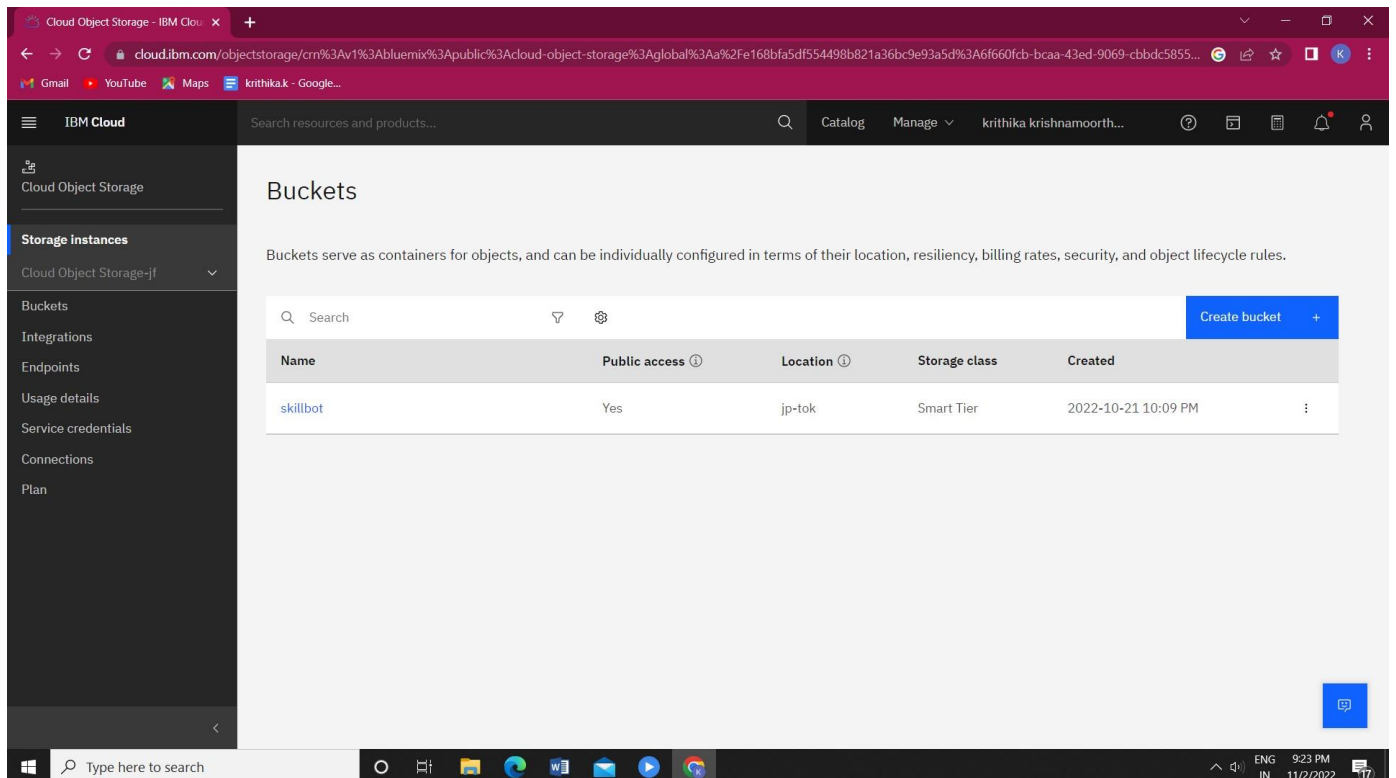


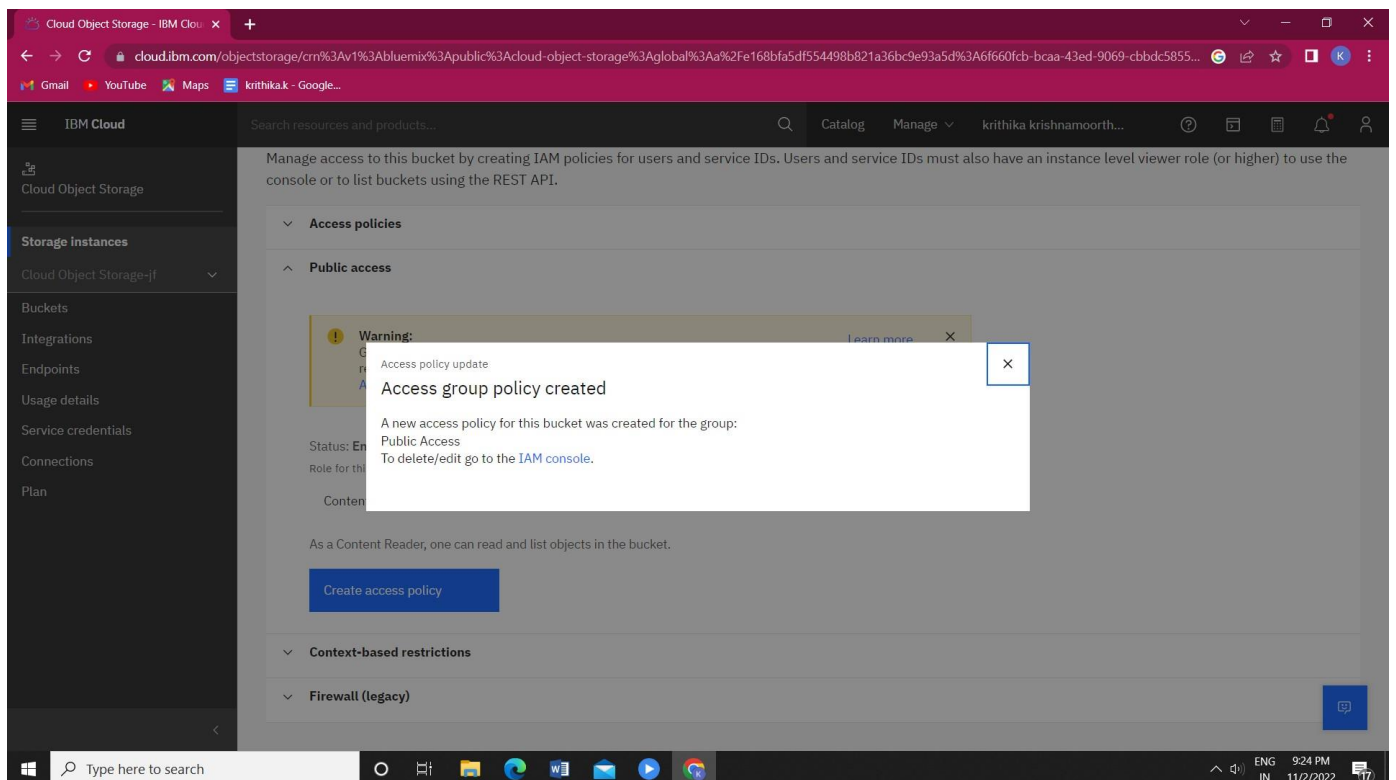
