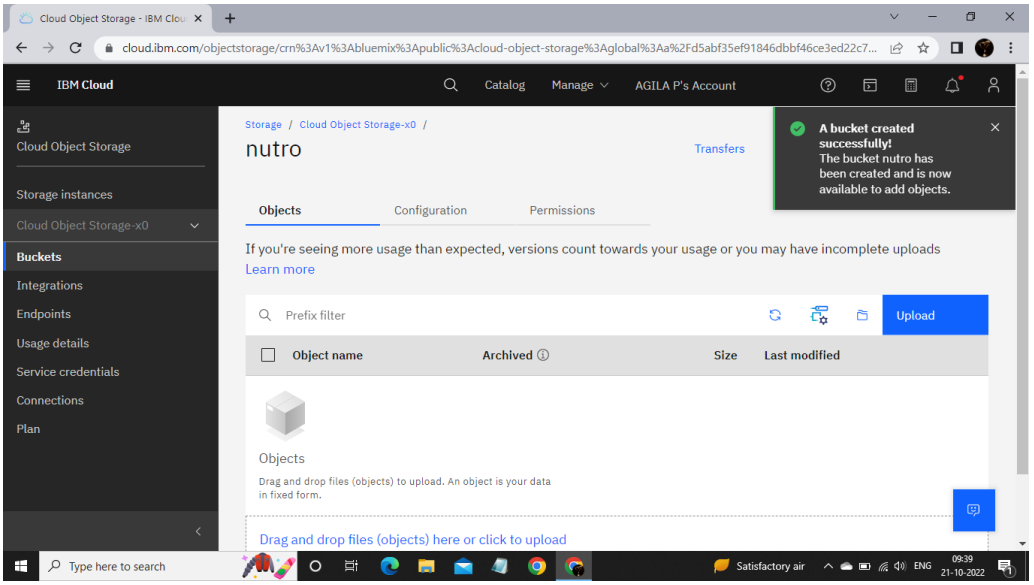
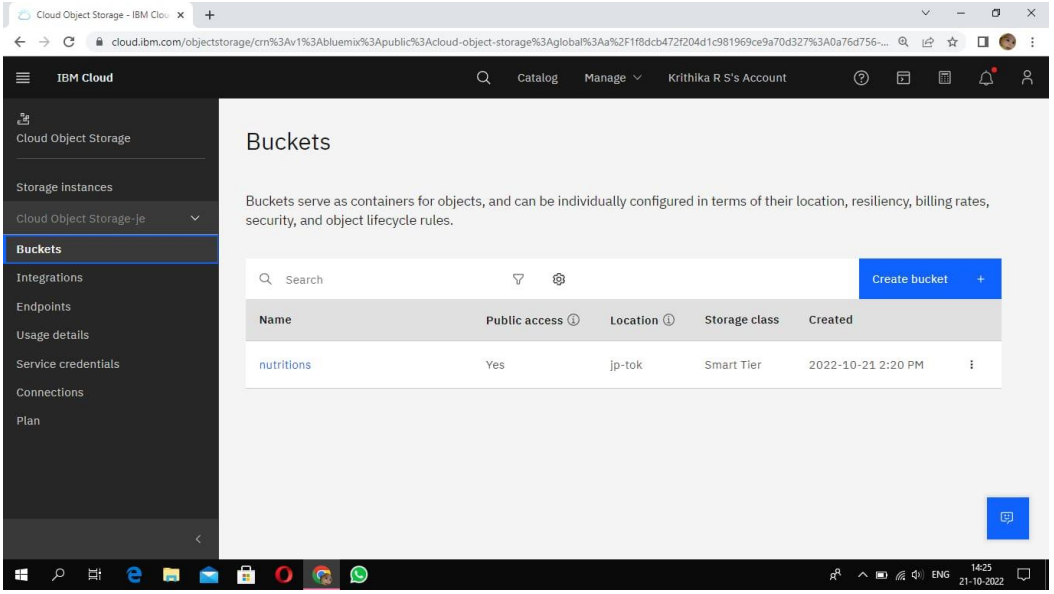
Assignment-3

