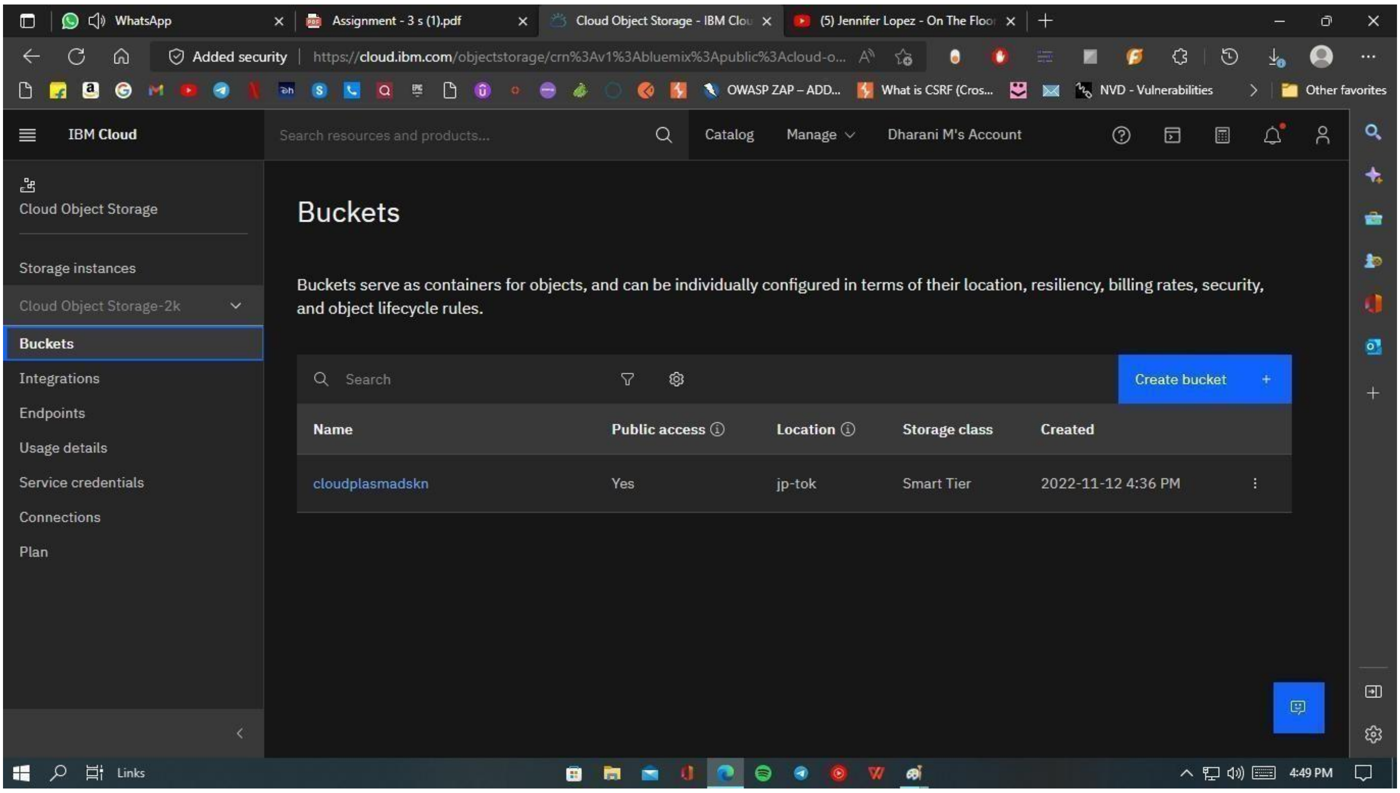
Assignment-3

Name Register number Date	Nivetha N 613019205034 10 October 2022
Team ID	PNT2022TMID30734
Project Name	Plasma Donor Application

