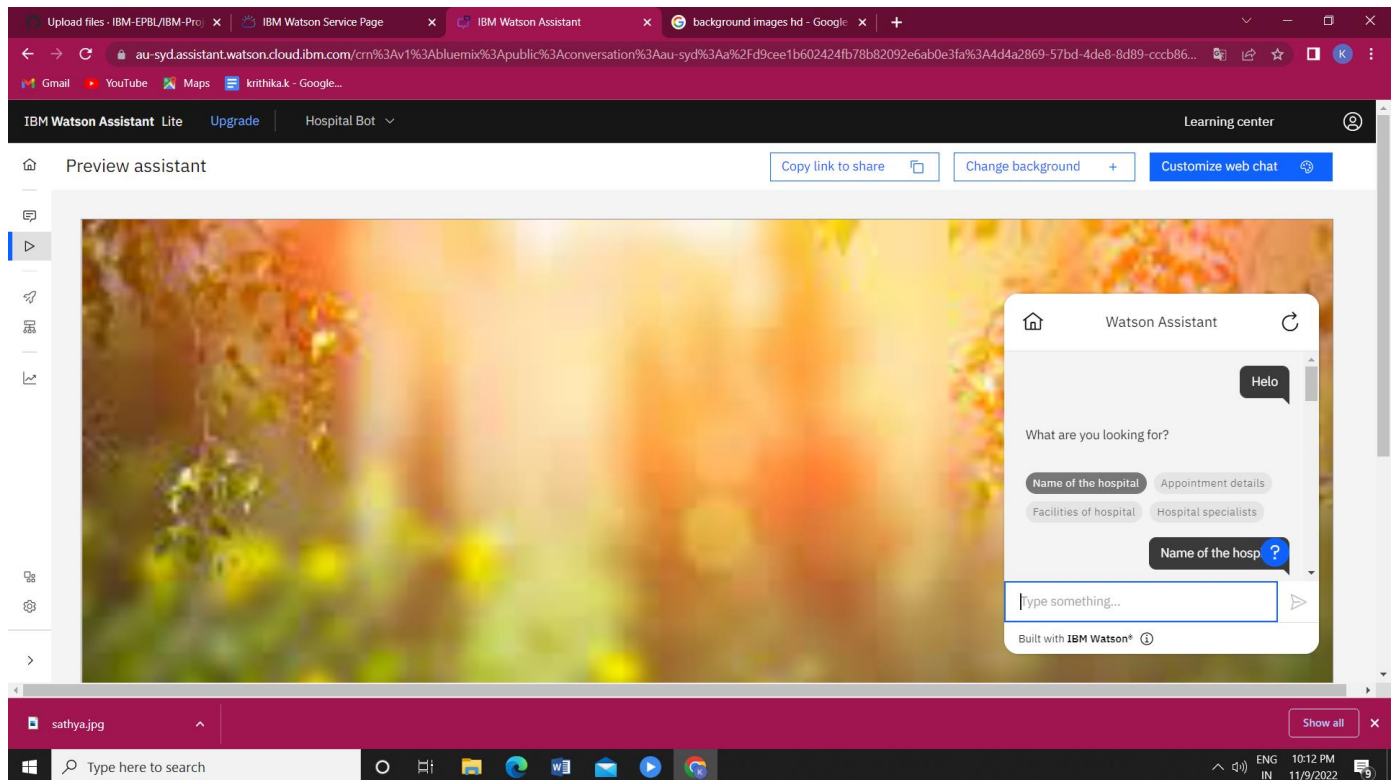
Type here to search

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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%2Fau-syd.assistant.watson.cloud.ibm.com%2Fpublic%2Fimages%2Fupx-4d4a2869-57bd-4de8-8d89-cccb86b8d1bb%3A%3A9641ac5a-86c3-40e7-b9fb-f6771518264b&integrationID=0ae9a996-8bb3-4961-be80-bc0d9b0ffd28&region=au-syd&serviceInstanceID=4d4a2869-57bd-4de8-8d89-cccb86b8d1bb>