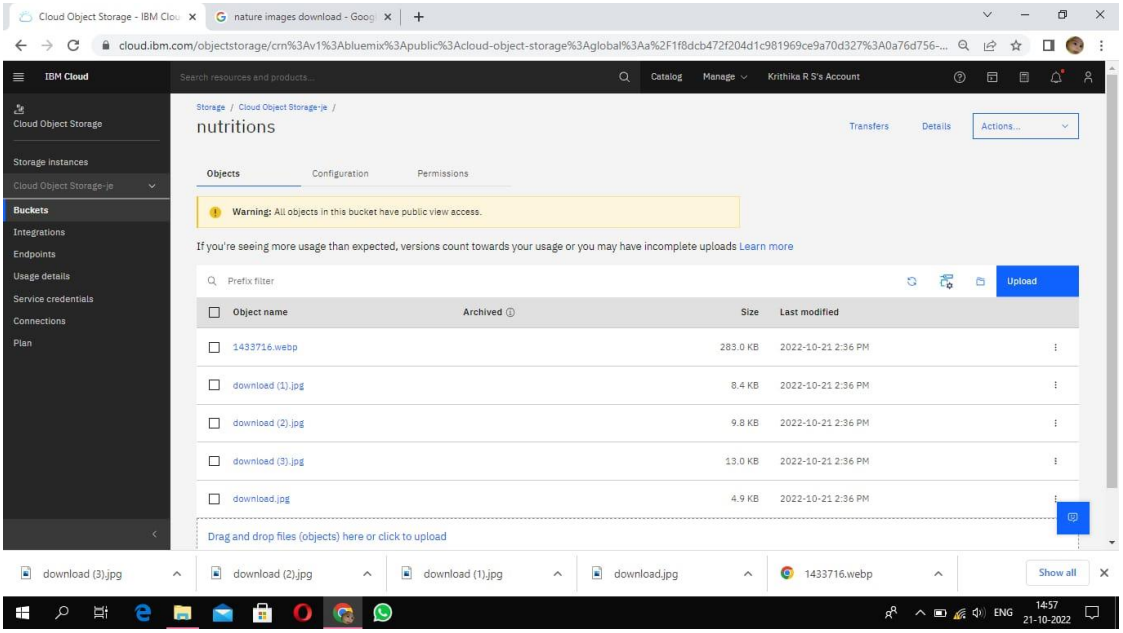
Date	10 October 2022
Team ID	PNT2022TMID30524
Projectname	Nutrition Assistant Application

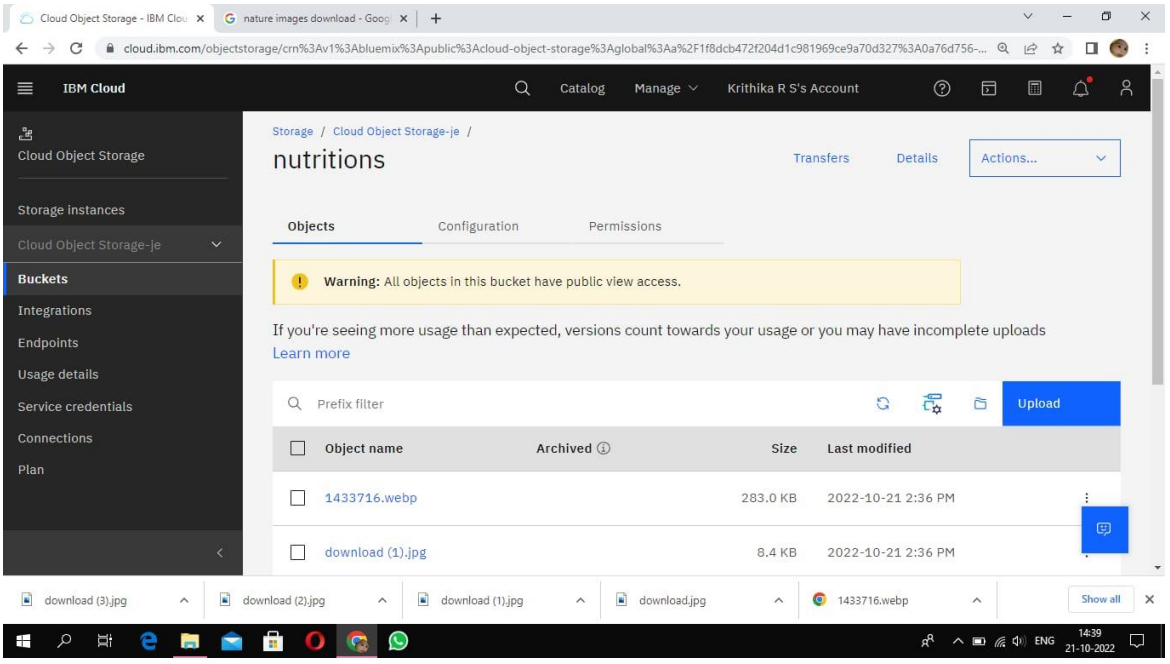
1. CREATE A BUCKET IN IBM OBJECT STORAGE.



