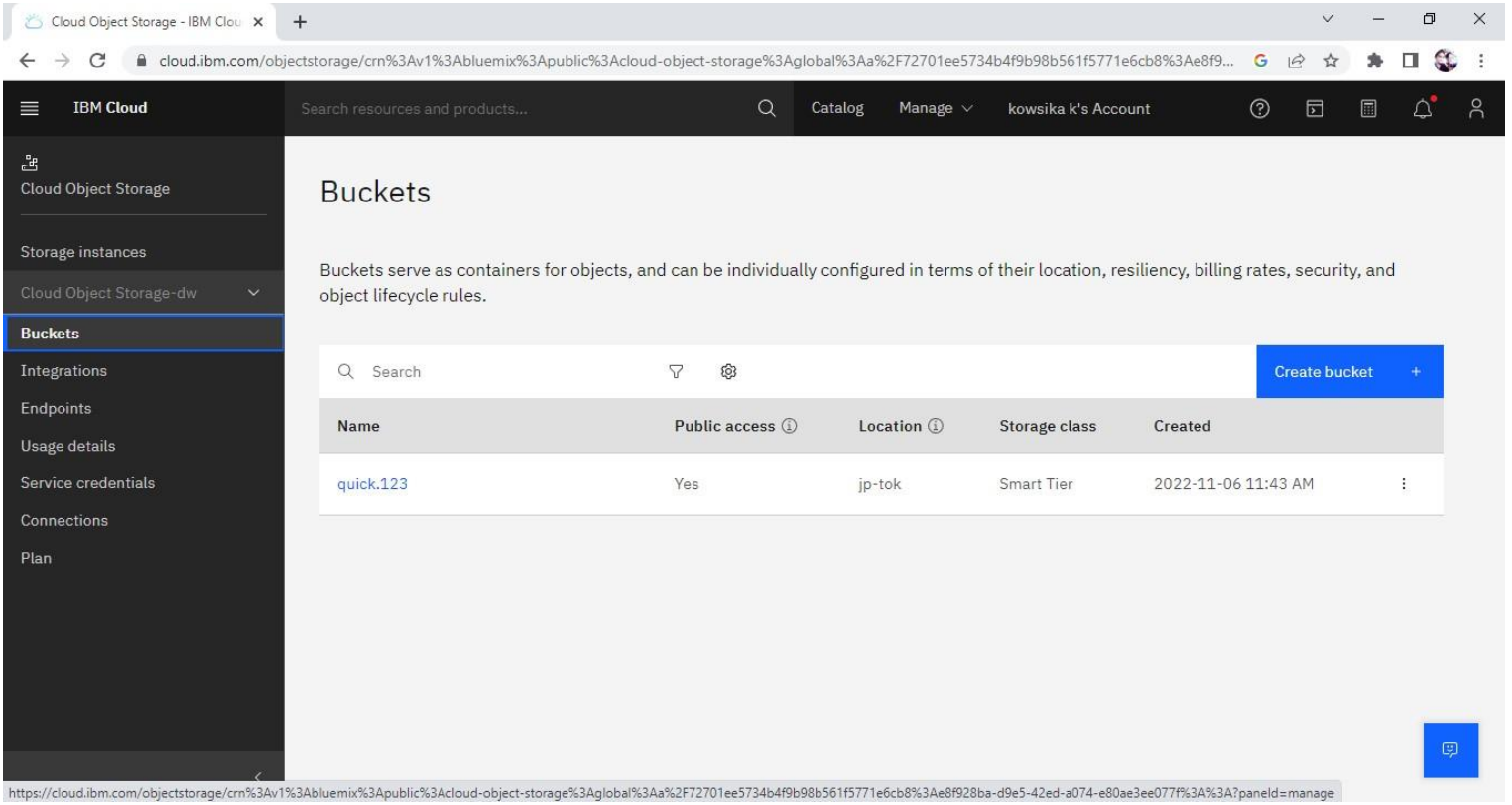
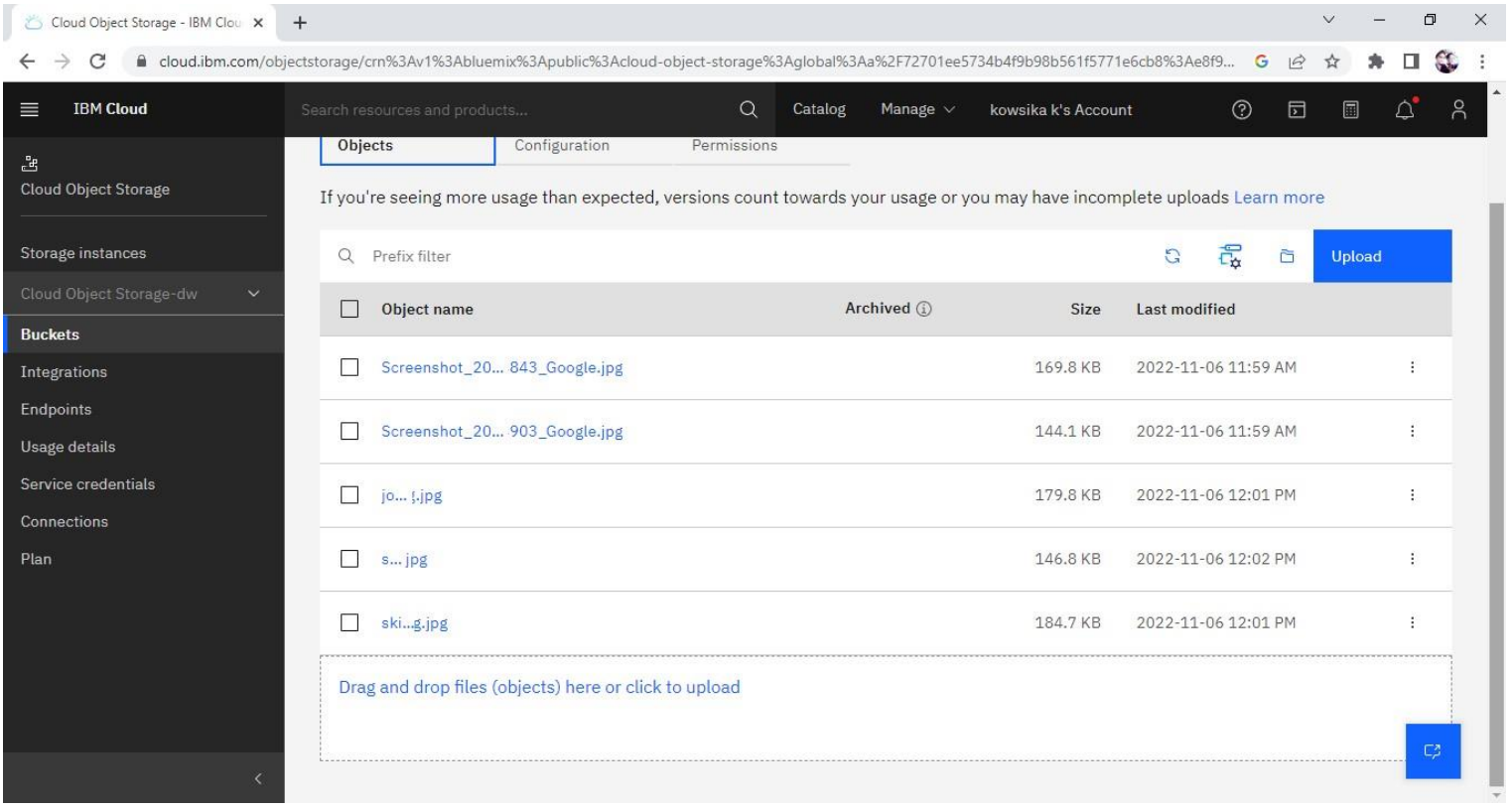
Assignment-3