1. CREATE A BUCKET IN IBM OBJECT STORAGE.

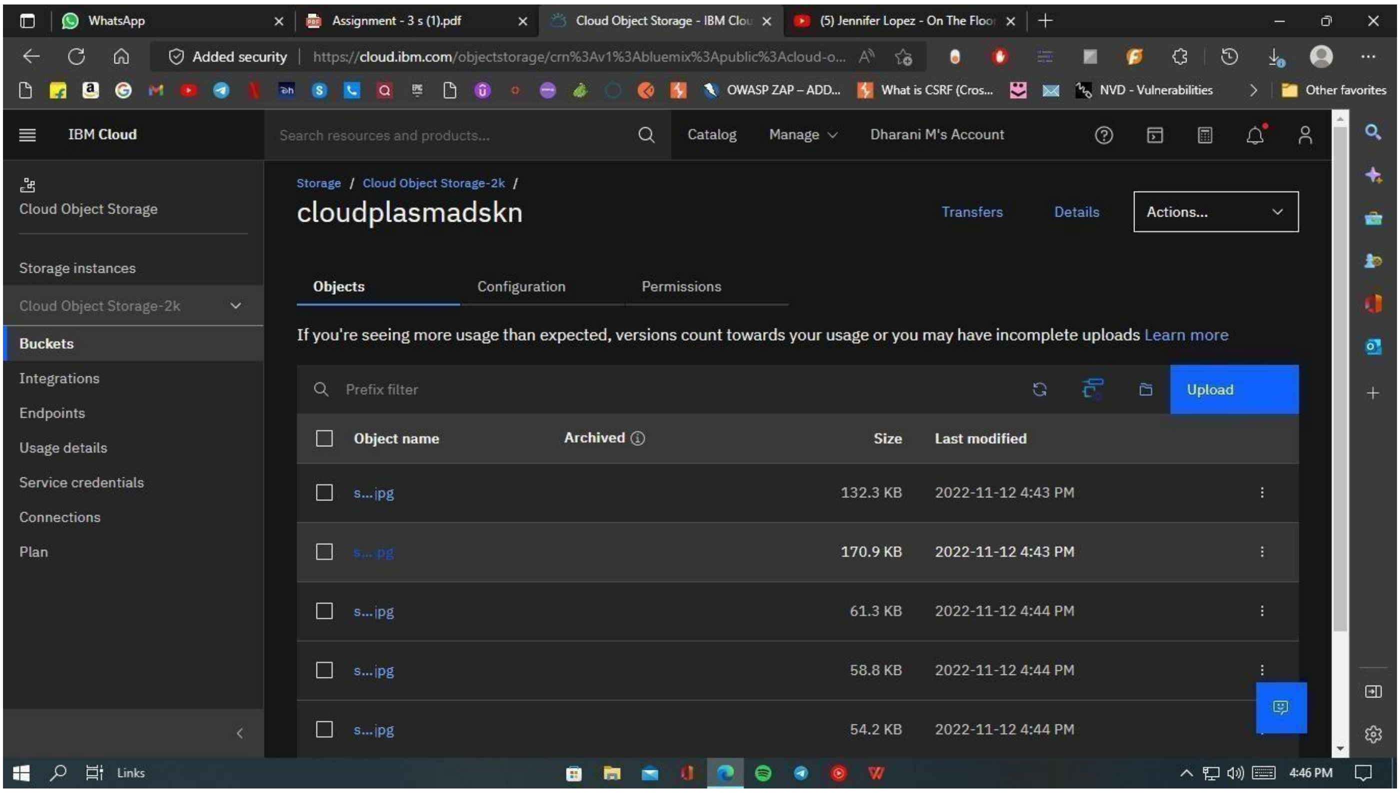


Buckets

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
cloudplasmadskn	Yes	jp-tok	Smart Tier	2022-11-12 4:36 PM

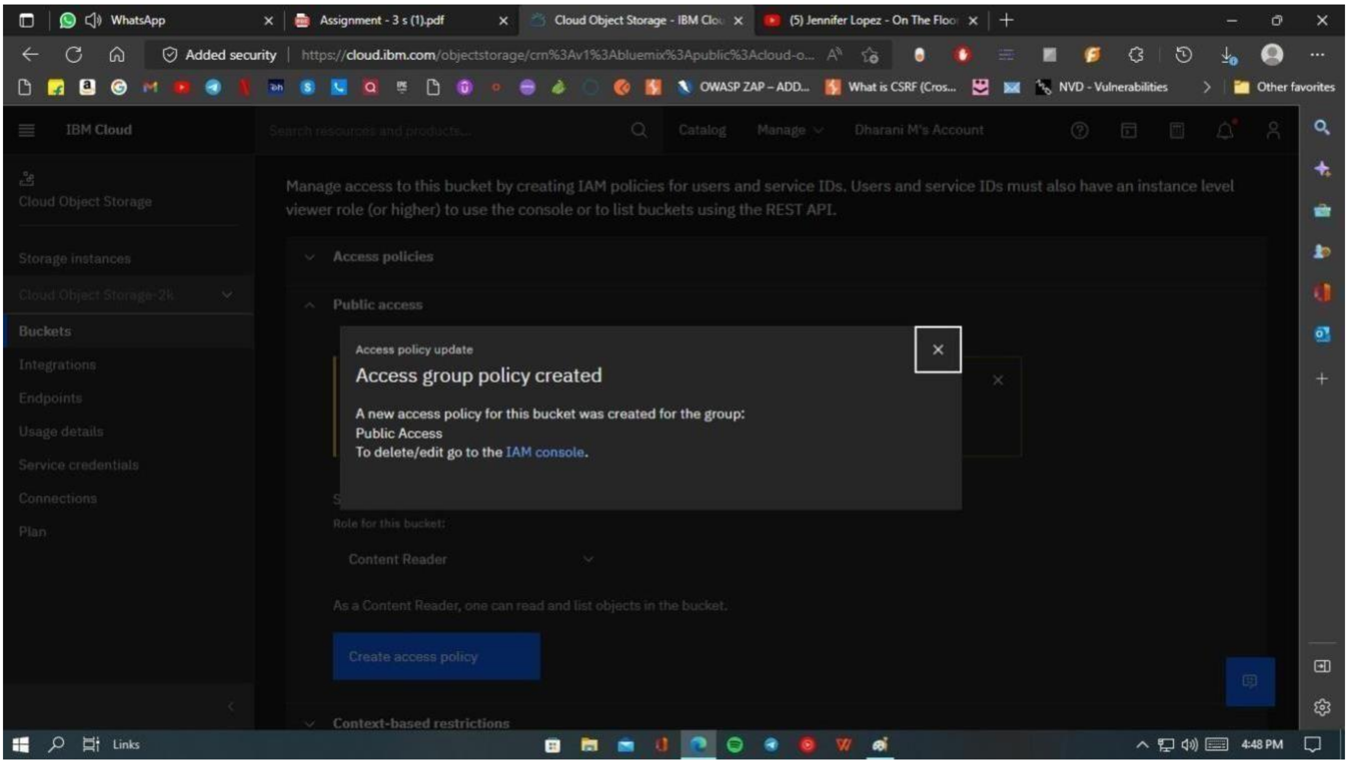
Upload an 5 images to ibm object storage and make it public. Write html code todisplaying all the 5 images.