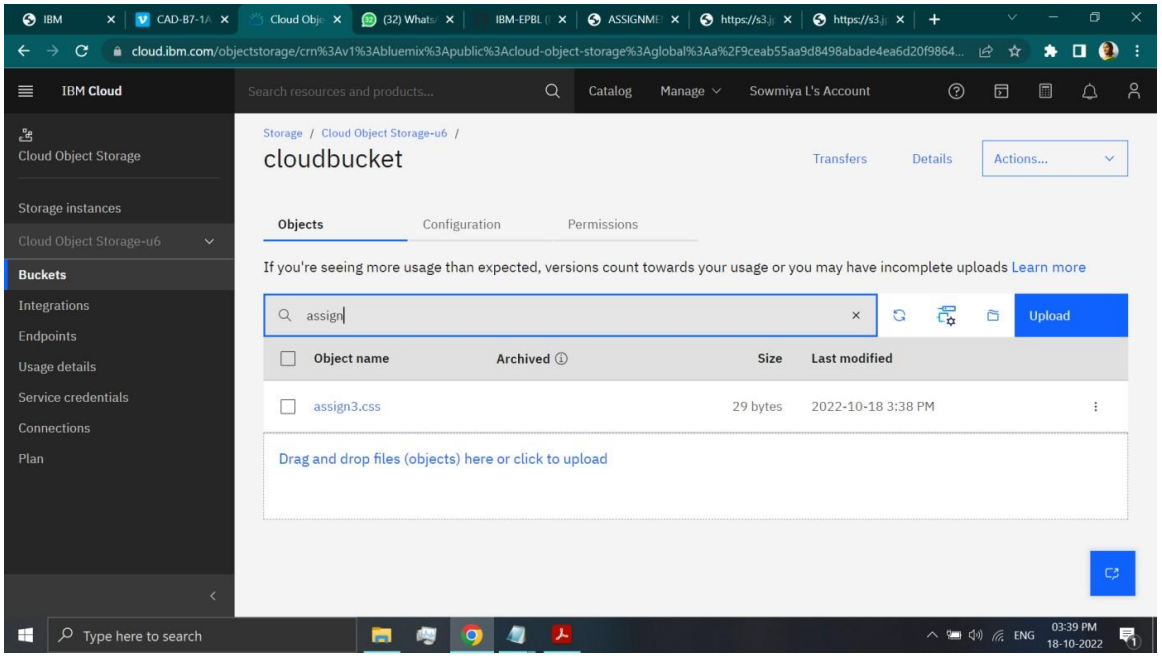


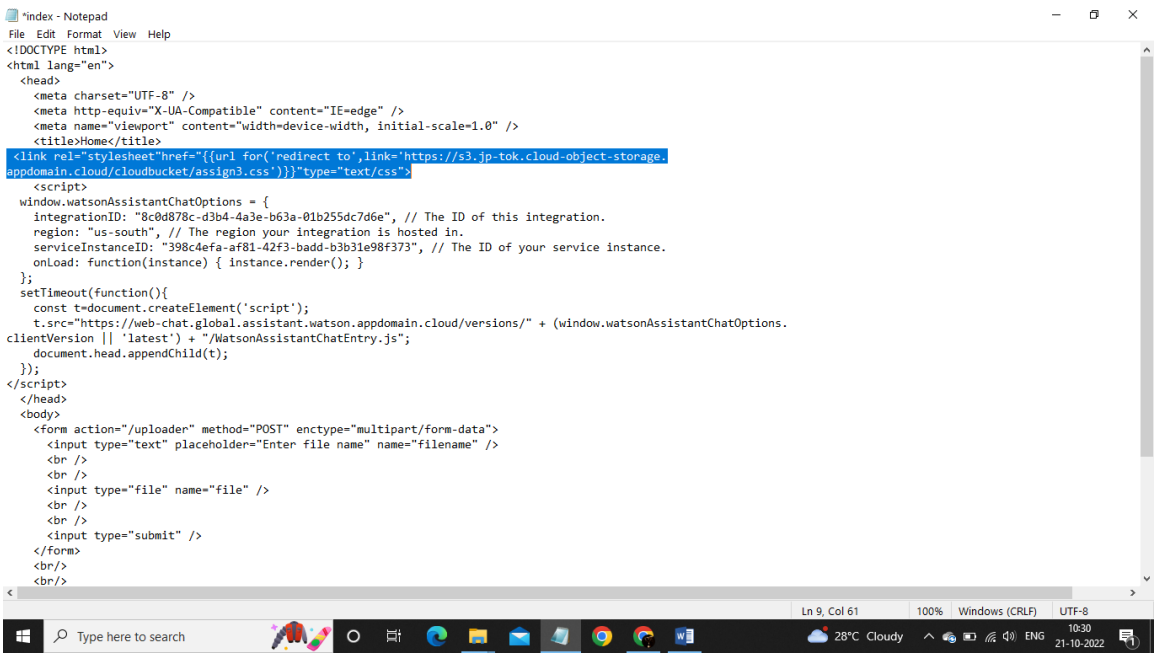
2.Upload an 5 images to ibm object storage and make it public. write html code to displaying all the 5 images.