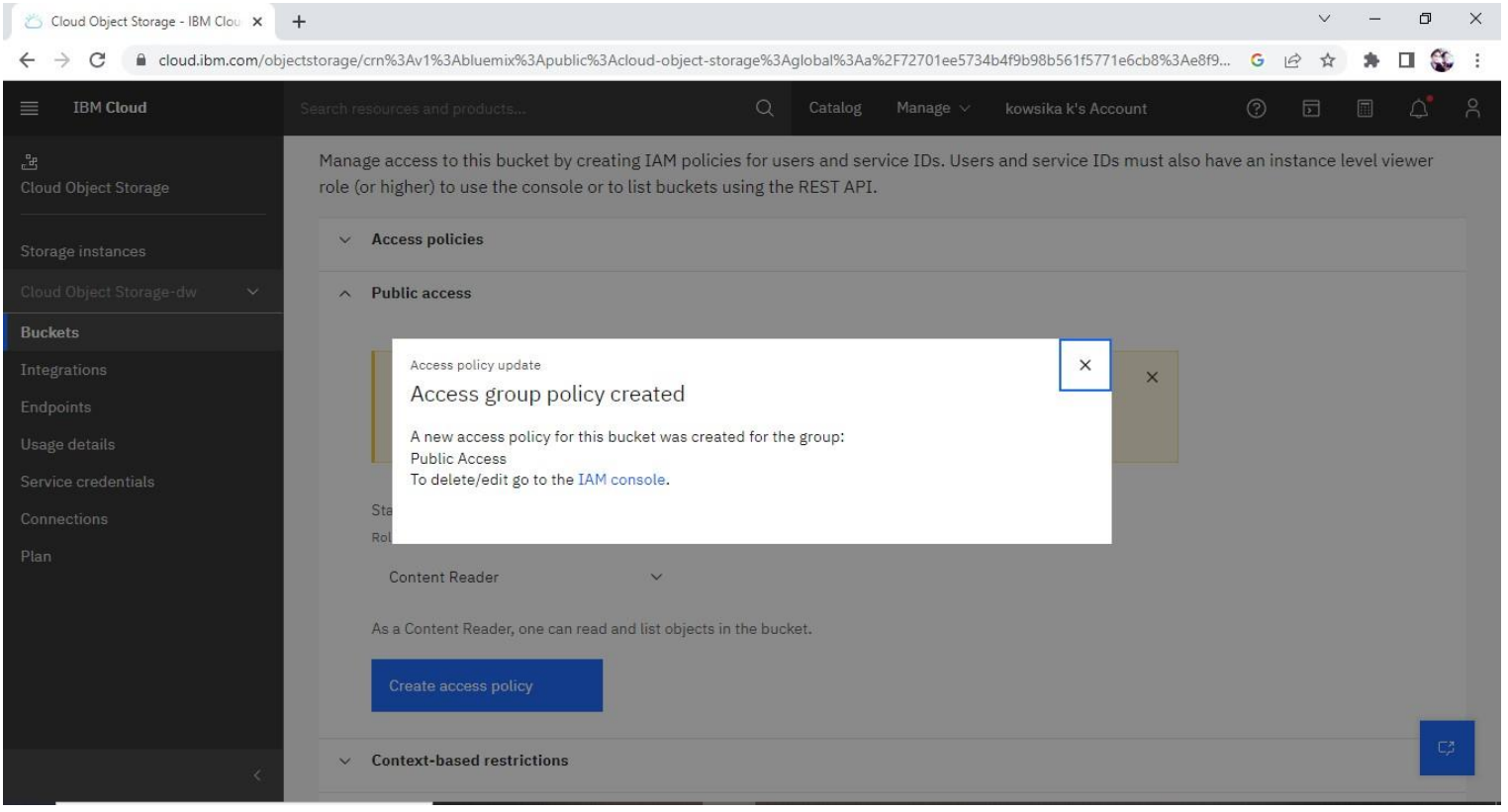
Date	10October2022
TeamID	PNT2022TMID30621
ProjectName	SkillandJobRecommenderA pplication