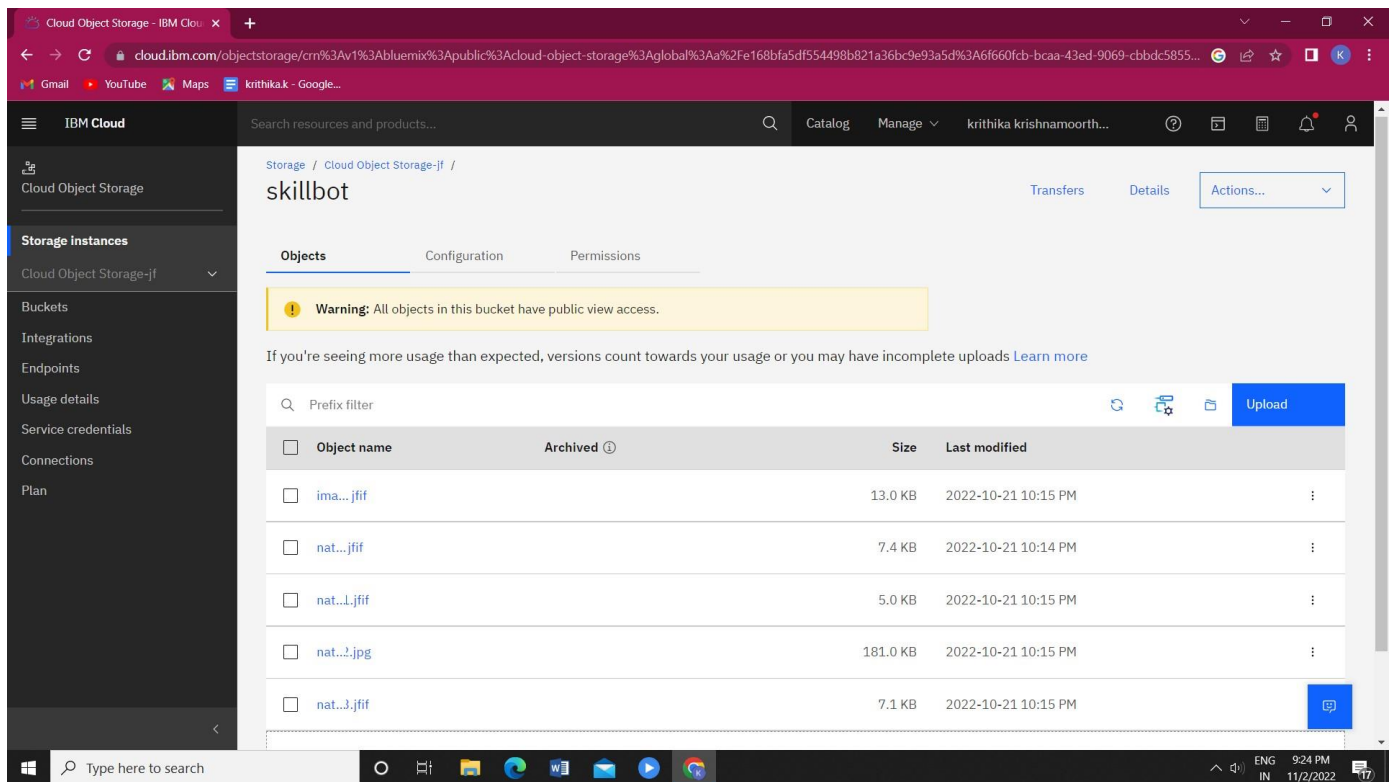
## Assignment-3