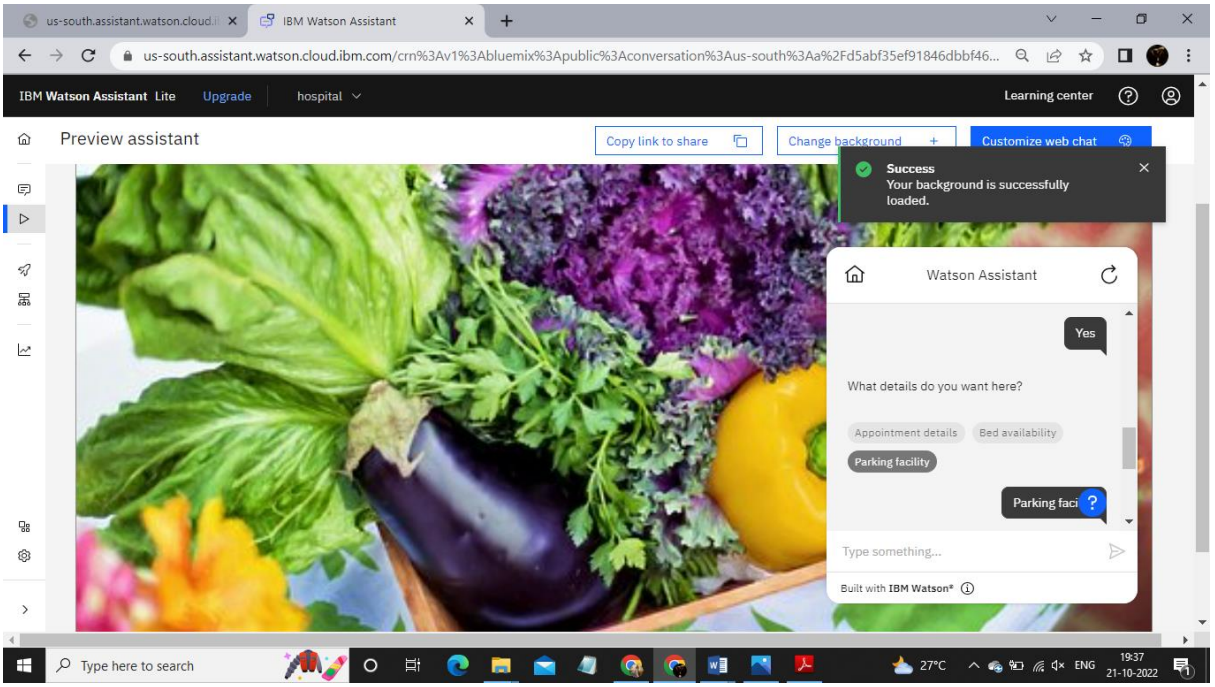


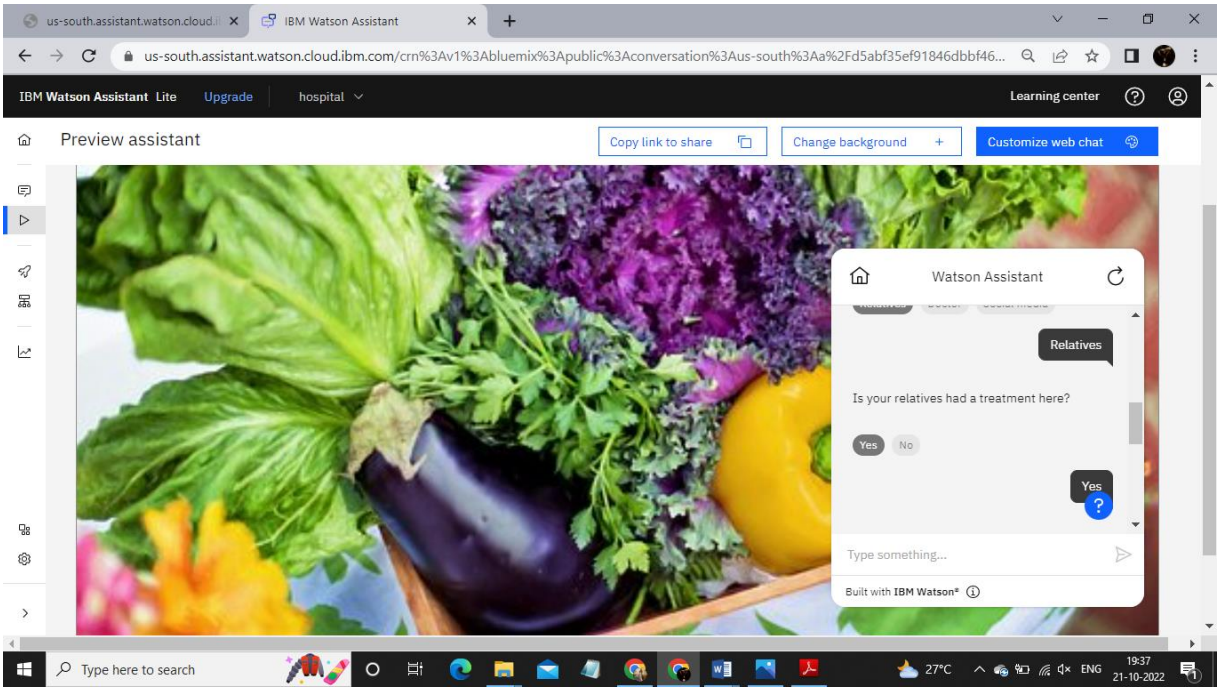
2. Upload a css page to the object storage and use the same page in your HTML code.





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%3A%2F%2Fus-south.assistant.watson.cloud.ibm.com%2Fpublic%2Fimages%2Fupx-398c4efa-af81-42f3-badd-b3b31e98f373%3A%3A6299a82c-671e-4181-a618-b8c6251f725a&integrationID=8c0d878c-d3b4-4a3e-b63a-01b255dc7d6e&region=us-south&serviceInstanceID=398c4efa-af81-42f3-badd-b3b31e98f373