cloudplasmadskn

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
□	s....jpg		132.3 KB	2022-11-12 4:43 PM
□	s....pg		170.9 KB	2022-11-12 4:43 PM
□	s....jpg		61.3 KB	2022-11-12 4:44 PM
□	s....jpg		58.8 KB	2022-11-12 4:44 PM
□	s....jpg		54.2 KB	2022-11-12 4:44 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

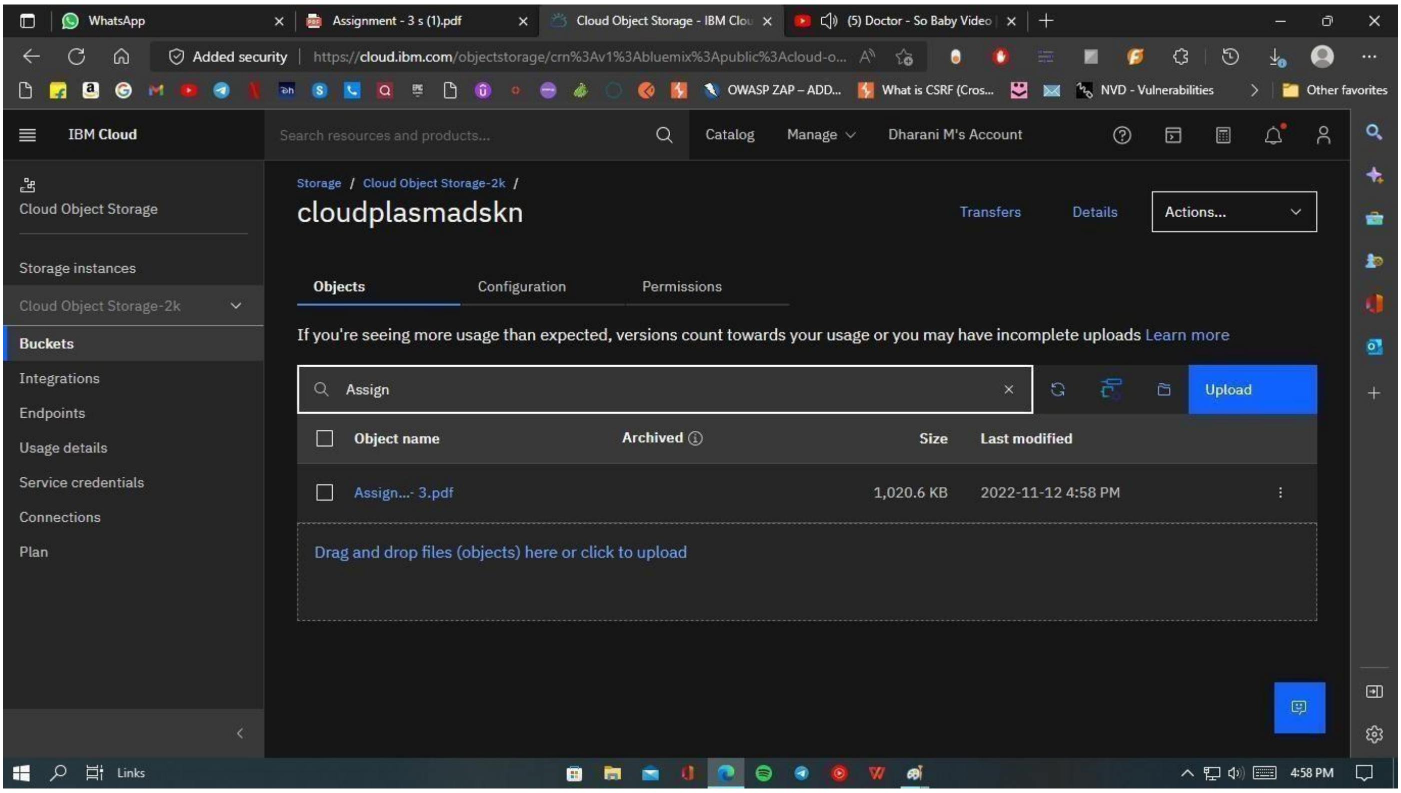
Access group policy created

A new access policy for this bucket was created for the group:
Public Access
To delete/edit go to the IAM console.

Role for this bucket:
Content Reader

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.