1. CREATEABUCKETINIBMOBJECTSTORAGE.

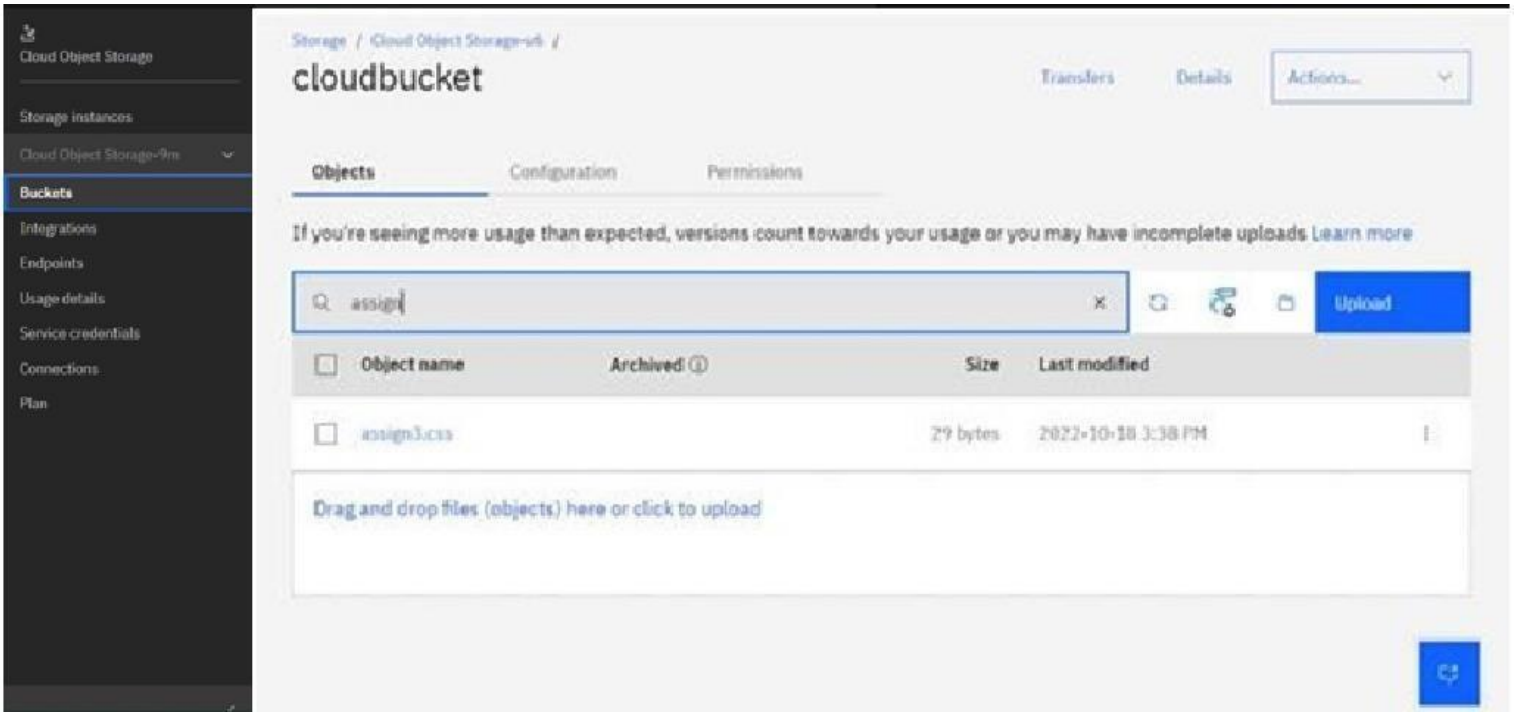


Upload an 5 images to ibm object storage and make it public.Writehtmlcodetodisplayingall the5images.





