

## Assignment-3

<b>Date</b>	<b>29 October 2022</b>
<b>Team ID</b>	<b>PNT2022TMID29591</b>
<b>Project Name</b>	<b>Personal Expense Tracker Application</b>

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

The screenshot displays the IBM Cloud Object Storage 'Buckets' management page. A success message indicates that the bucket 'jobskillbucket' has been created. The table below shows the details of the buckets:

Name	Public access	Location	Storage class	Created
jobskill	No	jp-tok	Smart Tier	2022-10-20 3:28 PM
jobskillbucket	No	jp-tok	Smart Tier	2022-10-20 2:39 PM

### 2. Upload an 5 images to ibm object storage and make it public. write html code to displaying all the 5 images.

Cloud Object Storage - IBM Cloud

job images - Google Search

cloud.ibm.com/objectstorage/crn%3Av1%3Abluemix%3Apublic%3Acloud-object-storage%3Aglobal%3Aa%2F608ec8ba94d341f78c9cea0fc16b1...

Apps YouTube Maps Gmail Symmetric Search E... Microsoft Word - B... B\_Voc\_Hardware... New Tab

IBM Cloud

Search resources and products...

Catalog Manage Sushmitha Govindaraje...

Cloud Object Storage

Storage instances

Cloud Object Storage-zt

Buckets

Integrations

Endpoints

Usage details

Service credentials

Connections

Plan

Storage / Cloud Object Storage-zt /

jobskillbucket

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

Upload

Object name	Archived	Size	Last modified
image1.jpg		8.4 KB	2022-10-20 2:42 AM
image2.jpg		5.0 KB	2022-10-20 2:43 AM
image3.jpg		9.5 KB	2022-10-20 2:43 AM
image4.jpg		9.3 KB	2022-10-20 2:43 AM

02:44 20/10/2022

Cloud Object Storage - IBM Cloud

job images - Google Search

Sent Mail - arunapalanivel15602

cloud.ibm.com/objectstorage/crn%3Av1%3Abluemix%3Apublic%3Acloud-object-storage%3Aglobal%3Aa%2F608ec8ba94d341f78c9cea0fc16b1...

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Cloud Object Storage

Storage instances

Cloud Object Storage-zt

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Plan

Select a user:

Sushmitha Govindaraje (sushm) Add users

Role for this bucket:

Access policy update

User policy created

A new access policy for this bucket was created for the user: Sushmitha Govindaraje (sushmi27cse@gmail.com)

To delete/edit go to the [IAM console](#).

Public access

Context-based restrictions

Create rules to restrict access to your bucket based on resource attributes and contexts. Contexts can be a

Assignment 3 .pdf

Show all

32°C Cloudy

03:26 20/10/2022

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

The screenshot displays the IBM Cloud Object Storage interface. The left sidebar shows the navigation menu with 'Buckets' selected. The main area shows the 'jobskill' bucket with a table of objects. One object, 'assignment.css', is listed with a size of 1.6 KB and a last modified date of 2022-10-20 3:27 AM. A notification in the top right corner confirms that the bucket 'jobskillbucket' has been created successfully. The bottom of the screen shows a Windows taskbar with various application icons and a system tray indicating the date and time as 03:28 on 20/10/2022.

Cloud Object Storage - IBM Cloud

Search resources and products...