Team ID	PNT2022TMID13254
Project Name	Skill and Job Recommender Application

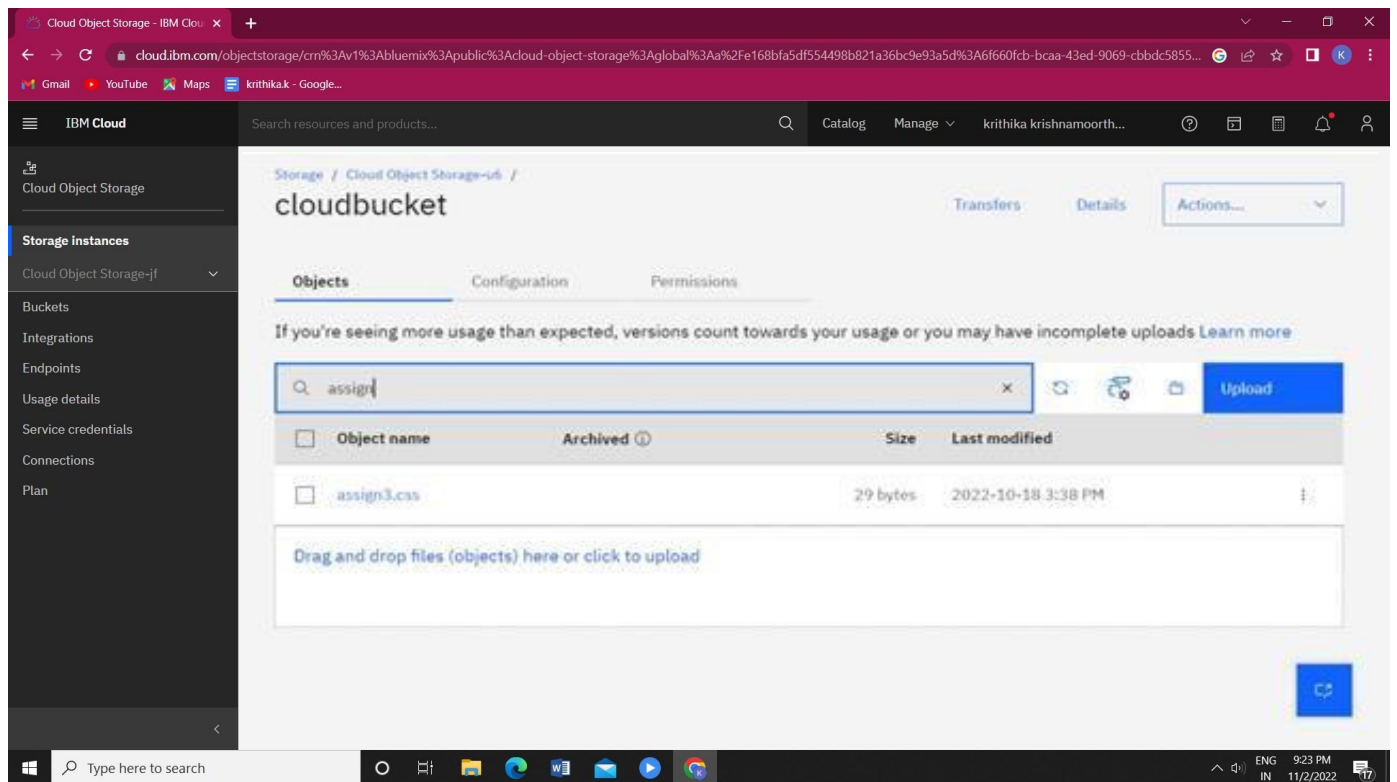
### 1. CREATE A BUCKET IN IBM OBJECT STORAGE.