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

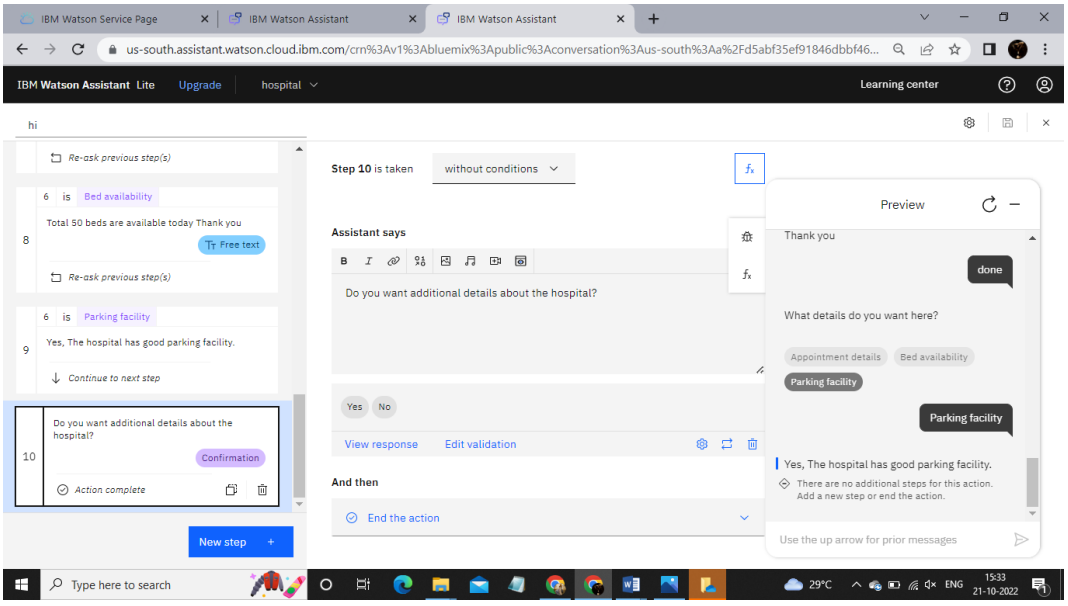
