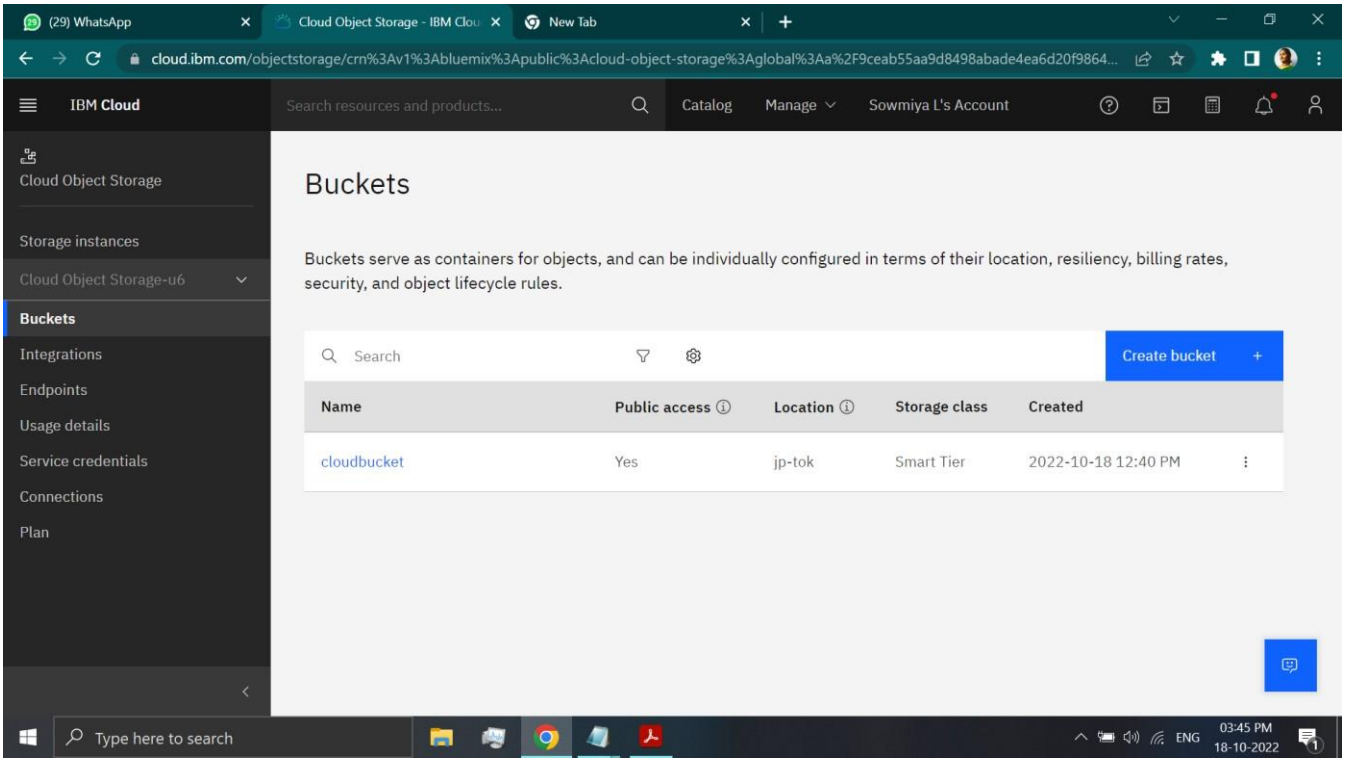
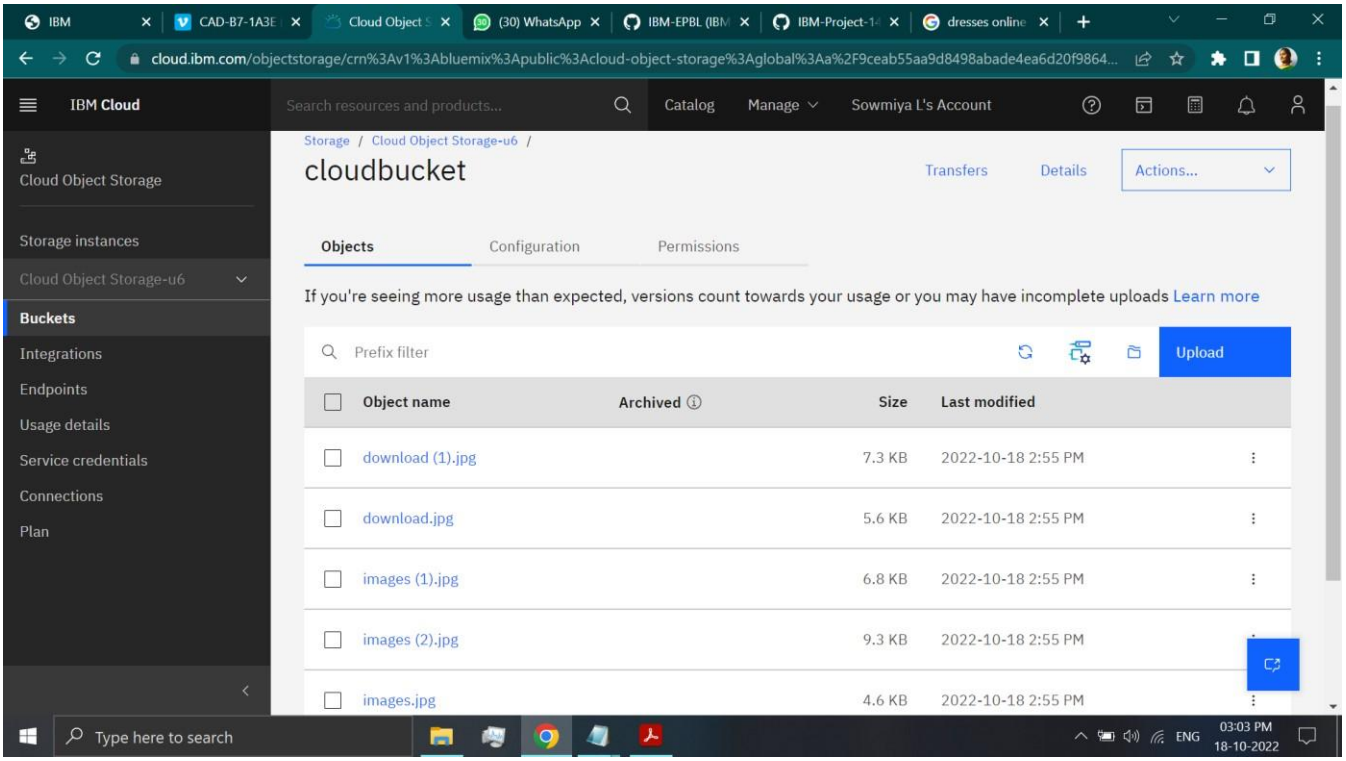
Assignment-3

Date	10 October 2022
Team ID	PNT2022TMID30600
Project Name	Skill and Job Recommender Application

1. CREATE A BUCKET IN IBM OBJECT STORAGE.



2. Upload an 5 images to ibm object storage and make it public. write html code to displaying all the 5 images.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dresses online