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



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

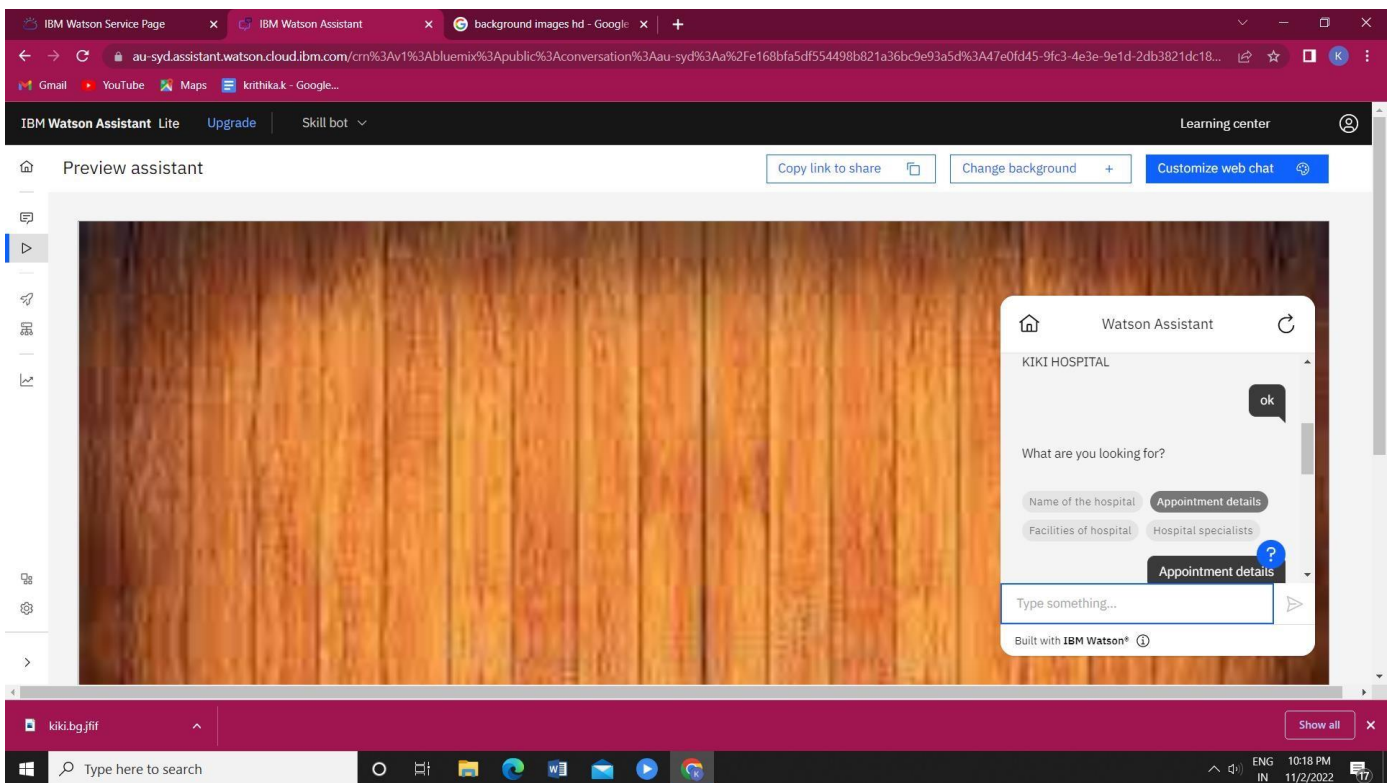
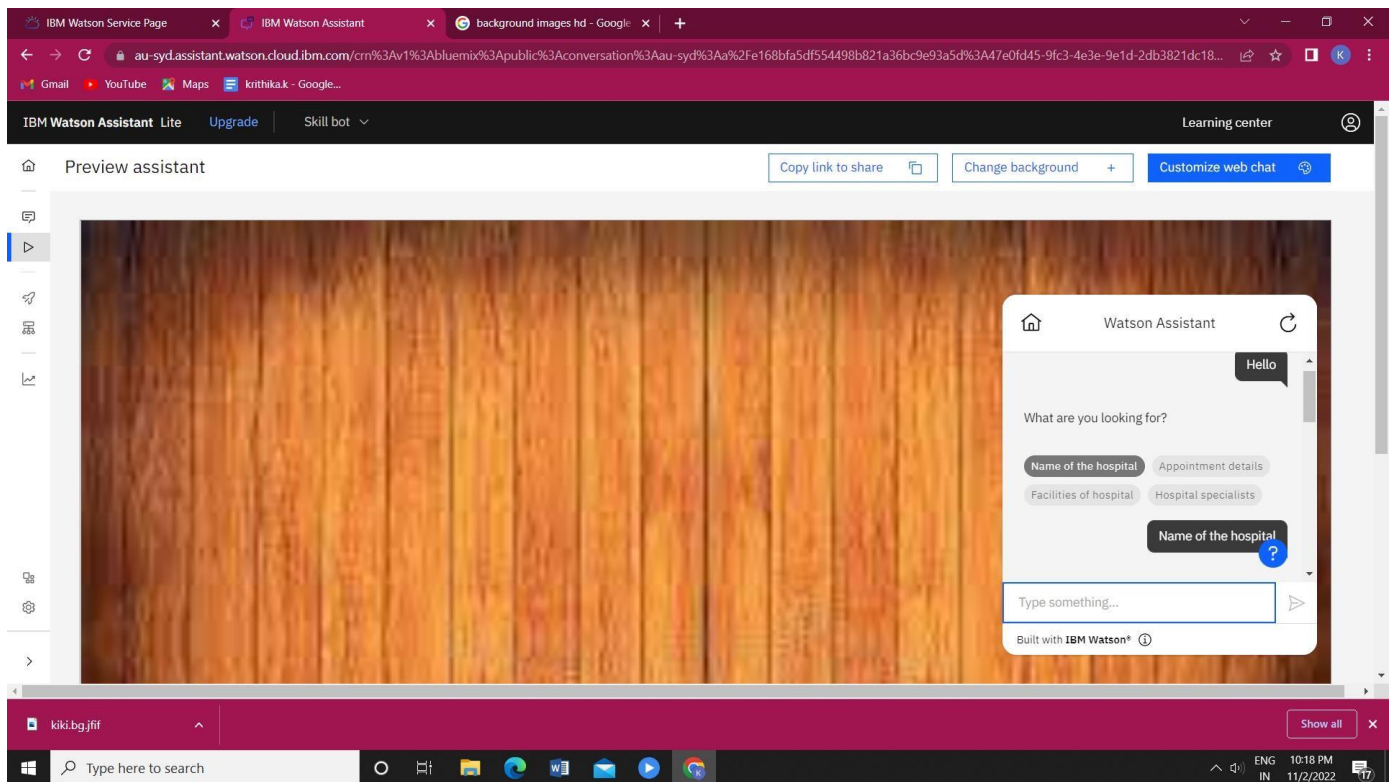


```

index - Notepad
File Edit Format View Help
<!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>
<script>
  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 />
<input type="file" name="file" />
<br />
<input type="submit" />
</form>
<br/>
<br/>
<br/>
{% for row in files %}
<div style="border: 1px solid #E0E0E0;margin:10px;">
<h3>Filename : {{row}} </h3>
</div>
</div>
{% endfor %}