2. Upload a css page to the object storage and use the same page in yourHTMLcode.



*Untitled - Notepad

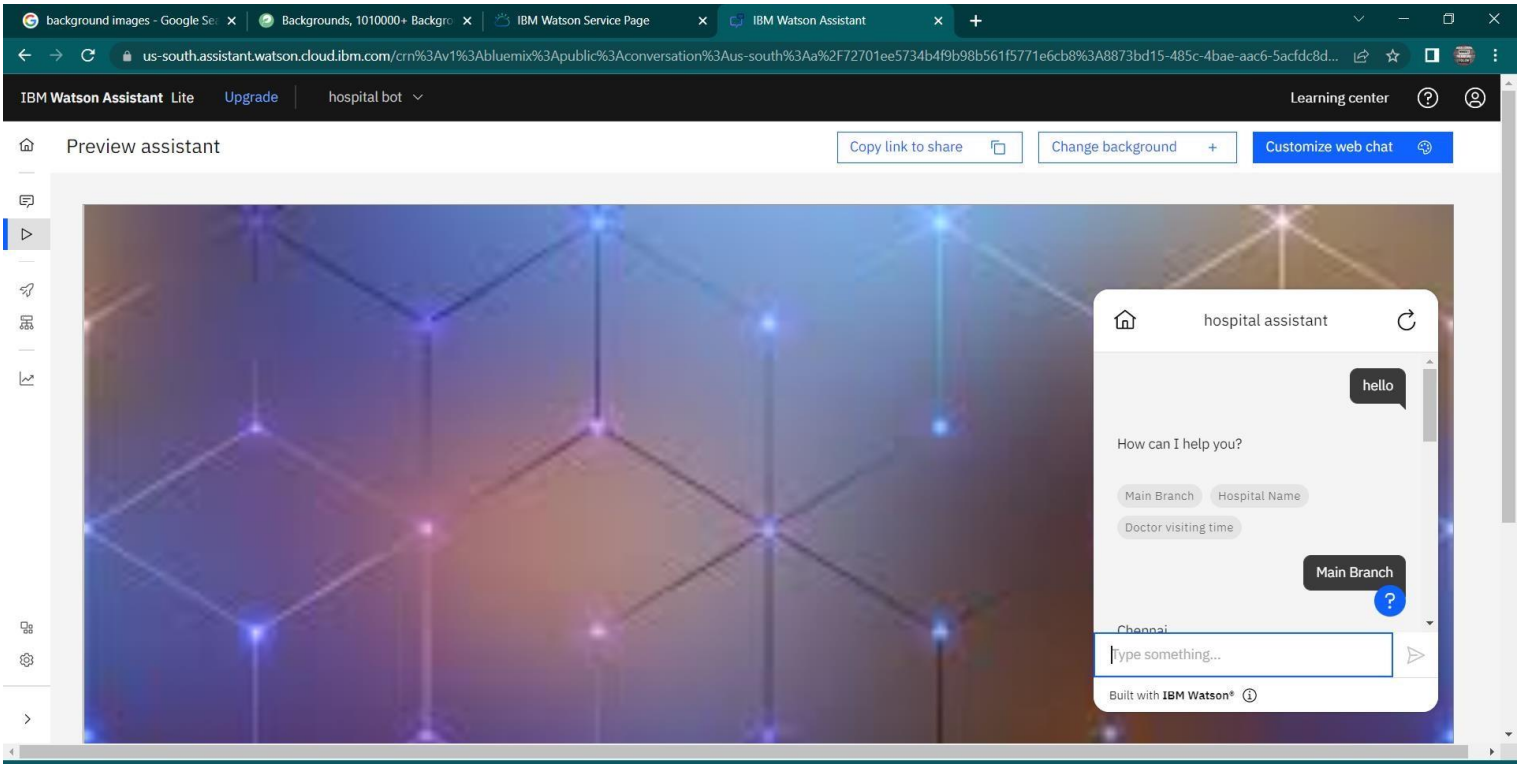
File Edit Format View Help

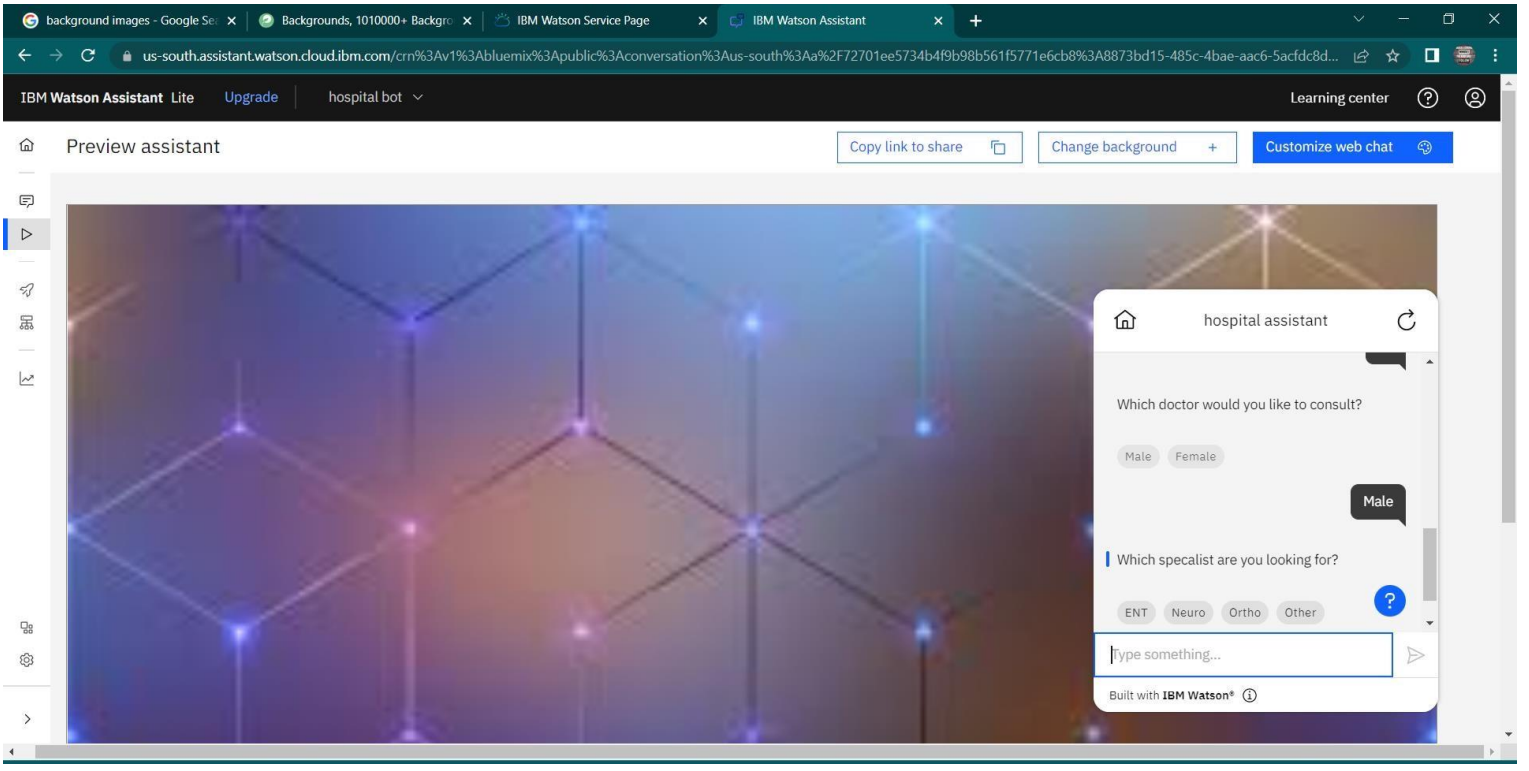
```
<!DOCTYPEhtml>
<htmllang="en">
<head>
<metacharset="UTF-8"/>
<metahttp-equiv="X-UA-Compatible"content="IE=edge"/>
<metaname="viewport"content="width=device-width,initial-scale=1.0"/>
<title>Home</title>
<link rel="stylesheet" href="{{url_for('redirect_to',link='https://s3.jp-tok.cloud-object-storage.appdomain.cloud/cloudbucket/assign3.css')}}"type="text/css">
<script>
  window.watsonAssistantChatOptions = {
    integrationID: "2468cc28-3ae1-4cb9-a012-3c197820ab0f", // The ID of this integration.
    region: "us-south", // The region your integration is hosted in.
    serviceInstanceID: "8873bd15-485c-4bae-aac6-5acfdc8d28a7", // 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>
<formaction="/uploader"method="POST"enctype="multipart/form-data">
<inputtype="text"placeholder="Enterfilename"name="filename"/>
<br/>
<br/>
<inputtype="file"name="file"/>
<br/>
<br/>
<inputtype="submit"/>

</form>
<br/>
<br/>
<br/>
{%forrowinfiles %}
<divstyle="border:1pxsolid#EFEFEF;margin:10px;">
<h3>Filename:{{row}}</h3>
<img src="https://cloudbucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/{{row}}"width="150px"></td>
</div>
```