cloud.ibm.com/objectstorage/crn%3Av1%3Abluemix%3Apublic%3Acloud-object-storage%3Aglobal%3Aa%2F9ceab55aa9d8498abade4ea6d20f9864...
IBM Cloud
Search resources and products...
Catalog
Manage
Sowmiya L's Account
Cloud Object Storage
Storage instances
Cloud Object Storage-u6
Buckets
Integrations
Endpoints
Usage details
Service credentials
Connections
Plan
Storage / Cloud Object Storage-u6 /
cloudbucket
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
download (1).jpg 7.3 KB 2022-10-18 2:55 PM
download.jpg 5.6 KB 2022-10-18 2:55 PM
images (1).jpg 6.8 KB 2022-10-18 2:55 PM
images (2).jpg 9.3 KB 2022-10-18 2:55 PM
images.jpg 4.6 KB 2022-10-18 2:55 PM
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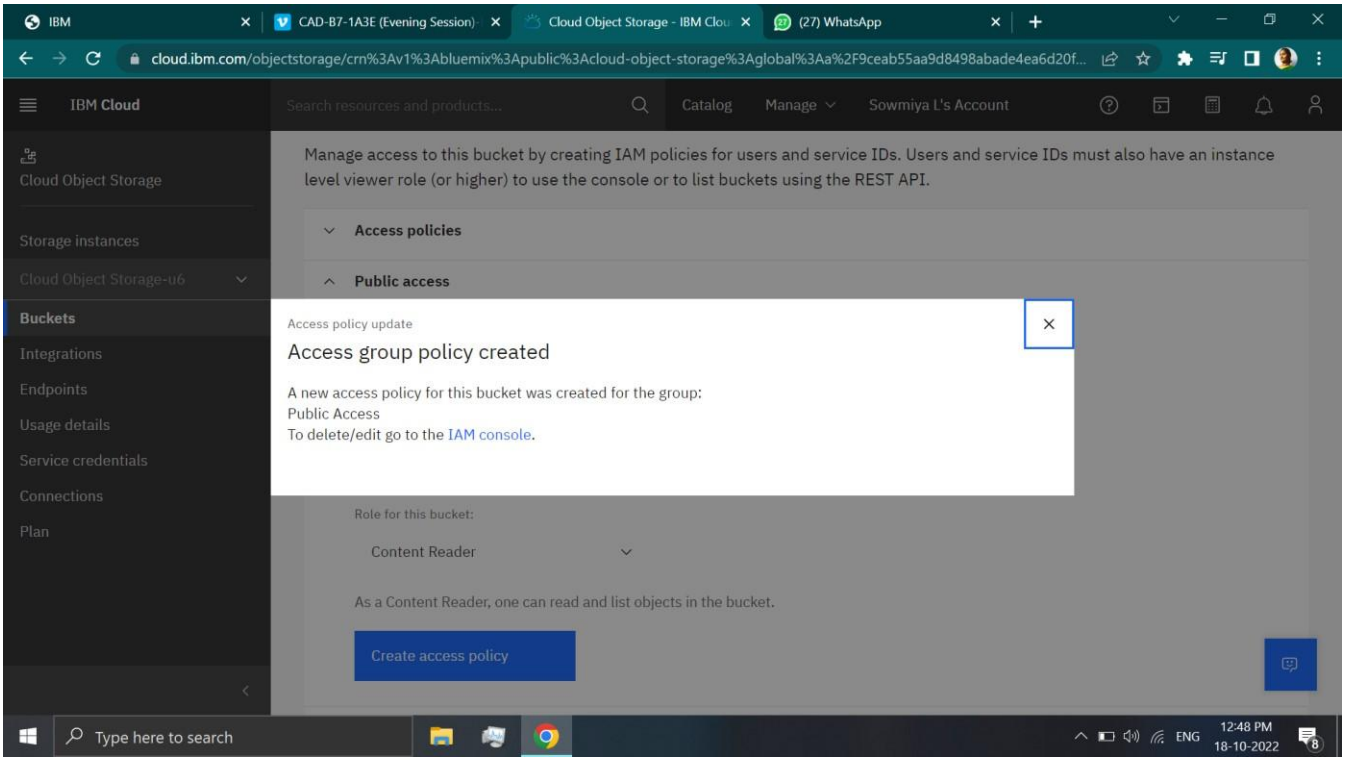
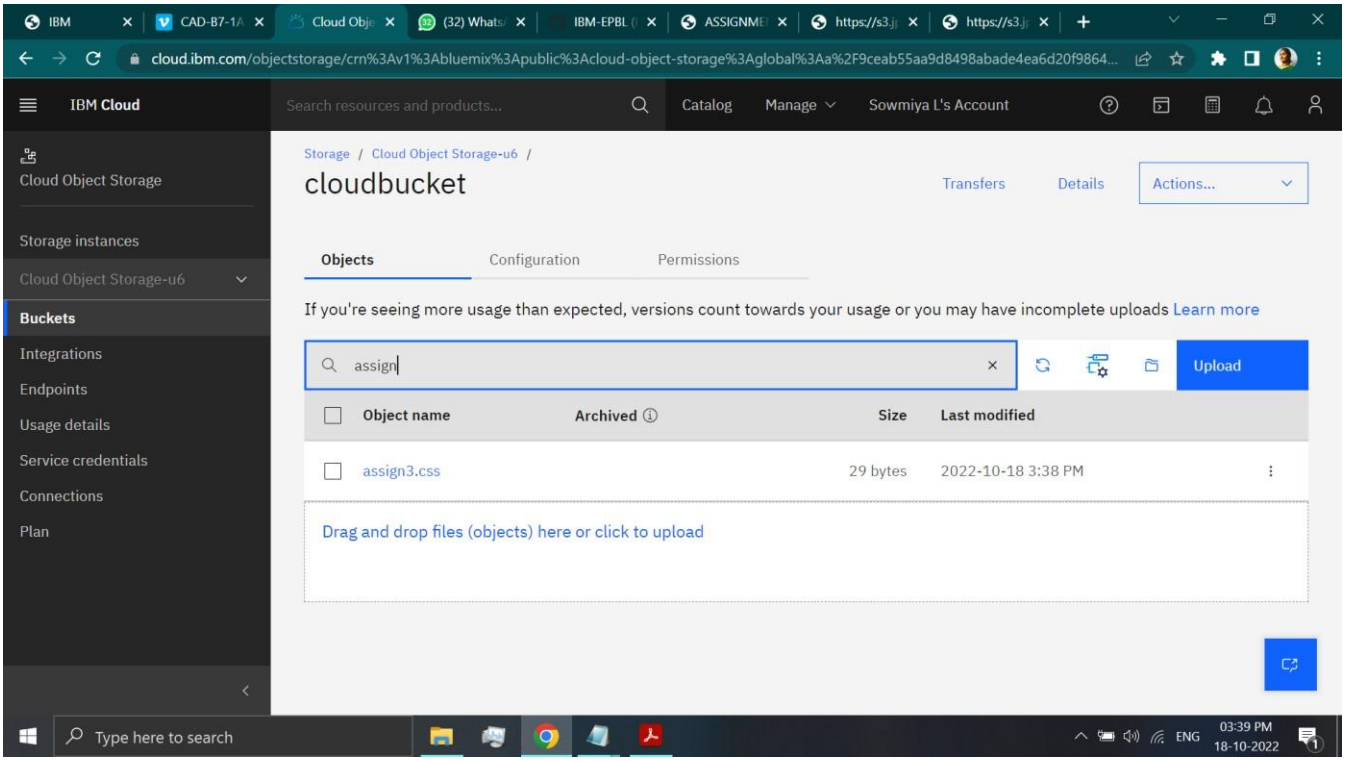