```

### 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%](https://web-chat.global.assistant.watson.appdomain.cloud/preview.html?backgroundImageURL=https%3A%2F%2Fwww.ibm.com%2Fimages%2Fcloud%2Fwatson%2Fassistant%2Fbackground%2Fbackground.jpg)

[3A%2F%2Fau-syd.assistant.watson.cloud.ibm.com%2Fpublic%2Fimages%2Fupx-47e0fd45-9fc3-4e3e-9e1d-2db3821dc180%3A%3A086906ae-3a86-4691-9bae3ce8e98fc0f5&integrationID=eeeb0f13-acd5-4637-97ea-c530364c7833&region=ausyd&serviceInstanceID=47e0fd45-9fc3-4e3e-9e1d-2db3821dc180](https://au-syd.assistant.watson.cloud.ibm.com/public/images/Fupx-47e0fd45-9fc3-4e3e-9e1d-2db3821dc180%3A%3A086906ae-3a86-4691-9bae3ce8e98fc0f5&integrationID=eeeb0f13-acd5-4637-97ea-c530364c7833&region=ausyd&serviceInstanceID=47e0fd45-9fc3-4e3e-9e1d-2db3821dc180)

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

The screenshot displays the IBM Watson Assistant interface. On the left, a list of steps is visible, with step 10 highlighted. The main area shows the configuration for step 10, which is titled "Step 10 is taken with conditions". The conditions are defined as: "If All of this is true: 9. Other than appoi... is Helpline number". The assistant's response is shown as "999999999". The interface includes a "New step" button and a "Preview" button.

Included 3 conditions in steps:



IBM Watson Service Page x IBM Watson Assistant x background images hd - Google x +

au-syd.assistant.watson.cloud.ibm.com/crm%3Av1%3Abluemix%3Apublic%3Aconversation%3Aau-syd%3Aa%2Fe168bfa5df554498b821a36bc9e93a5d%3A47e0fd45-9fc3-4e3e-9e1d-2db3821dc18...

IBM Watson Assistant Lite Upgrade Skill bot Learning center

Hello

Conversation steps

1 What are you looking for?

Appointment... Facilities of h... + 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)

New step +

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

Preview

kiki.bg.jfif Show all

Type here to search

ENG IN 10:27 PM 11/2/2022

IBM Watson Service Page x IBM Watson Assistant x background images hd - Google x +

au-syd.assistant.watson.cloud.ibm.com/crm%3Av1%3Abluemix%3Apublic%3Aconversation%3Aau-syd%3Aa%2Fe168bfa5df554498b821a36bc9e93a5d%3A47e0fd45-9fc3-4e3e-9e1d-2db3821dc18...