3. Design achatbotusingIBMWatson assistantforhospital.

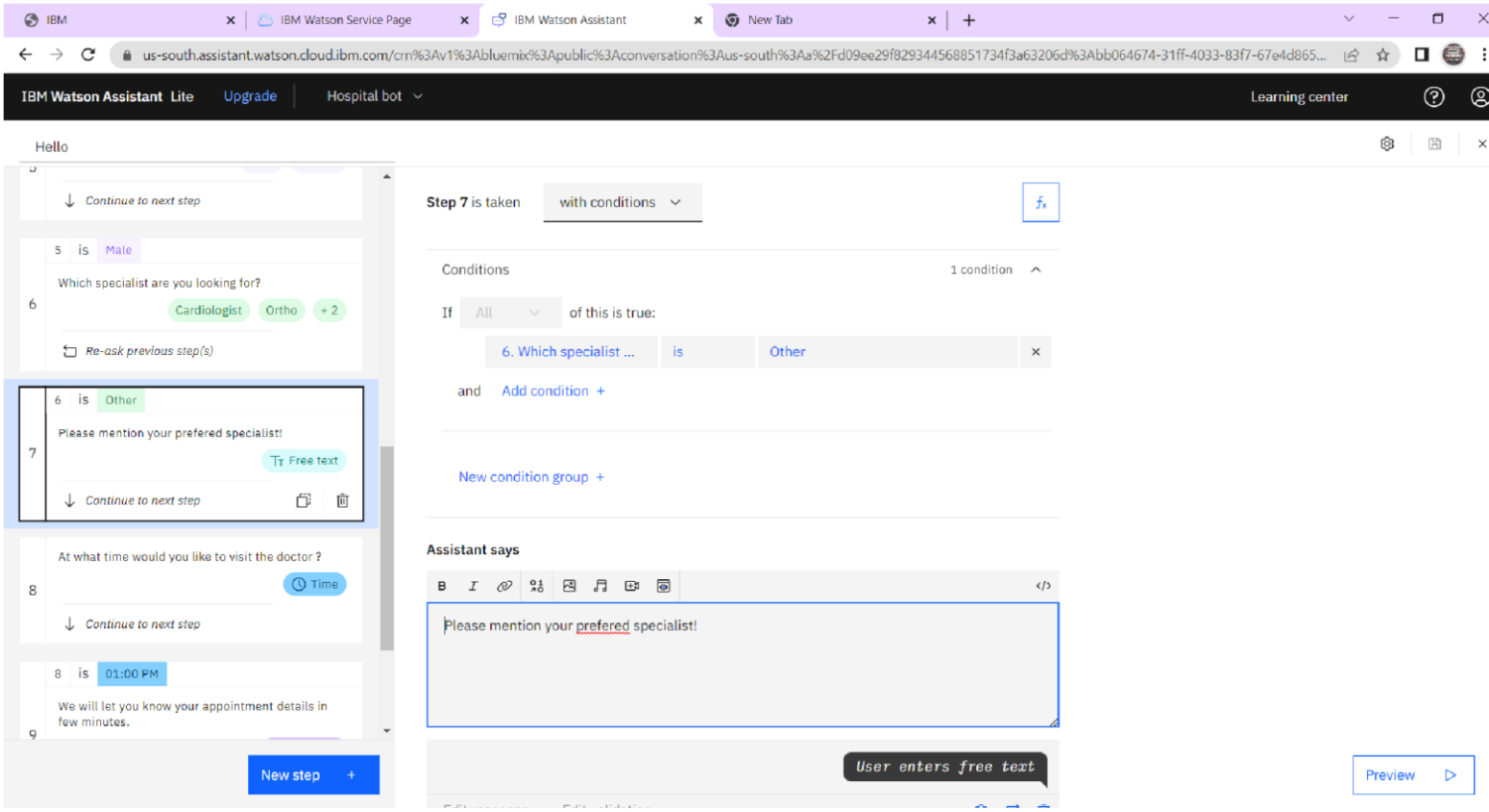




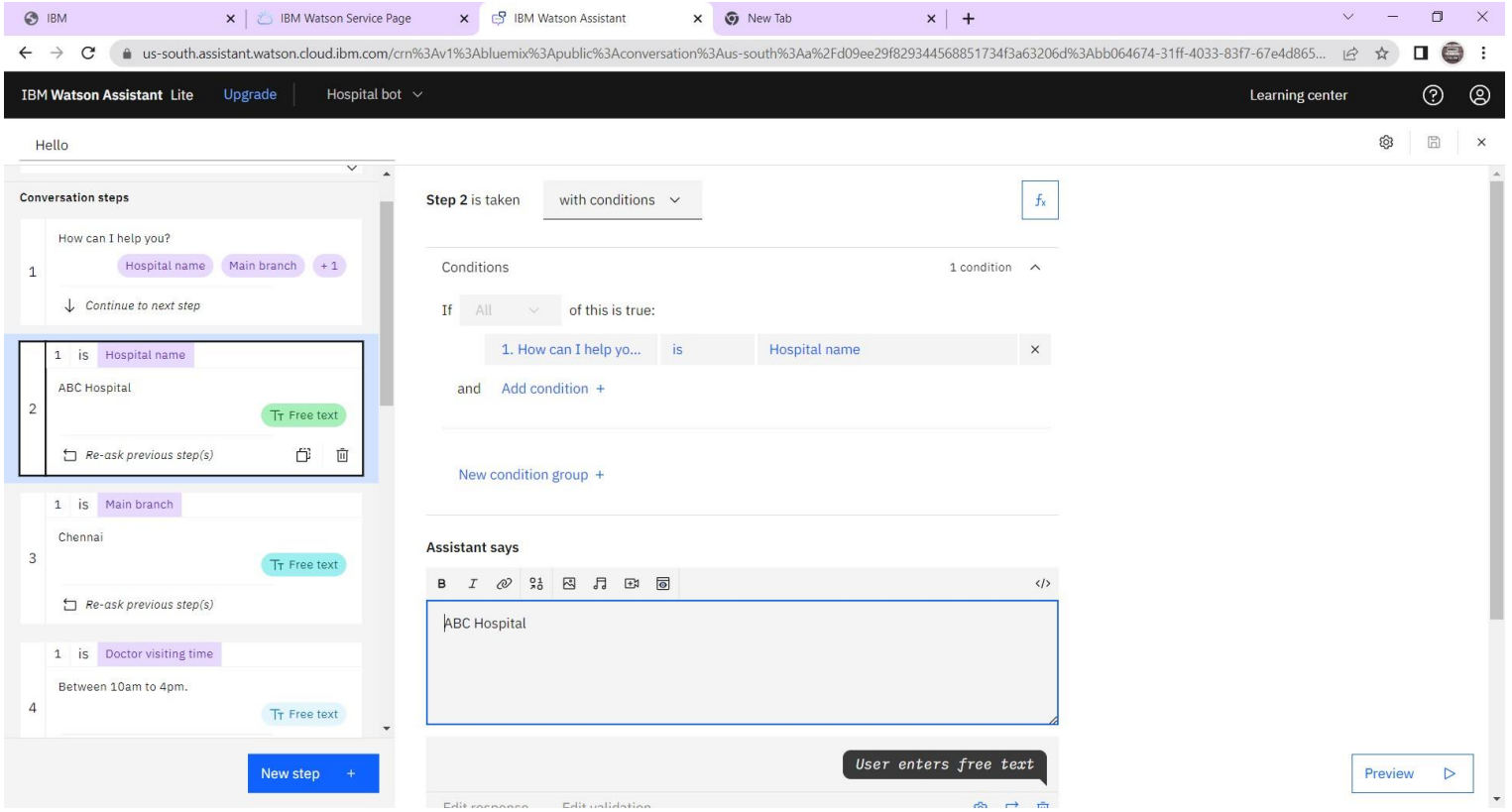
WebURL forAssistant:

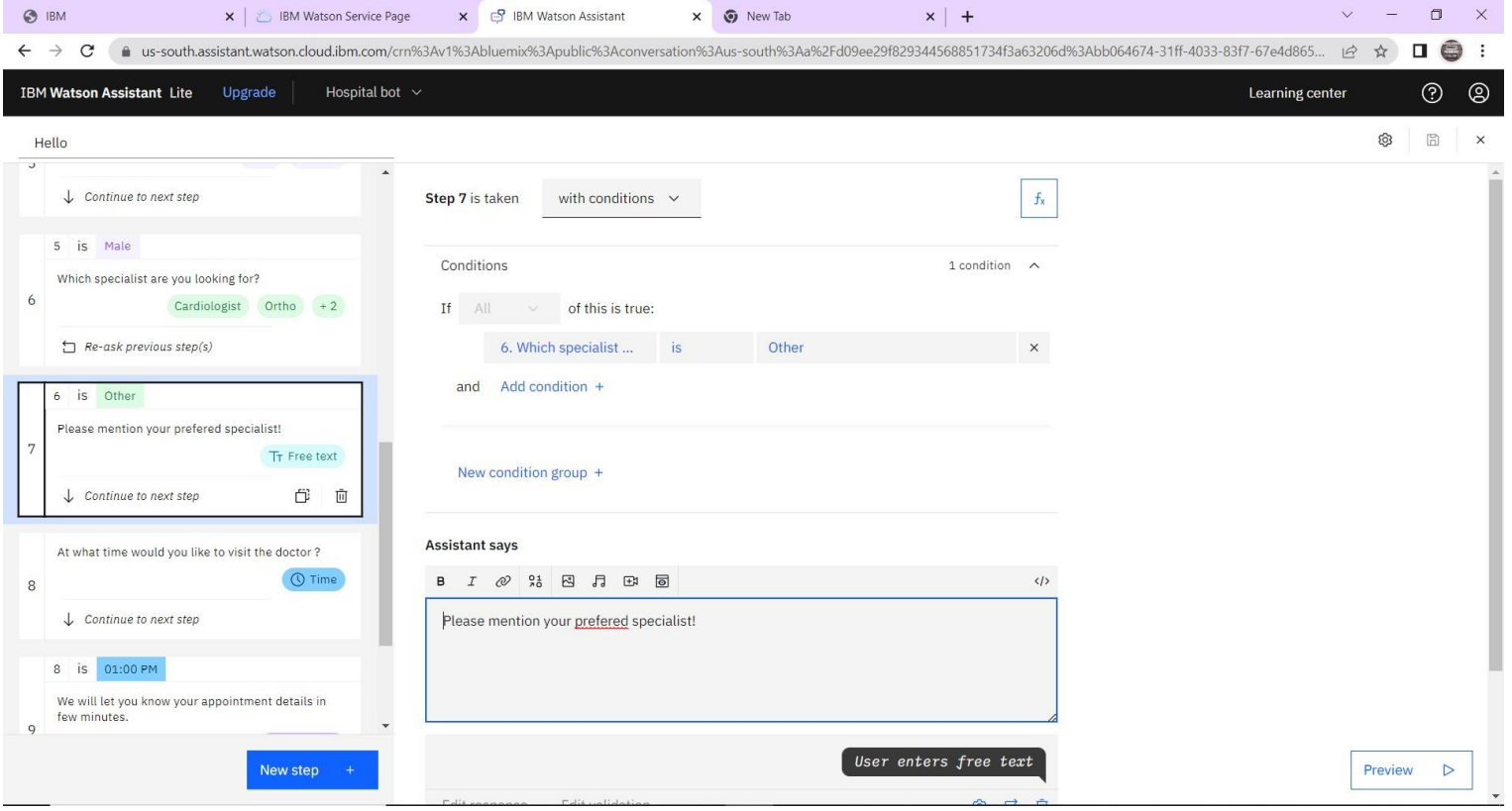
https://web-chat.global.assistant.watson.appdomain.cloud/preview.html?backgroundImageURL=https%3A%2F%2Fussouth.assistant.watson.cloud.ibm.com%2Fpublic%2Fimages%2Fupx-7df6f34f-0d17-4036-a906-b500d7c4b278%3A%3A8a7038d1-5e0c-4f5f-b1eb-725f3b78e5de&integrationID=3ed15b4c-58ce-4a91-837f4e050b7c23fb&region=us-south&serviceInstanceID=7df6f34f-0d17-4036-a906-b500d7c4b278

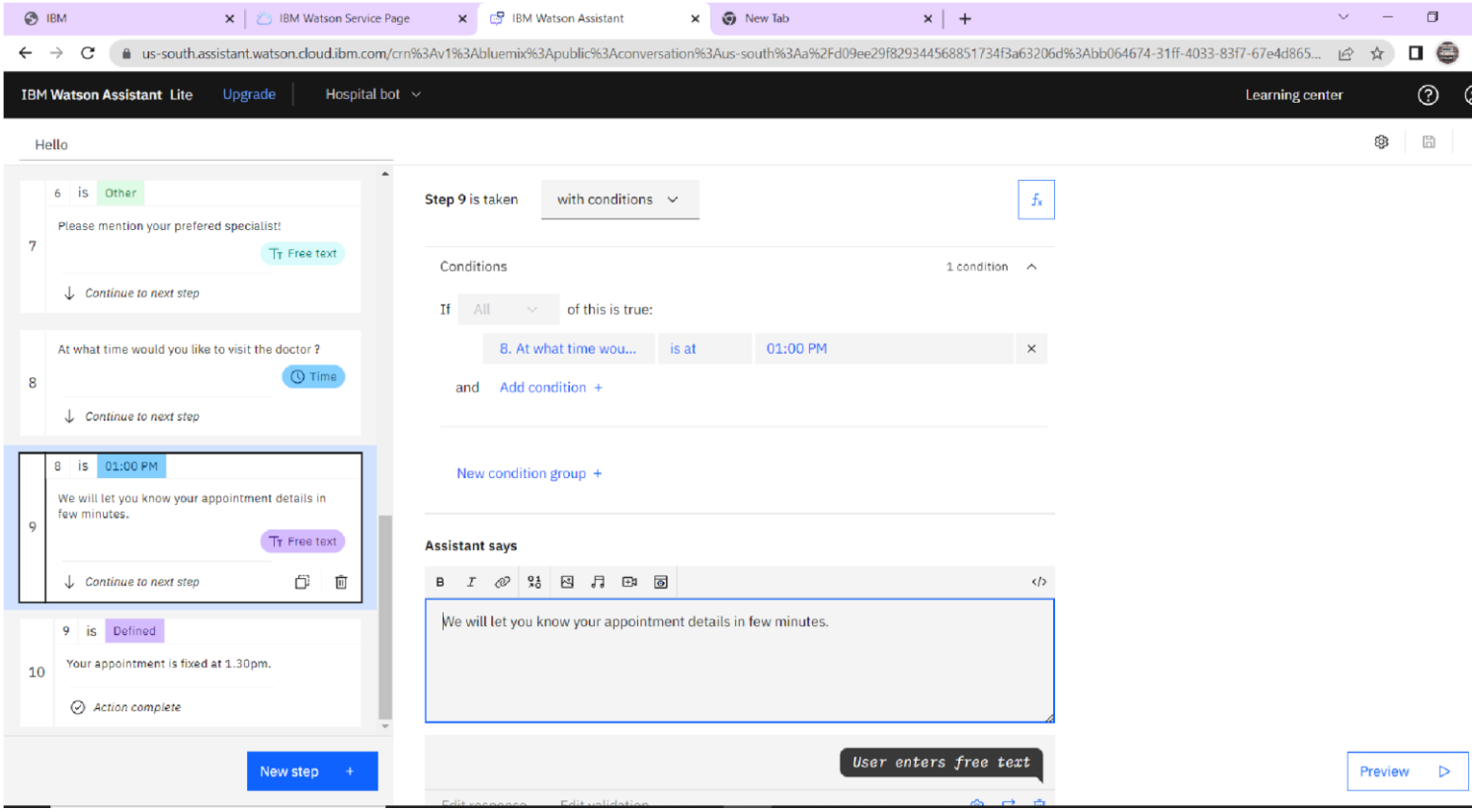
4. **Create Watson assistant service with 10 steps and use 3 conditions init.Load thatscriptin HTML page.**