3. Upload a css page to the object storage and use the same page in your HTML code.


IBM
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Cloud Obje
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ASSIGNME
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https://s3.j
cloud.ibm.com/objectstorage/crn%3Av1%3Abluemix%3Apublic%3Acloud-object-storage%3Aglobal%3Aa%2F9ceab55aa9d8498abade4ea6d20f9864...
IBM Cloud
Search resources and products...
Catalog
Manage
Sowmiya L's Account
Cloud Object Storage
Storage instances
Cloud Object Storage-u6
Buckets
Integrations
Endpoints
Usage details
Service credentials
Connections
Plan
Storage / Cloud Object Storage-u6 /
cloudbucket
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
assign
Upload
Object name
Archived
Size
Last modified
assign3.css
29 bytes
2022-10-18 3:38 PM
Drag and drop files (objects) here or click to upload
Type here to search
ENG
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18-10-2022

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">
```

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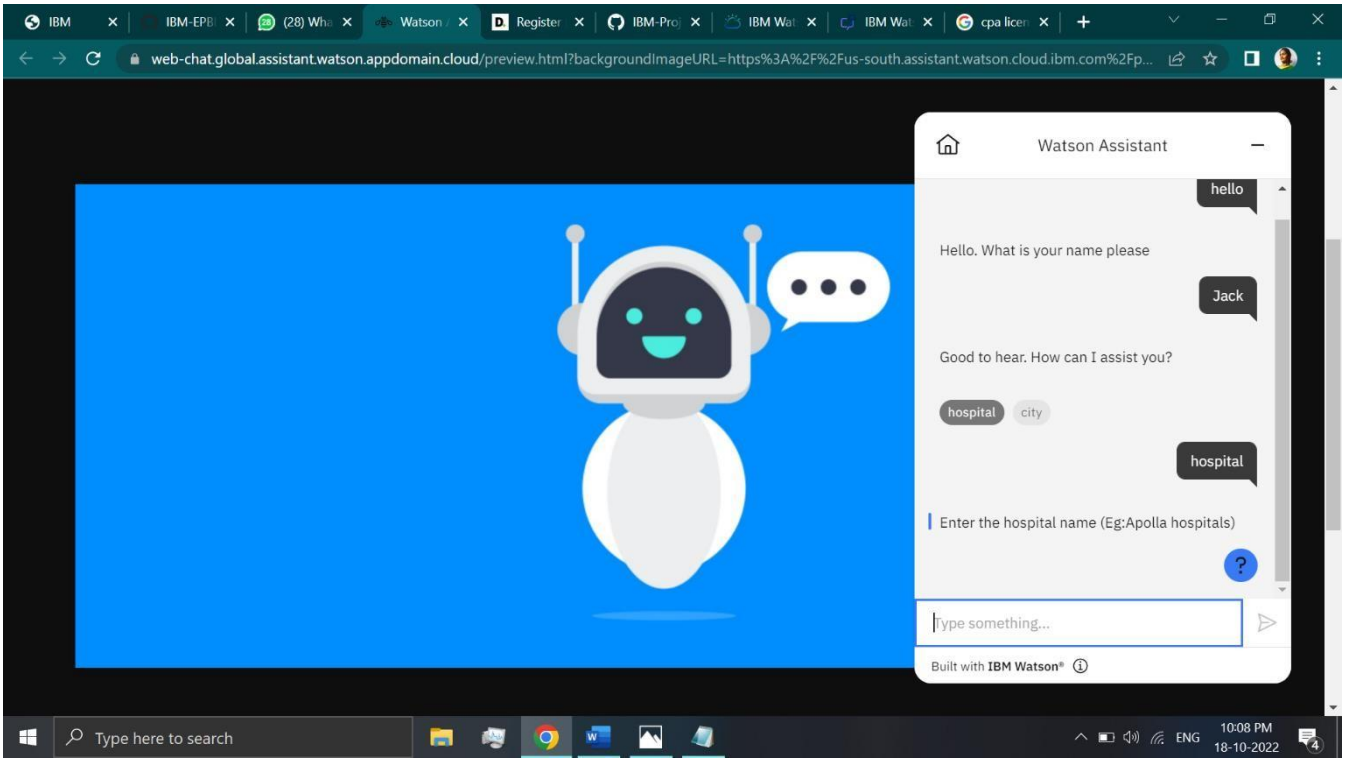