Storage / Cloud Object Storage-2k /

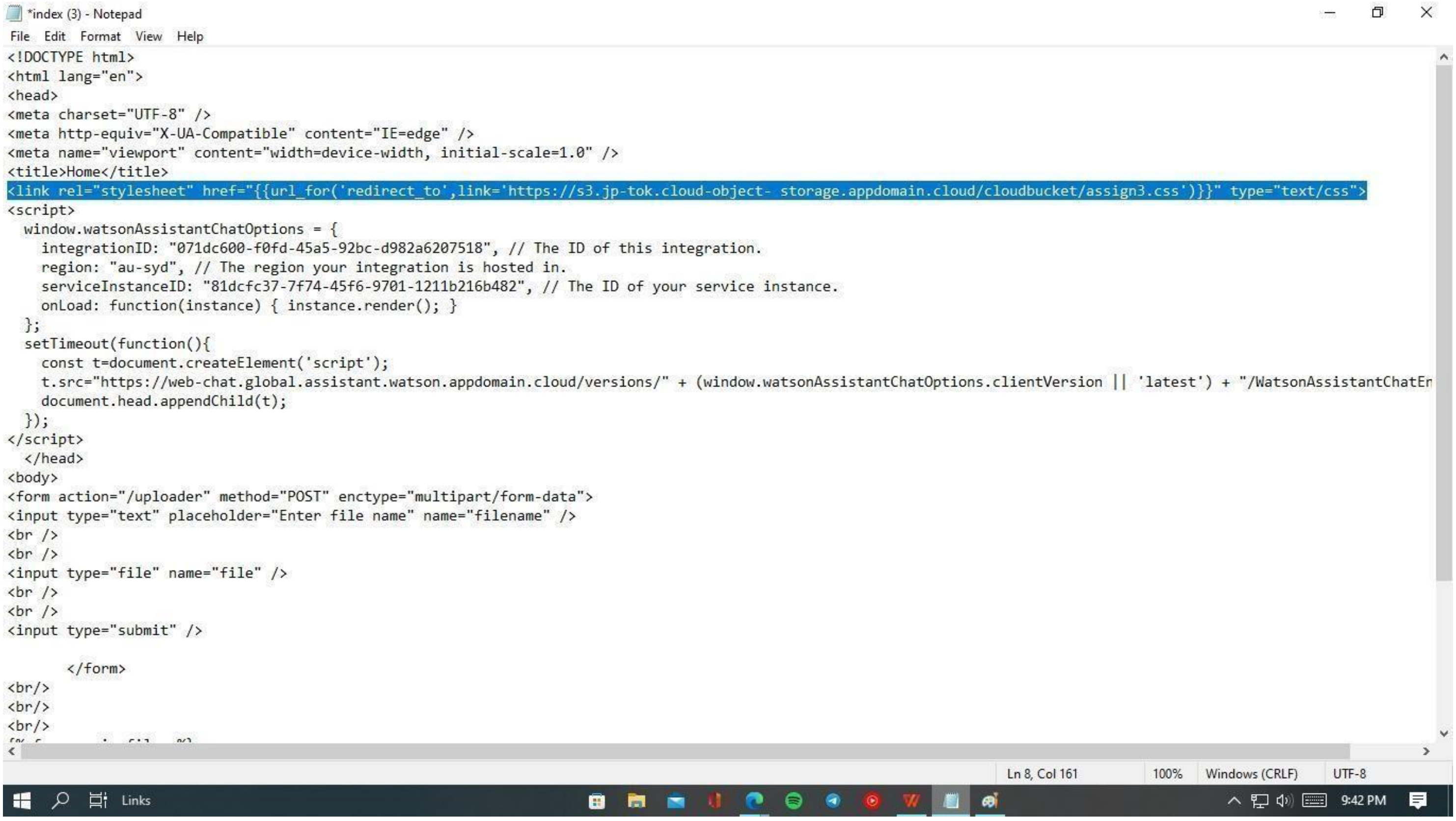
cloudplasmadskn

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

Assign

□	Object name	Archived ⓘ	Size	Last modified
□	Assign...- 3.pdf		1,020.6 KB	2022-11-12 4:58 PM

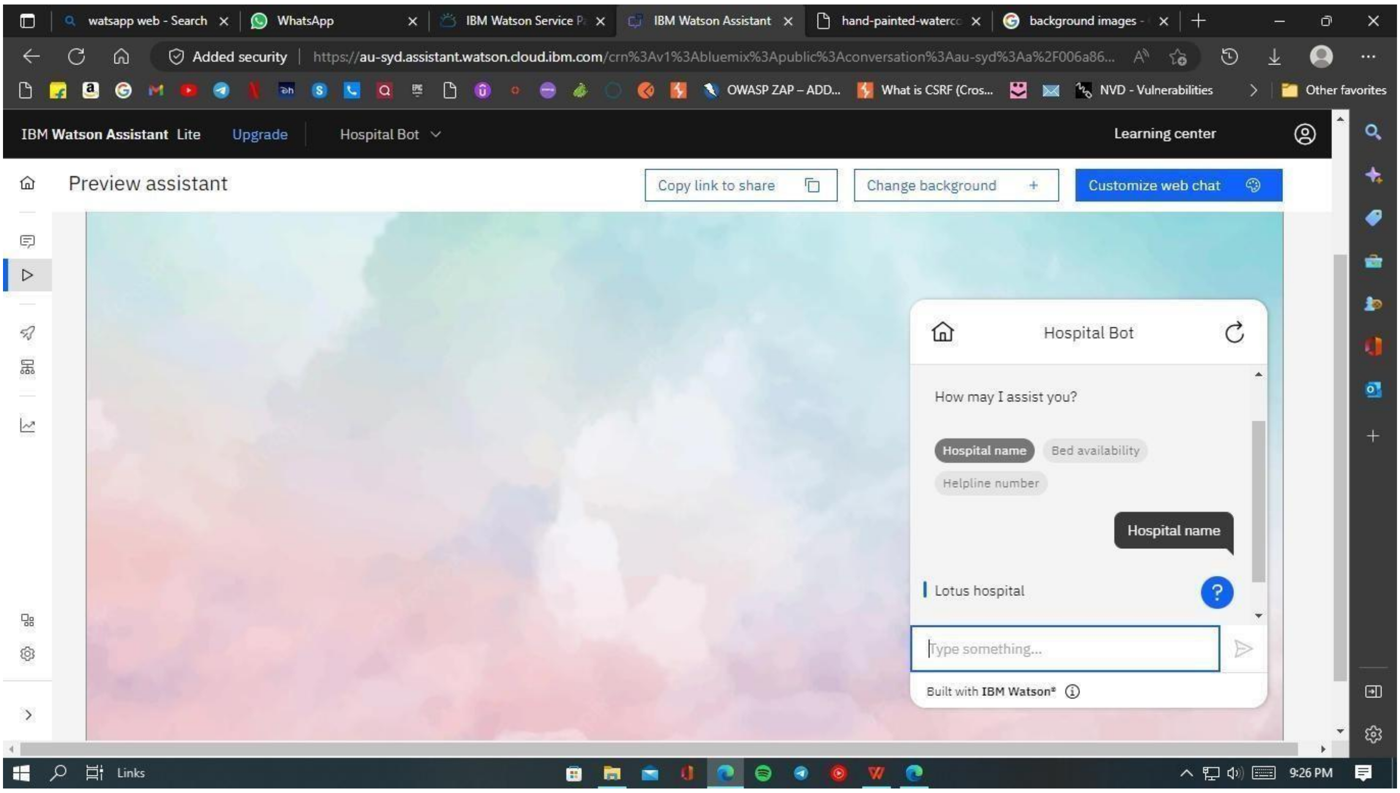
Drag and drop files (objects) here or click to upload



```
<!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: "071dc600-f0fd-45a5-92bc-d982a6207518", // The ID of this integration.
    region: "au-syd", // The region your integration is hosted in.
    serviceInstanceID: "81dcfc37-7f74-45f6-9701-1211b216b482", // 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') + "/WatsonAssistantChatEn
    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/>
```