Included3conditions insteps:






IBM
IBM Watson Service Page
IBM Watson Assistant
New Tab
us-south.assistant.watson.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Aconversation%3Aus-south%3Aa%2Fd09ee29f829344568851734f3a63206d%3Abb064674-31ff-4033-83f7-67e4d865...
IBM Watson Assistant Lite
Upgrade
Hospital bot
Learning center
Hello
6 is Other
7
Please mention your prefered specialist!
Free text
Continue to next step
At what time would you like to visit the doctor ?
8
Time
Continue to next step
8 is 01:00 PM
9
We will let you know your appointment details in few minutes.
Free text
Continue to next step
9 is Defined
10
Your appointment is fixed at 1.30pm.
Action complete
New step
Step 9 is taken
with conditions
Conditions
1 condition
If All of this is true:
8. At what time wou...
is at
01:00 PM
and
Add condition +
New condition group +
Assistant says
We will let you know your appointment details in few minutes.
User enters free text
Preview

Index.html

```
<!DOCTYPEhtml>
<htmllang="en">
<head>
<metacharset="UTF-8"/>
<metahttp-equiv="X-UA-Compatible"content="IE=edge"/>
<metaname="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: "2468cc28-3ae1-4cb9-a012-3c197820ab0f", // The ID of this integration.
  region: "us-south", // The region your integration is hosted in.  serviceInstanceID: "8873bd15-485c-4bae-aac6-5acfdc8d28a7", // 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>
<formaction="/uploader"method="POST"enctype="multipart/form-data">
<inputtype="text"placeholder="Enterfilename"name="filename"/>
<br/>
<br/>
<inputtype="file"name="file"/>
<br/>
<br/>
<inputtype="submit"/>
</form>
<br/>
<br/>
<br/>
{%forrowinfiles %}
```

```
        <divstyle="border:1pxsolid#EFEFEF;margin:10px;">
          <h3>Filename:{{row}}</h3>
          <img src="https://cloudbucket.s3.jp-tok.cloud-
objectstorage.appdomain.cloud/{{row}}"width="150px"></td>
        </div>
      {%endfor%}
  </body>
</html>
```

App.py

```
import io from flask import
Flask,redirect,url_for,render_template,requestimport ibm_boto3
fromibm_botocore.client importConfig,ClientError

COS_ENDPOINT="https://s3.jp-tok.cloud-
objectstorage.appdomain.cloud"COS_API_KEY_ID=""
COS_INSTANCE_CRN=""


cos =
    ibm_boto3.resource("s3",ibm_api_key_id=COS_A
    PI_KEY_ID,ibm_service_instance_id=COS_INST
    ANCE_CRN,config=Config(signature_version="oa
    uth"),endpoint_url=COS_ENDPOINT
)
app=Flask(name)



@app.route('/')
def
index():try:
        files =
```

```
        cos.Bucket('cloudbucket').objects.all()files_n
        ames=[]
        for file in
           files:files_names.append(file
           .key)print(file)
           print("Item: {0} ({1} bytes).".format(file.key,
        file.size))returnrender_template('index.html',files=files_na
        mes)

    exceptClientErrorasbe: print("CLIENT
        ERROR:
        {0}\n".format(be))returnrender_template('in
        dex.html')
    exceptExceptionase:
        print("Unable to retrieve bucket contents:
        {0}".format(e))returnrender_template('index.html')

@app.route('/uploader',methods=['POST'])
def
upload():name_file=request.form['filenam
e'] f = request.files['file']try:
    part_size=1024 * 1024 * 5

    file_threshold=1024* 1024* 15
transfer_config                                                    =
ibm_boto3.s3.transfer.TransferConfig(multipart_thre
shold=file_threshold,
```

```
                multipart_chunksize=part_size
            )
content=f.read() cos.Object('cloudbucket',
            name_file).upload_fileobj(Fileobj=io.BytesIO
                (content),Config=transfer_config
            )
            returnredirect(url_for('index'))


          exceptClientErrorasbe: print("CLIENT
              ERROR:
              {0}\n".format(be))returnredirect(url_for('ind
              ex'))

          exceptExceptionase:
              print("Unable to complete multi-part upload:
              {0}".format(e))returnredirect(url_for('index'))

        if name ==' main
          ':app.run(host='0.0.0.0',port=8080,debug=Tru
          e
```