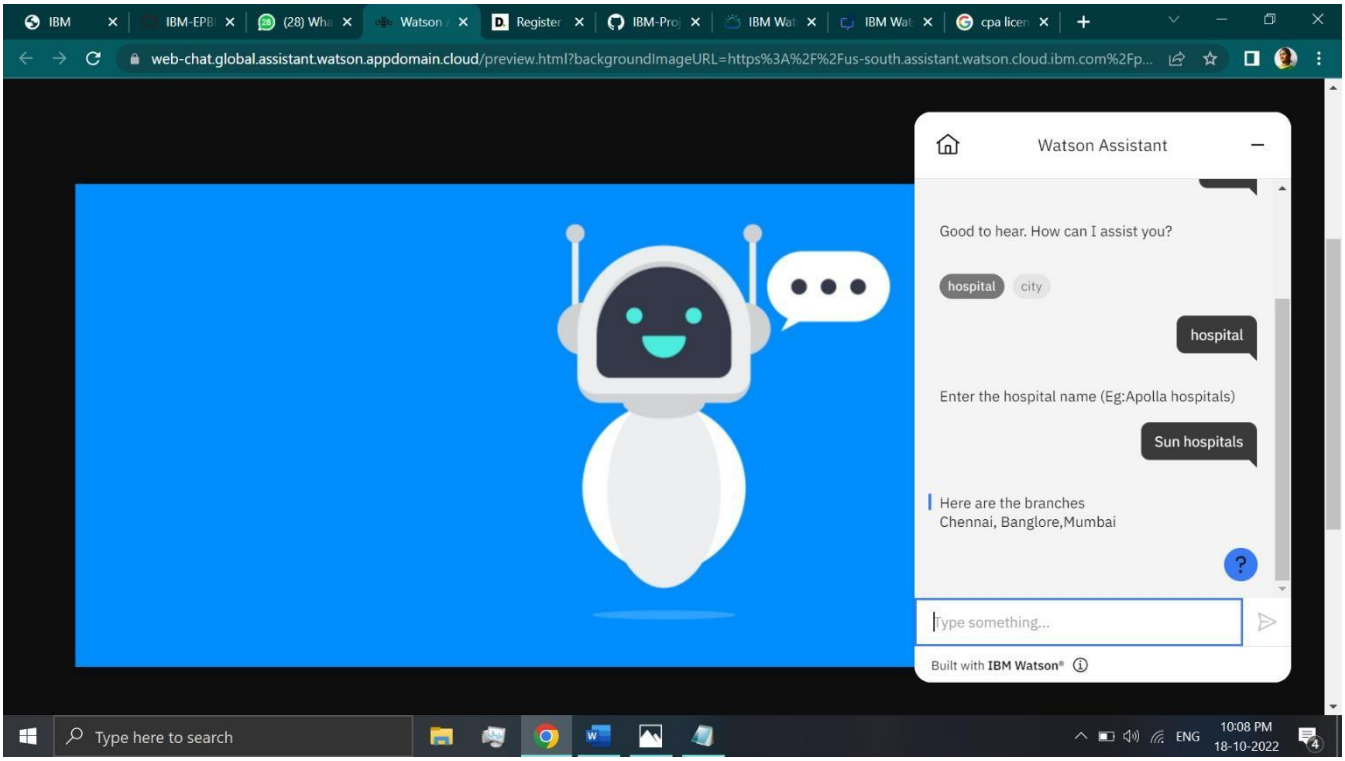
4. Design a chatbot using IBM Watson assistant for hospital.





Web URL for Assistant:
https://web-chat.global.assistant.watson.appdomain.cloud/preview.html?backgroundImageURL=https%3A%2F%2Fussouth.assistant.watson.cloud.ibm.com%2Fpublic%2Fimages%2Fupx-6e95bee9-8d0b-49f6-8a2f-4125fb3a7945%3A%3Ab437fcda-6135-46e5-9e62-faa901cdce2d&integrationID=14b83b8f-3dfd-405f-9520b550092892aa&region=us-south&serviceInstanceID=6e95bee9-8d0b-49f6-8a2f-4125fb3a7945

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

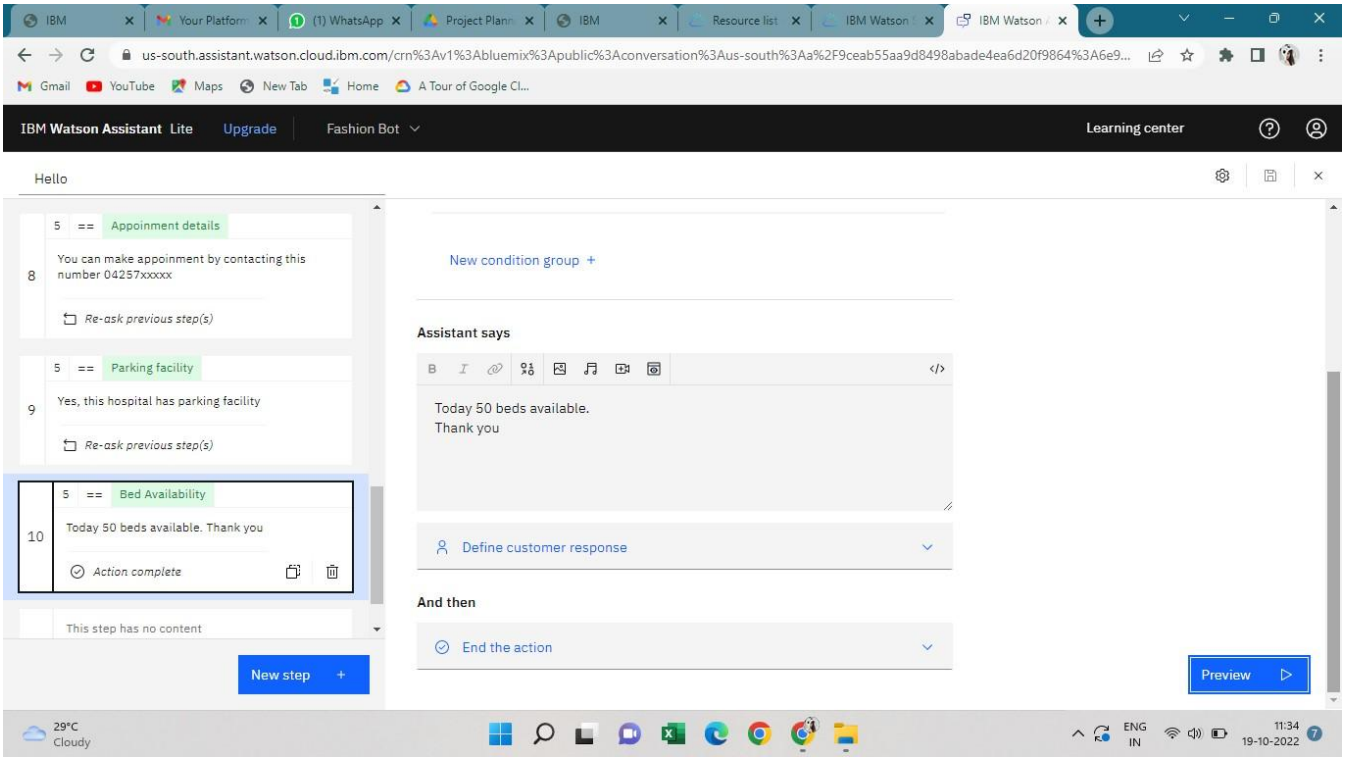
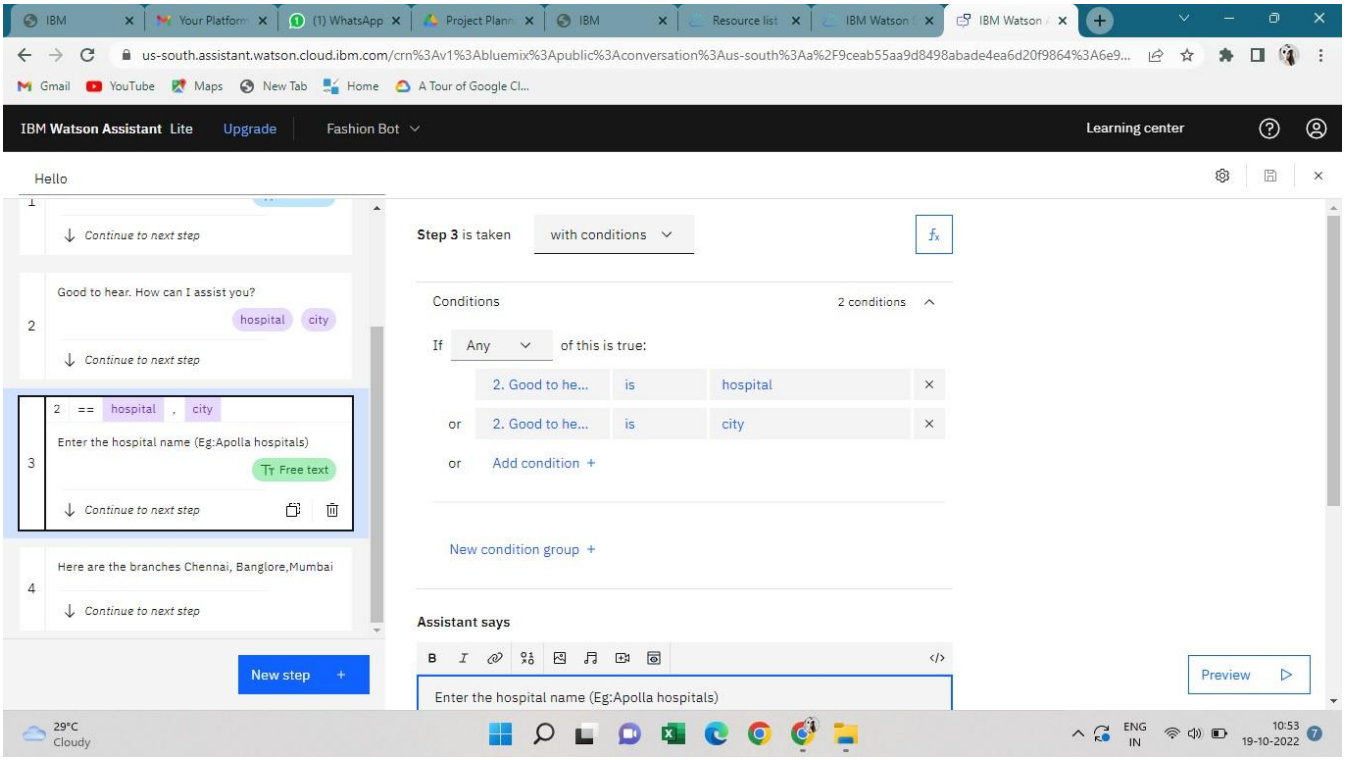