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



Hospital Bot

How may I assist you?

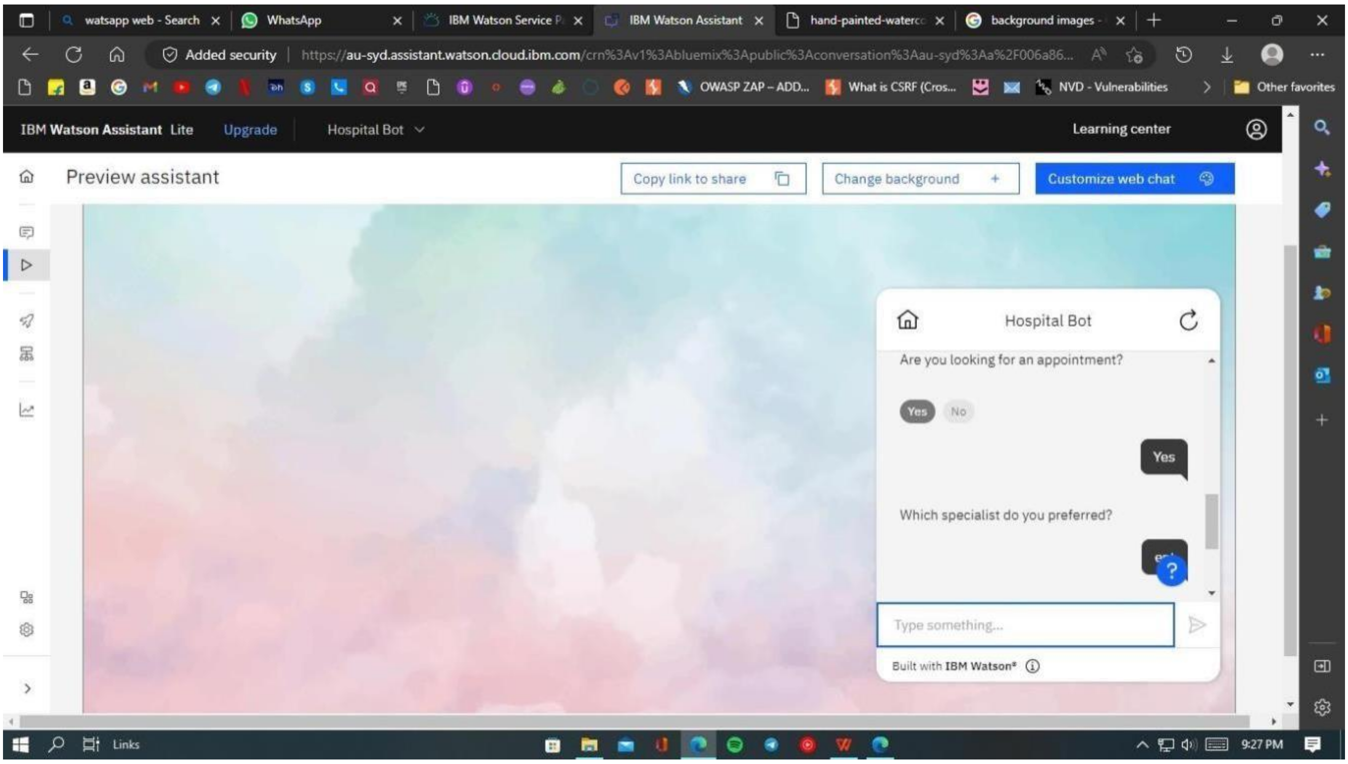
Hospital name | Bed availability | Helpline number

Hospital name

Lotus hospital

Type something...

Built with IBM Watson®



Hospital Bot

Are you looking for an appointment?