IBM Watson Assistant Lite Upgrade Skill bot Learning center

Hello

Conversation steps

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 loo... is Facilities of hospital

and Add condition +

New condition group +

Assistant says

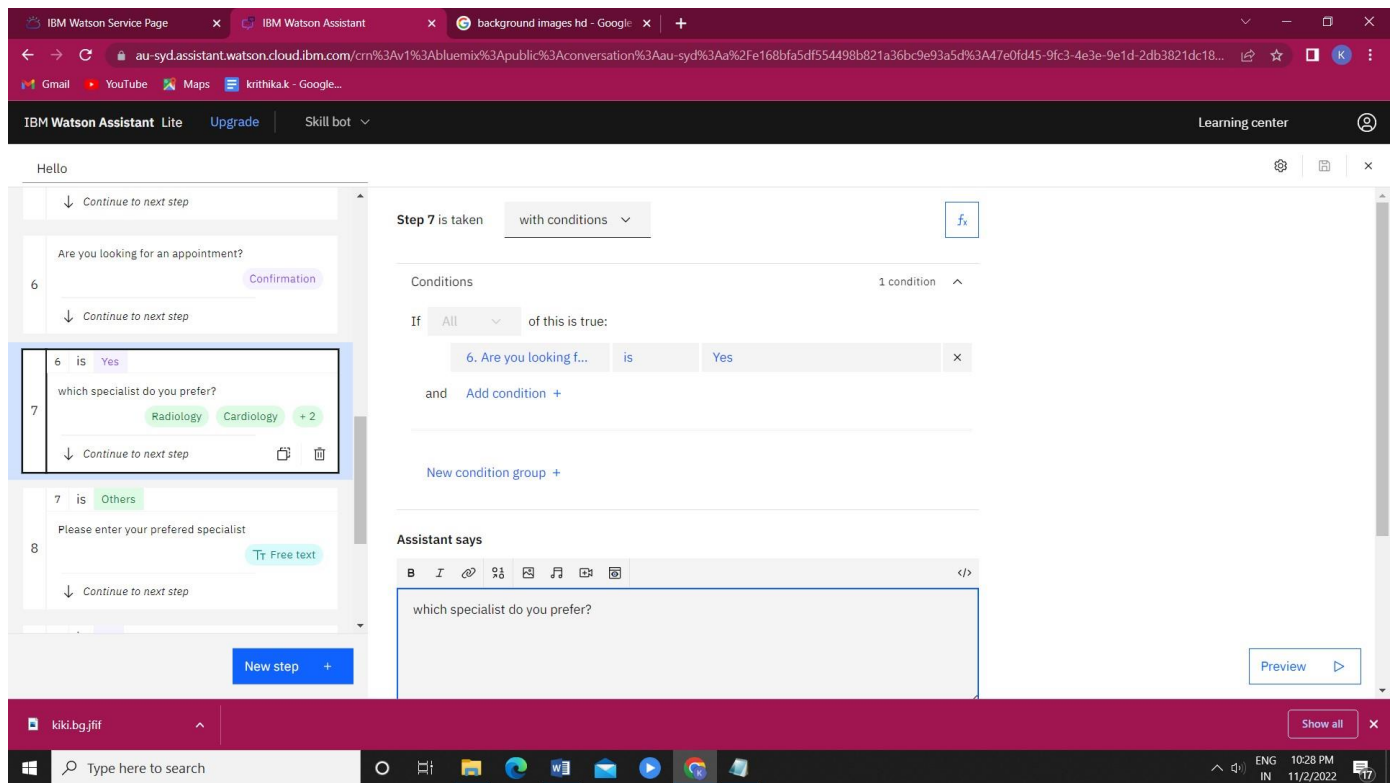
We provide you with good and healthy environment including patient clothes, beds and all other needs.

Preview

kiki.bg.jfif Show all

Type here to search

ENG IN 10:28 PM 11/2/2022



## 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: "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>
    </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
```