### 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 interface. On the left, a conversation flow is shown with 10 steps. Steps 6, 7, and 9 are highlighted. Step 6 is a 'Yes' condition leading to 'Which specialist do you prefer?'. Step 7 is an 'Others' condition leading to 'Please enter your preferred specialist.'. Step 9 is a 'No' condition leading to 'Other than appointment what are you looking for?'. Step 10 is a 'Free text' condition leading to '9999999999'. On the right, the 'Assistant says' section shows a code editor with the text '9999999999'. Below the code editor, there is a 'User enters free text' message. At the bottom, there is a 'Preview' button.

## Included 3 conditions in steps:

The screenshot shows the IBM Watson Assistant interface with the following components:

- Header:** Includes tabs for "Upload files - IBM-EPBL/IBM-Pro", "IBM Watson Service Page", and "IBM Watson Assistant". The browser address bar shows a URL from `au-syd.assistant.watson.cloud.ibm.com`.
- Navigation:** Buttons for "IBM Watson Assistant", "Lite", "Upgrade", and "Hospital Bot". A "Learning center" link is in the top right.
- Left Panel (Conversation steps):**
  - Step 1: "What are you looking for?" with a "Name of the ..." condition.
  - Step 2 (highlighted): "Name of the hospital" with a "Free text" input and a "Re-ask previous step(s)" button.
  - Step 3: "Appointment details" with a "Free text" input and a "Re-ask previous step(s)" button.
- Main Panel (Step 2 configuration):**
  - Step 2 is taken** with a dropdown set to "with conditions".
  - Conditions:** A section showing "1 condition". It includes a rule: "If All of this is true:" followed by "1. What are you looking for is Name of the hospital".
  - Assistant says:** A text area containing "KIKI HOSPITAL".
  - User input:** A placeholder "User enters free text".
  - Buttons:** "New condition group +", "Preview", and "Re-ask previous step(s)".

The screenshot shows the IBM Watson Assistant interface with the following components:

- Header:** Similar to the first screenshot, showing the same tabs and navigation elements.
- Left Panel (Conversation steps):**
  - Step 1: "Appointment details" with a "Free text" input and a "Re-ask previous step(s)" button.
  - Step 2: "Facilities of hospital" with a "Free text" input and a "Re-ask previous step(s)" button.
  - Step 3: "Hospital specialists" with a "Free text" input and a "Continue to next step" button.
- Main Panel (Step 4 configuration):**
  - Step 4 is taken** with a dropdown set to "with conditions".
  - Conditions:** A section showing "1 condition". It includes a rule: "If All of this is true:" followed by "1. What are you looking for is Facilities of hospital".
  - Assistant says:** A text area containing "We provide you with good and healthy environment including patient clothes, beds and all other needs."
  - User input:** A placeholder "User enters free text".
  - Buttons:** "New condition group +", "Preview", and "Re-ask previous step(s)".

Upload files - IBM-EPBL/IBM-Pro x IBM Watson Service Page x IBM Watson Assistant x +

au-syd.assistant.watson.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Aconversation%3Aau-syd%3Aa%2Fd9cee1b602424fb78b82092e6ab0e3fa%3A4d4a2869-57bd-4de8-8d89-cccb86...

Gmail YouTube Maps krithika.k - Google...

IBM Watson Assistant Lite Upgrade Hospital Bot v Learning center

Helo

7

ENT cardiology + 2

Continue to next step

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?

9

Parking facilit... helpline num... + 1

Continue to next step

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        </>

Other than appointment what are you looking for?

Parking facilities helpline number Others

Preview

Type here to search



ENG 10:09 PM

IN 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: "0ae9a996-8bb3-4961-be80-bc0d9b0ffd28", // The ID of this integration.

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

        serviceInstanceID: "4d4a2869-57bd-4de8-8d89-cccb86b8d1bb", // 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)
```