Storage / Cloud Object Storage-zt /

jobskill

Transfers

Objects Configuration Permissions

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

jobskill /

Prefix filter

Object name Archived Size Last modified

assignment.css 1.6 KB 2022-10-20 3:27 AM

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

Assignment 3 .pdf

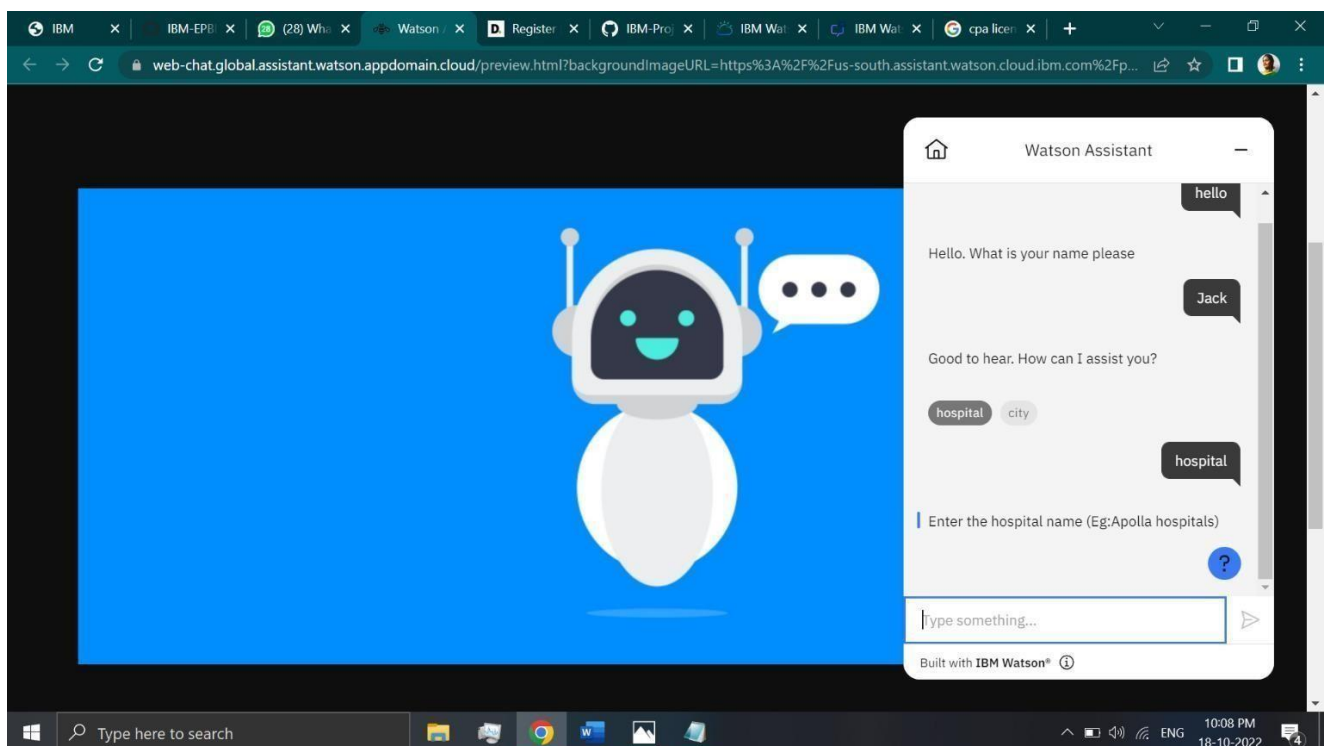
Show all