Yes | No

Yes

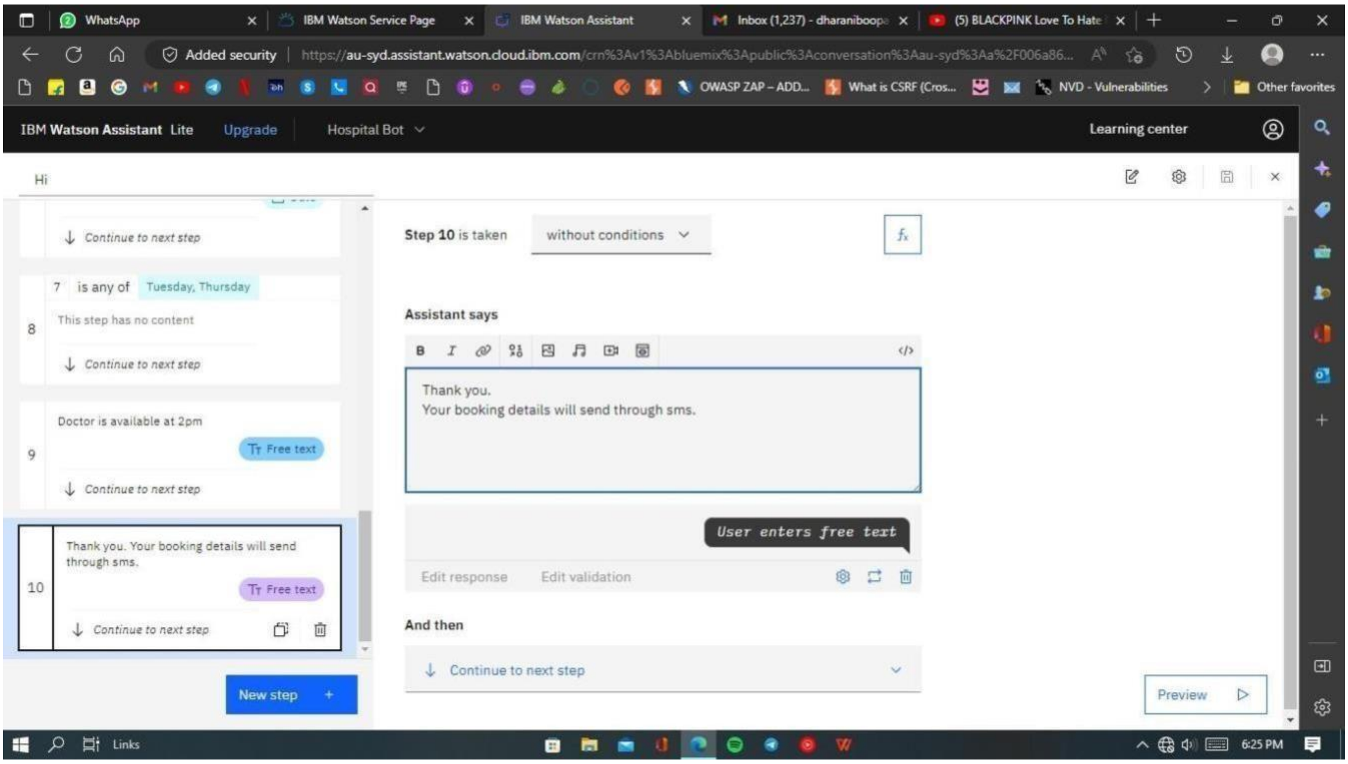
Which specialist do you preferred?

Type something...

Built with IBM Watson®

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-81dcfc37-7f74-45f6-9701-1211b216b482%3A%3Ace4636a6-a721- 40ff-8fb8-9ade0c423e32&integrationID=071dc600-f0fd-45a5-92bc-d982a6207518&region=au-syd&serviceInstanceID=81dcfc37-7f74-45f6-9701-1211b216b482

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



7 is any of Tuesday, Thursday

8 This step has no content

↓ Continue to next step

9 Doctor is available at 2pm

Tт Free text

↓ Continue to next step

10 Thank you. Your booking details will send through sms.

Tт Free text

↓ Continue to next step

Step 10 is taken without conditions

Assistant says

Thank you.
Your booking details will send through sms.