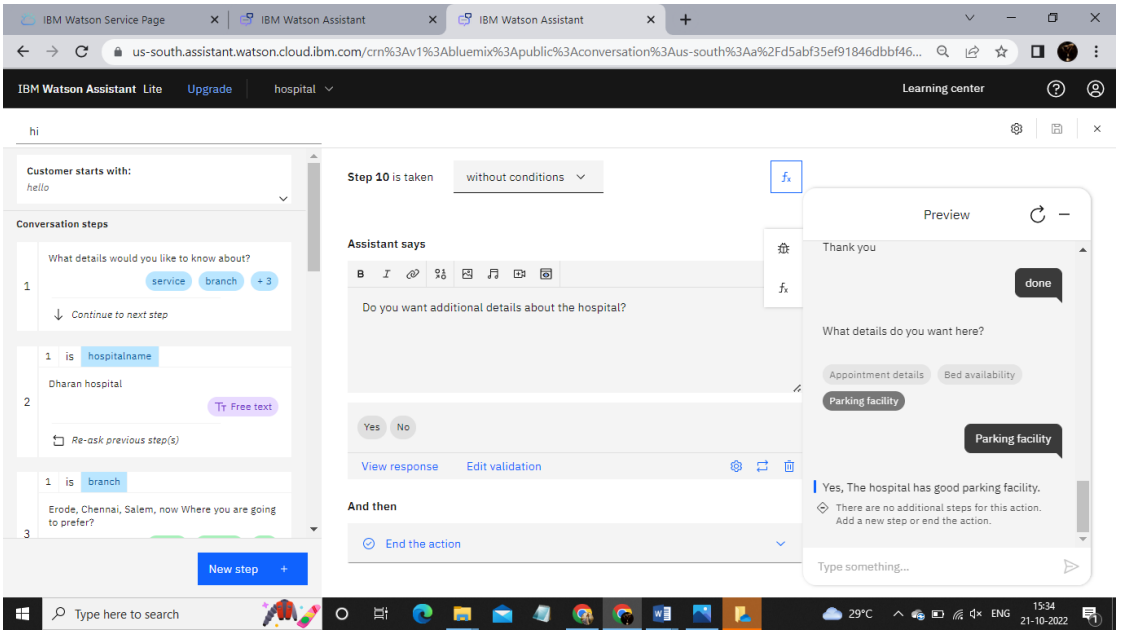
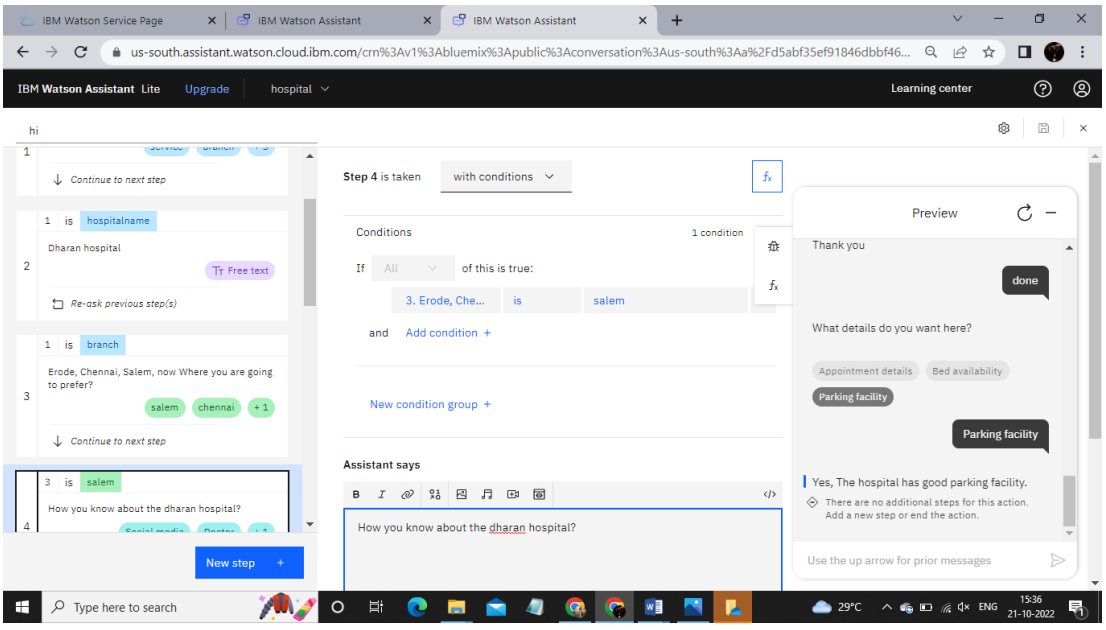
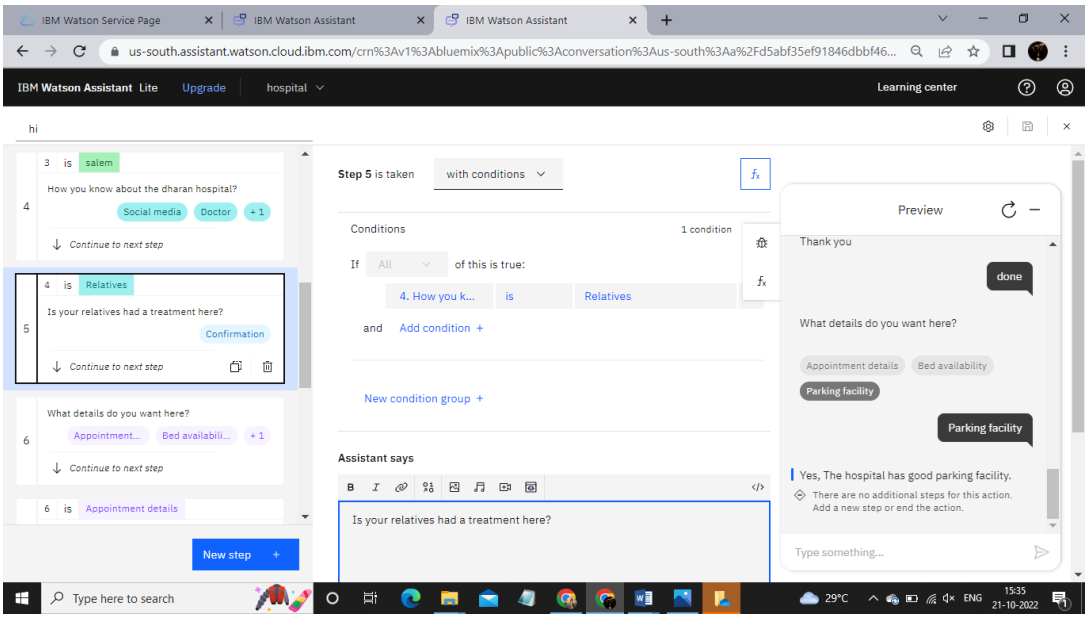