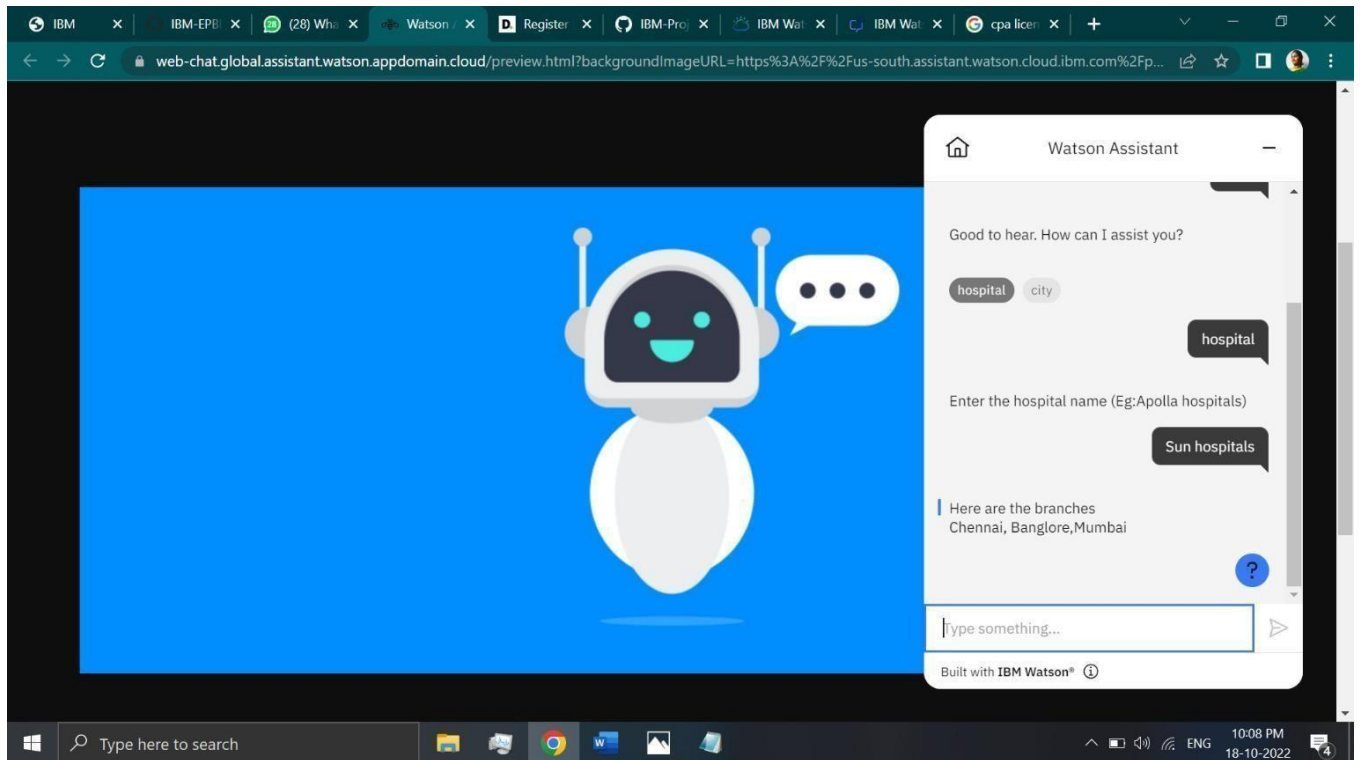
32°C Cloudy

03:28 20/10/2022

```
index.html - 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: "14b83b8f-3dfd-405f-9520-b550092892aa", // The ID of this integration.
  region: "us-south", // The region your integration is hosted in.
  serviceInstanceID: "6e95bee9-8d0b-49f6-8a2f-4125fb3a7945", // 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">
```