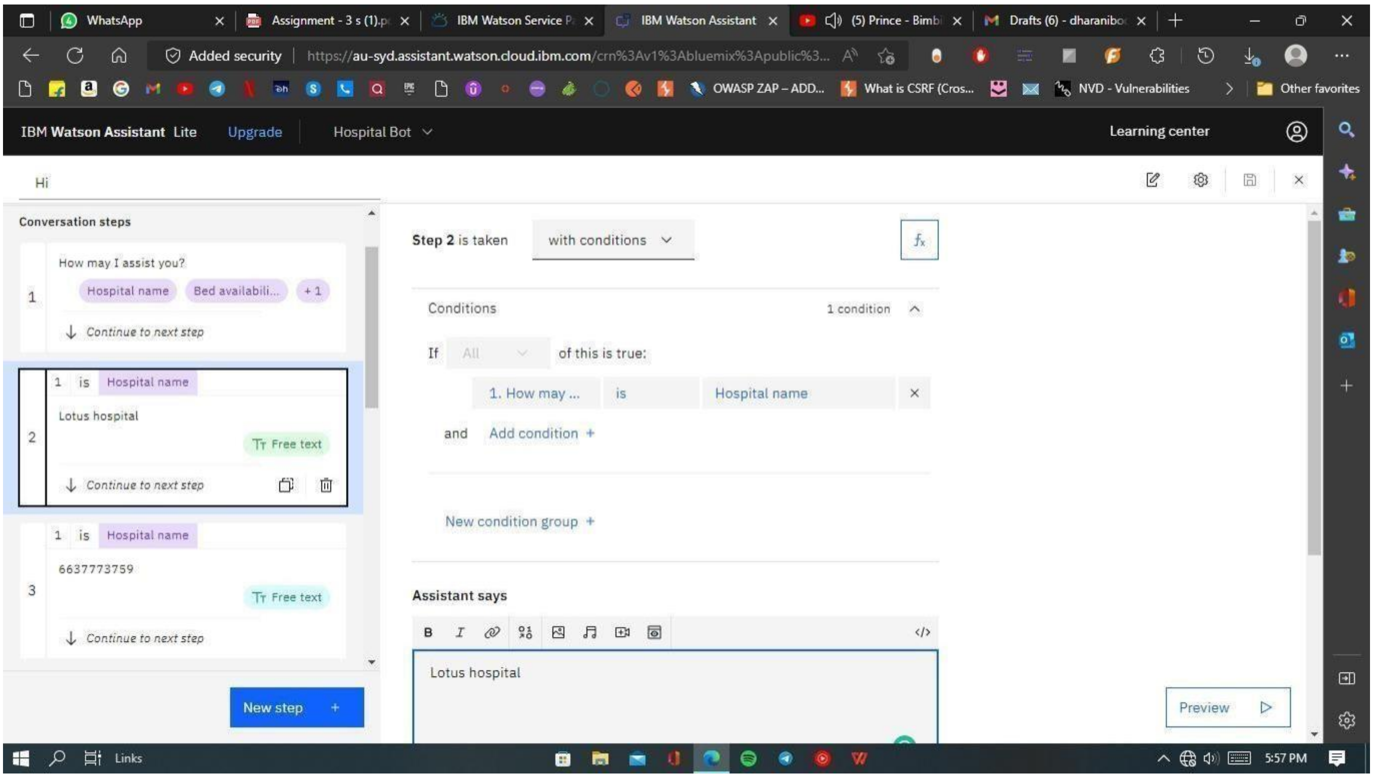
User enters free text

Edit response Edit validation

And then

↓ Continue to next step

Included 3 conditions in steps:



Conversation steps

1 How may I assist you?

Hospital name Bed availabili... +1

↓ Continue to next step

2 1 is Hospital name

Lotus hospital

Tт Free text

↓ Continue to next step

3 1 is Hospital name

6637773759

Tт Free text

↓ Continue to next step

Step 2 is taken with conditions

Conditions 1 condition

If All of this is true:

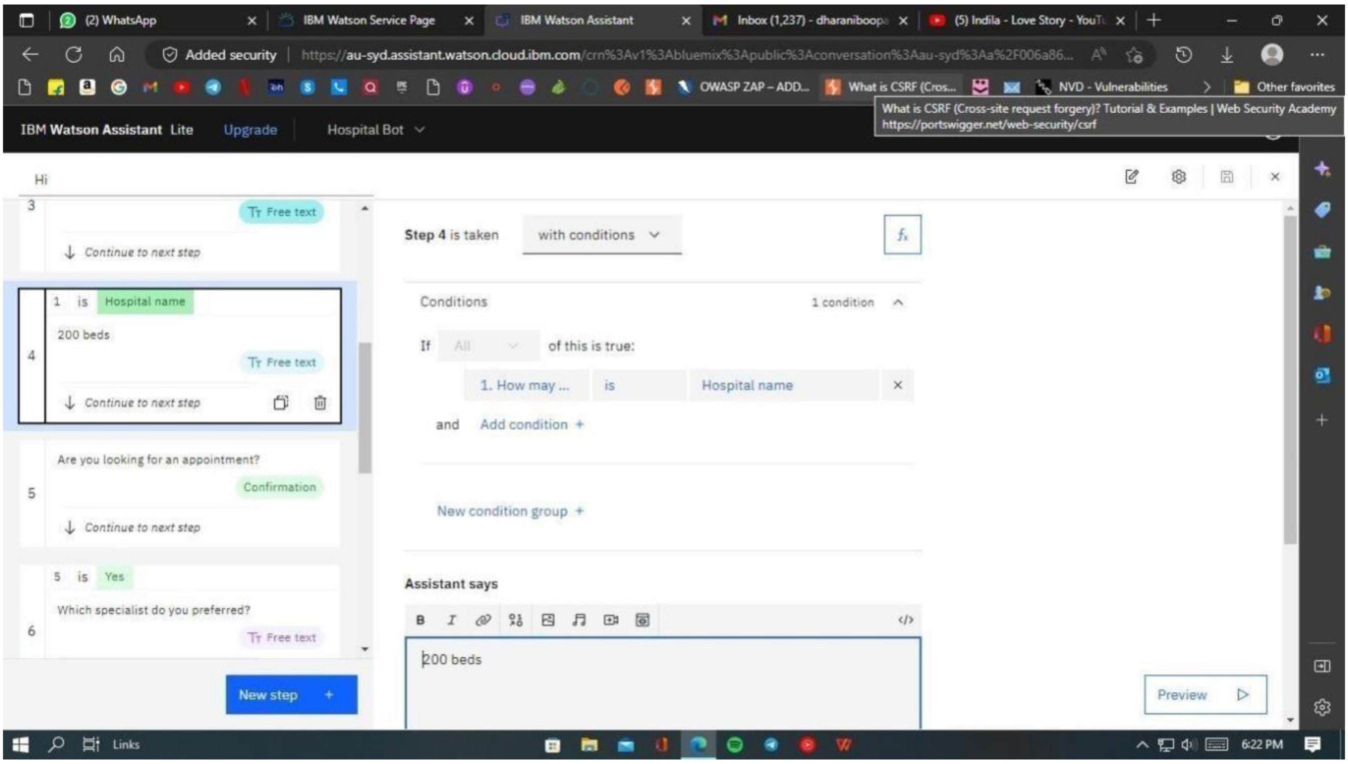
1. How may ... is Hospital name

and Add condition +

New condition group +

Assistant says

Lotus hospital



3 Tr Free text
Continue to next step

4
1 is Hospital name
200 beds
Tr Free text
Continue to next step

5
Are you looking for an appointment?
Confirmation
Continue to next step

6
5 is Yes
Which specialist do you preferred?
Tr Free text

Step 4 is taken with conditions

Conditions 1 condition

If All of this is true:

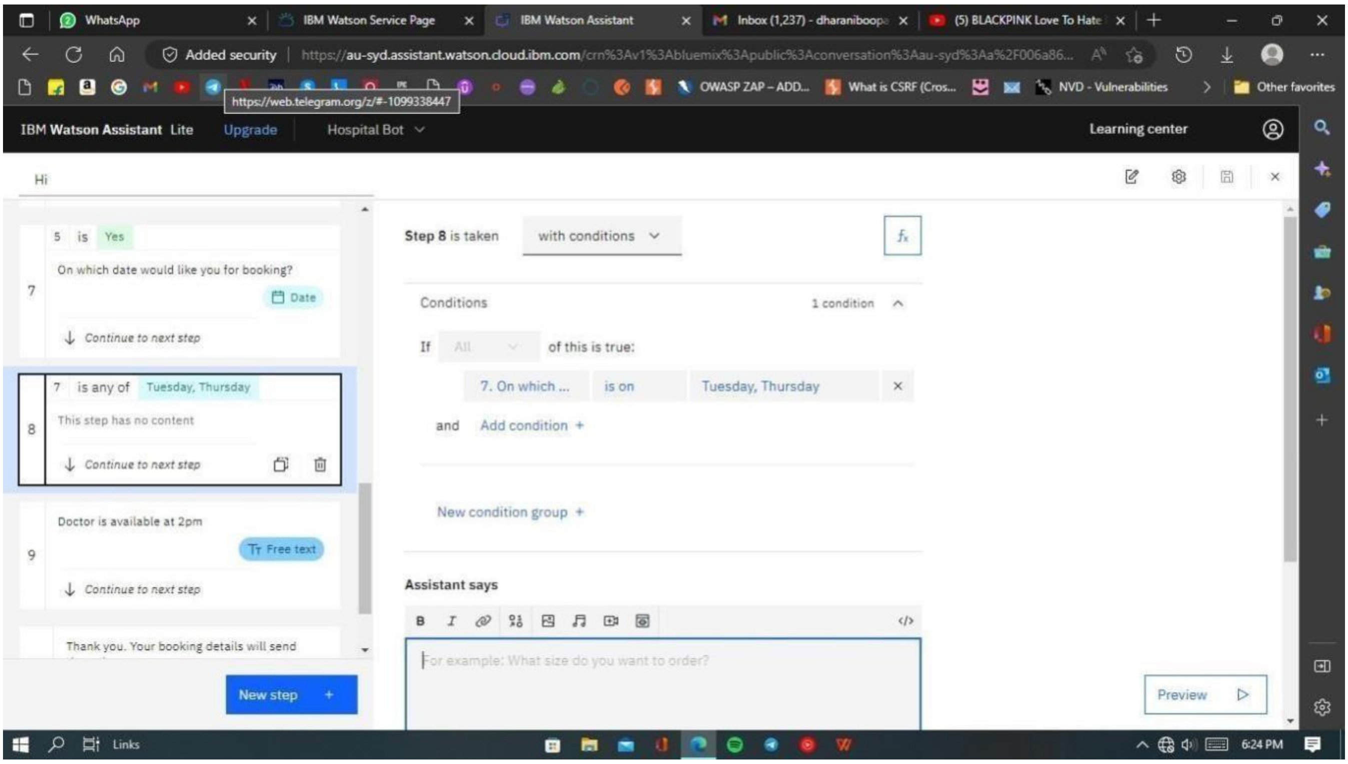
1. How may ... is Hospital name

and Add condition +

New condition group +

Assistant says

200 beds



7
5 is Yes
On which date would like you for booking?
Date
Continue to next step

8
7 is any of Tuesday, Thursday
This step has no content
Continue to next step

9
Doctor is available at 2pm
Tr Free text
Continue to next step

Thank you. Your booking details will send

Step 8 is taken with conditions

Conditions 1 condition

If All of this is true:

7. On which ... is on Tuesday, Thursday

and Add condition +

New condition group +

Assistant says

For example: What size do you want to order?

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: "071dc600-f0fd-
45a5-92bc-d982a6207518", // The ID of this  integration.     region: "au-syd",
// The region your integration is hosted in.

      serviceInstanceID: "81dcfc37-7f74-45f6-9701-1211b216b482", // 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
```