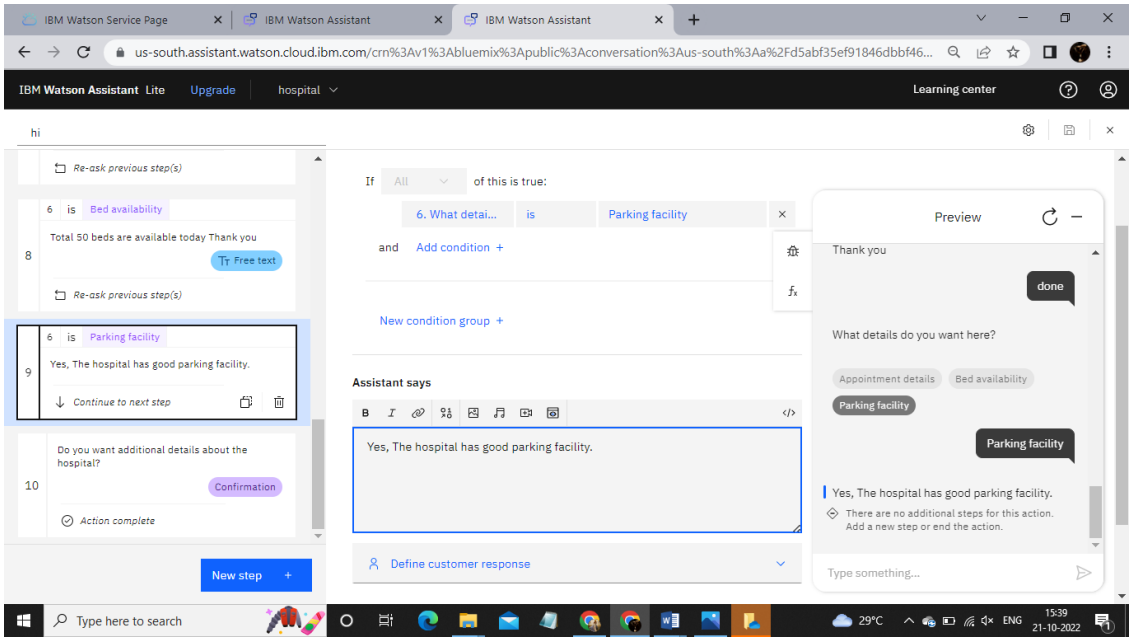
Figure 1. 10 steps of conversation

Included 3 conditions in steps:






IBM Watson Service Page
IBM Watson Assistant
IBM Watson Assistant
us-south.assistant.watson.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Aconversation%3Aus-south%3Aa%2Fd5abf35ef91846dbbf46...
IBM Watson Assistant Lite
Upgrade
hospital
Learning center
hi
3 is salem
How you know about the dharan hospital?
Social media
Doctor
+ 1
Continue to next step
4 is Relatives
Is your relatives had a treatment here?
Confirmation
Continue to next step
What details do you want here?
Appointment...
Bed availabili...
+ 1
Continue to next step
6 is Appointment details
New step
Step 5 is taken
with conditions
Conditions
1 condition
If All of this is true:
4. How you k...
is
Relatives
and
Add condition +
New condition group +
Assistant says
Is your relatives had a treatment here?
Preview
Thank you
done
What details do you want here?
Appointment details
Bed availability
Parking facility
Parking facility
Yes, The hospital has good parking facility.
There are no additional steps for this action.
Add a new step or end the action.
Type something...
Type here to search
29°C
ENG
15:35
21-10-2022


IBM Watson Service Page
IBM Watson Assistant
IBM Watson Assistant
us-south.assistant.watson.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Aconversation%3Aus-south%3Aa%2Fd5abf35ef91846dbbf46...
IBM Watson Assistant Lite
Upgrade
hospital
Learning center
hi
Re-ask previous step(s)
6 is Bed availability
Total 50 beds are available today Thank you
Free text
Re-ask previous step(s)
6 is Parking facility
Yes, The hospital has good parking facility.
Continue to next step
Do you want additional details about the hospital?
Confirmation
Action complete
New step
If All of this is true:
6. What detai...
is
Parking facility
and
Add condition +
New condition group +
Assistant says
Yes, The hospital has good parking facility.
Define customer response
Preview
Thank you
done
What details do you want here?
Appointment details
Bed availability
Parking facility
Parking facility
Yes, The hospital has good parking facility.
There are no additional steps for this action.
Add a new step or end the action.
Type something...
Type here to search
29°C
ENG
15:39
21-10-2022

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-
object -storage.appdomain.cloud/cloudbucket/assign3.css')}}" type="text/css">
    <script>
     window.watsonAssistantChatOptions = {
     integrationID: "8c0d878c-d3b4-4a3e-b63a-01b255dc7d6e", // The ID of this integration.
     region: "us-south", // The region your integration is hosted in.
     serviceInstanceID: "398c4efa-af81-42f3-badd-b3b31e98f373",
     // 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>

  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
```