#### 4. Design a chatbot using IBM Watson assistant for hospital.

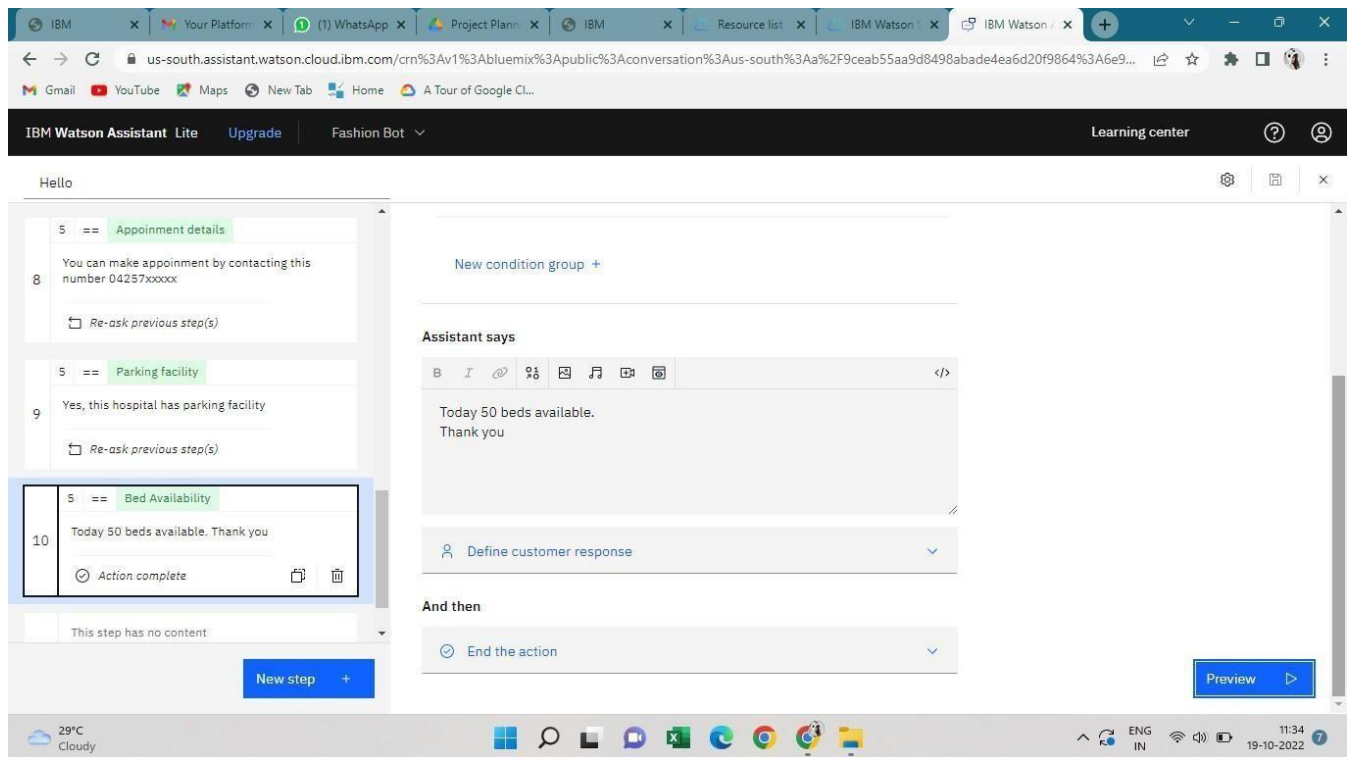




### Web URL for Assistant:

<https://webchat.global.assistant.watson.appdomain.cloud/preview.html?backgroundImageUrl=https%3A%2F%2Fus-south.assistant.watson.cloud.ibm.com%2Fpublic%2Fimages%2Fupx-304fa071-91cc-44bc-bfd7-98e7f124ef92%3A%3A0a1b8f67-b7d3-452a-b1bd-b9c995a4a9bb&integrationID=955f7fec-2d74-4165-bb9a-3befbfd74cd9&region=us-south&serviceInstanceID=304fa071-91cc-44bc-bfd7-98e7f124ef92>

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



*Figure 1. 10 steps of conversation*

**Included 3 conditions in steps:**



IBM Watson Assistant Lite Upgrade Fashion Bot Learning center

Hello

1. Continue to next step

2. Good to hear. How can I assist you? hospital city

2 == hospital , city

3. Enter the hospital name (Eg: Apollo hospitals) Ty Free text

4. Here are the branches Chennai, Bangalore, Mumbai

Step 3 is taken with conditions

Conditions 2 conditions

If Any of this is true:

2. Good to he... is hospital

or 2. Good to he... is city

or Add condition +

Assistant says

Enter the hospital name (Eg: Apollo hospitals)

Preview

29°C Cloudy 10:53 19-10-2022

IBM Watson Assistant Lite Upgrade Fashion Bot Learning center

Hello

4. Here are the branches Chennai, Bangalore, Mumbai. You can click below to know more Distance Features of h... +2

4 == Distance

5. Hospital is 30km away from your location

4 == Features of hospital

6. Yes, The hospital you provided is a Multispecialty Hospital

Step 5 is taken with conditions

Conditions 1 condition

If All of this is true:

4. Here are th... is Distance

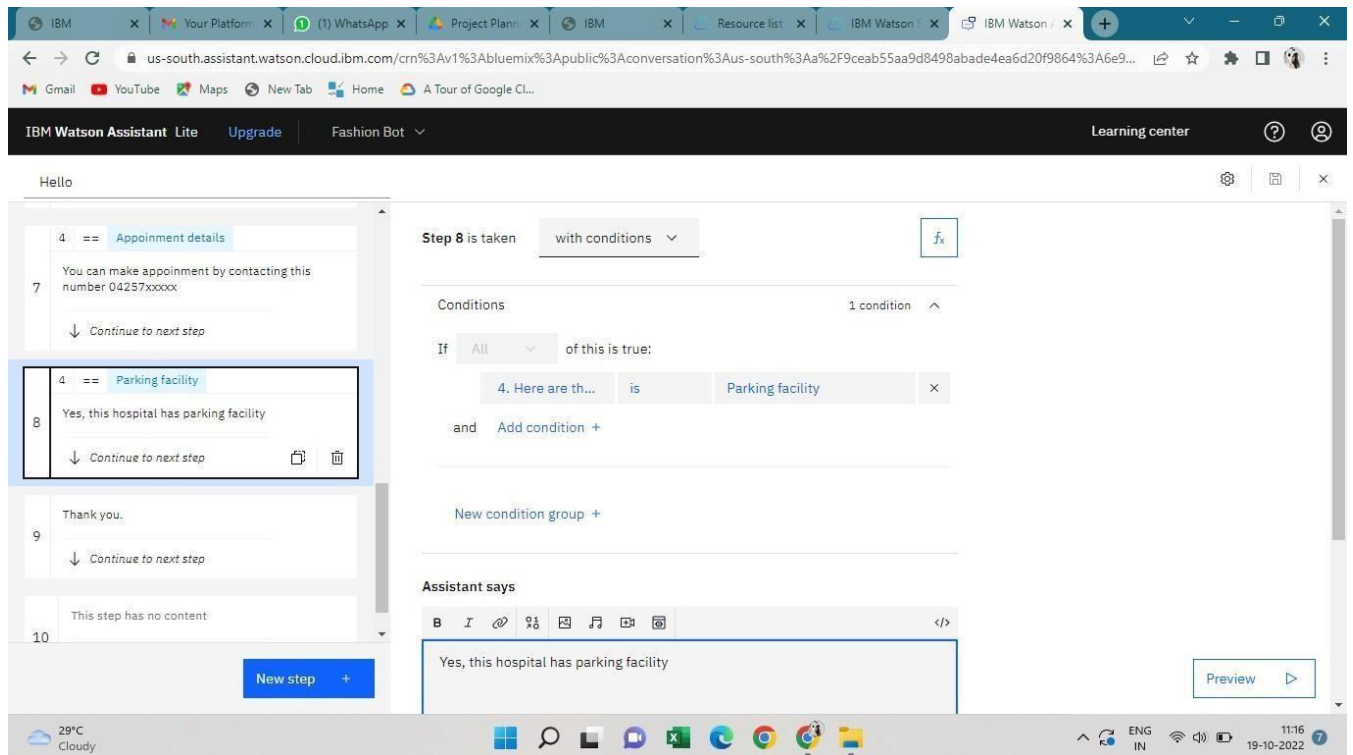
and Add condition +

Assistant says

Hospital is 30km away from your location

Preview

29°C Cloudy 11:15 19-10-2022



## 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-objectstorage.appdomain.cloud/cloudbucket/assign3.css') } }" type="text/css">
```

```
<script>
```

```
    window.watsonAssistantChatOptions = {    integrationID: "14b83b8f-3dfd-405f-9520-
b550092892aa", // The ID of this integration.    region: "us-south", // The region your
```



integration is hosted in.    serviceInstanceID: "6e95bee9-8d0b-49f6-8a2f-4125fb3a7945", // 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__)

@a
pp.
rou
te('
```

```

/)
def
ind
ex()
:
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
```