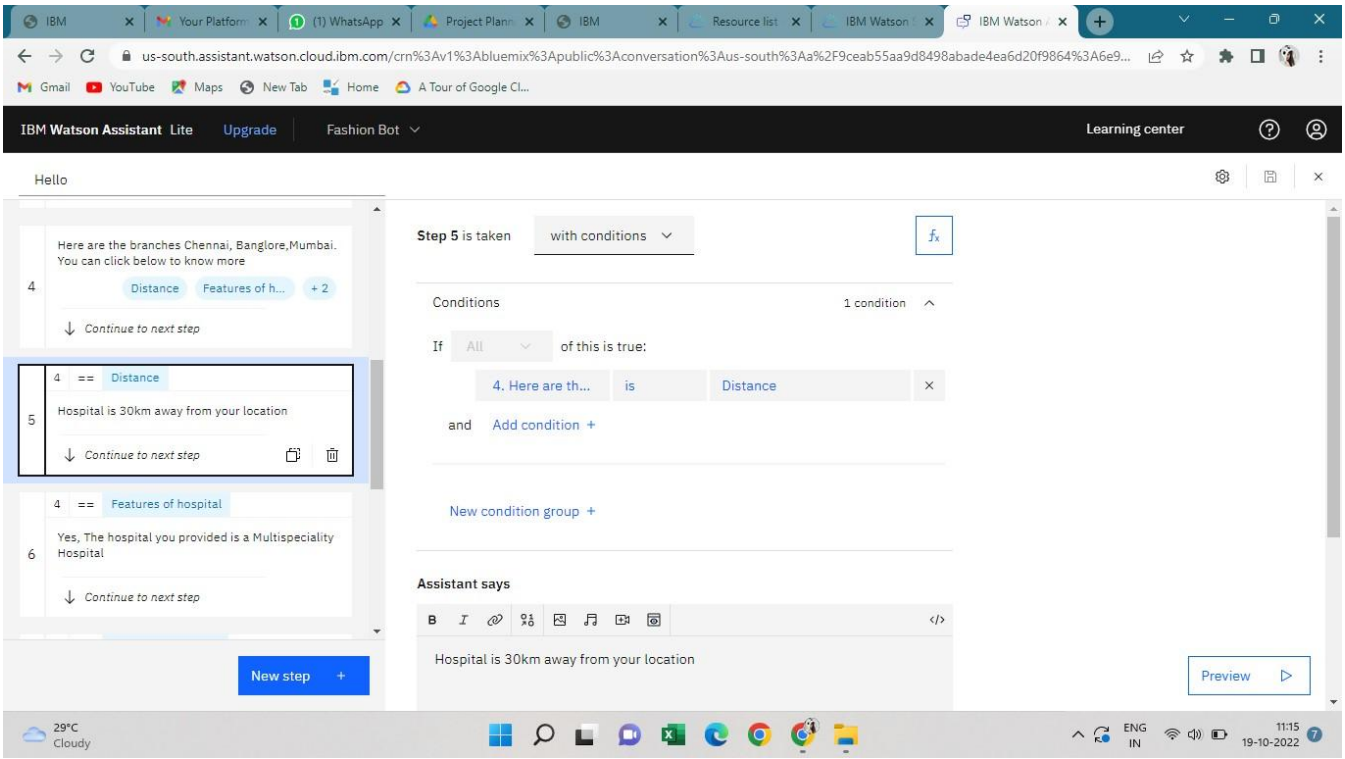
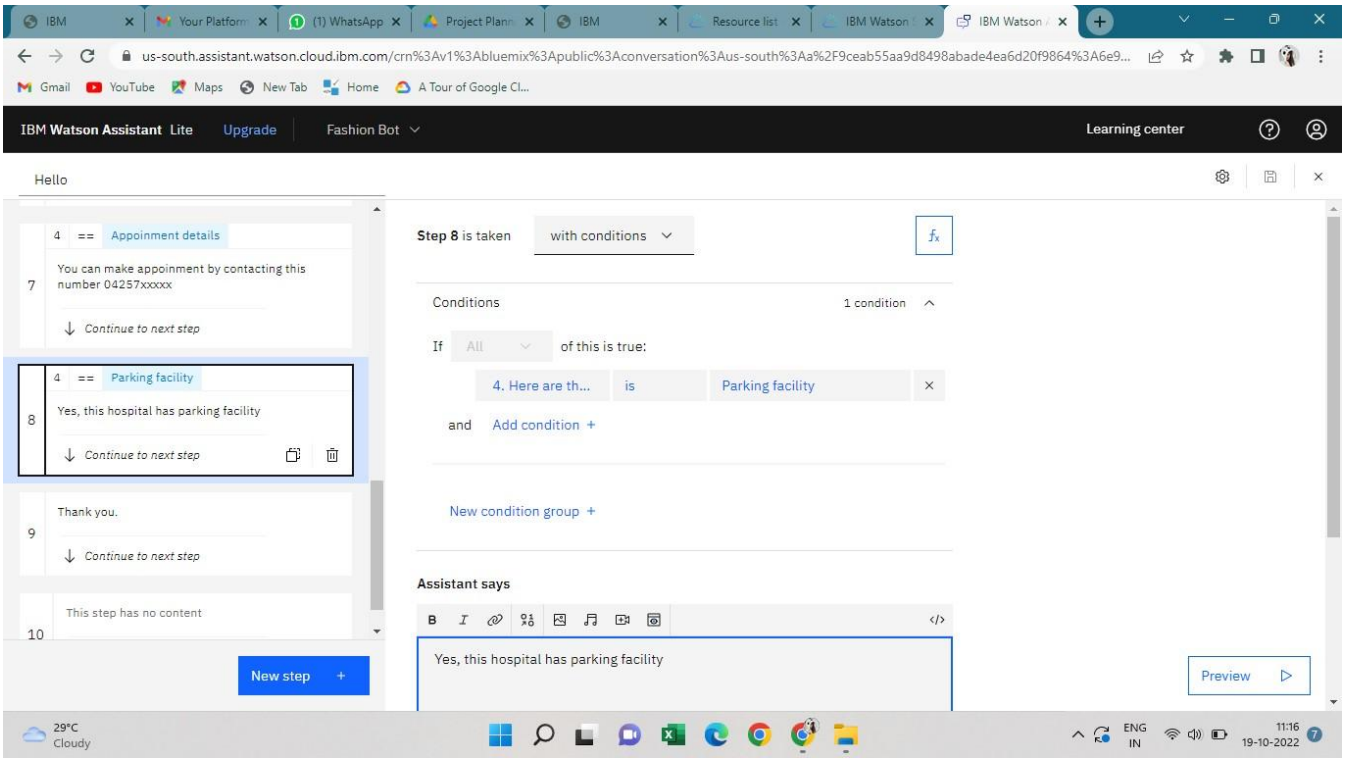


Figure 1. 10 steps of conversation

Included 3 conditions in steps:


IBM Watson Assistant Lite
Upgrade
Fashion Bot
Learning center
Hello
Continue to next step
Good to hear. How can I assist you?
hospital
city
2 == hospital , city
Enter the hospital name (Eg:Apolla hospitals)
Free text
Here are the branches Chennai, Banglore,Mumbai
New step
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 +
New condition group +
Assistant says
Enter the hospital name (Eg:Apolla hospitals)
Preview


IBM Watson Assistant Lite
Upgrade
Fashion Bot
Learning center
Hello
Here are the branches Chennai, Banglore,Mumbai.
You can click below to know more
Distance
Features of h...
+ 2
4 == Distance
Hospital is 30km away from your location
4 == Features of hospital
Yes, The hospital you provided is a Multispeciality Hospital
New step
Step 5 is taken
with conditions
Conditions
1 condition
If All of this is true:
4. Here are th... is Distance
and Add condition +
New condition group +
Assistant says
Hospital is 30km away from your location
Preview


IBM Watson Assistant Lite
Upgrade
Fashion Bot
Learning center
Hello
4 == Appointment details
You can make appointment by contacting this number 04257xxxxx
Continue to next step
4 == Parking facility
Yes, this hospital has parking facility
Continue to next step
Thank you.
Continue to next step
This step has no content
New step
Step 8 is taken
with conditions
Conditions
1 condition
If All of this is true:
4. Here are th...
is
Parking facility
and
Add condition +
New condition group +
Assistant says
Yes, this hospital has parking facility
Preview

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>
        <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__)



@a
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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
```