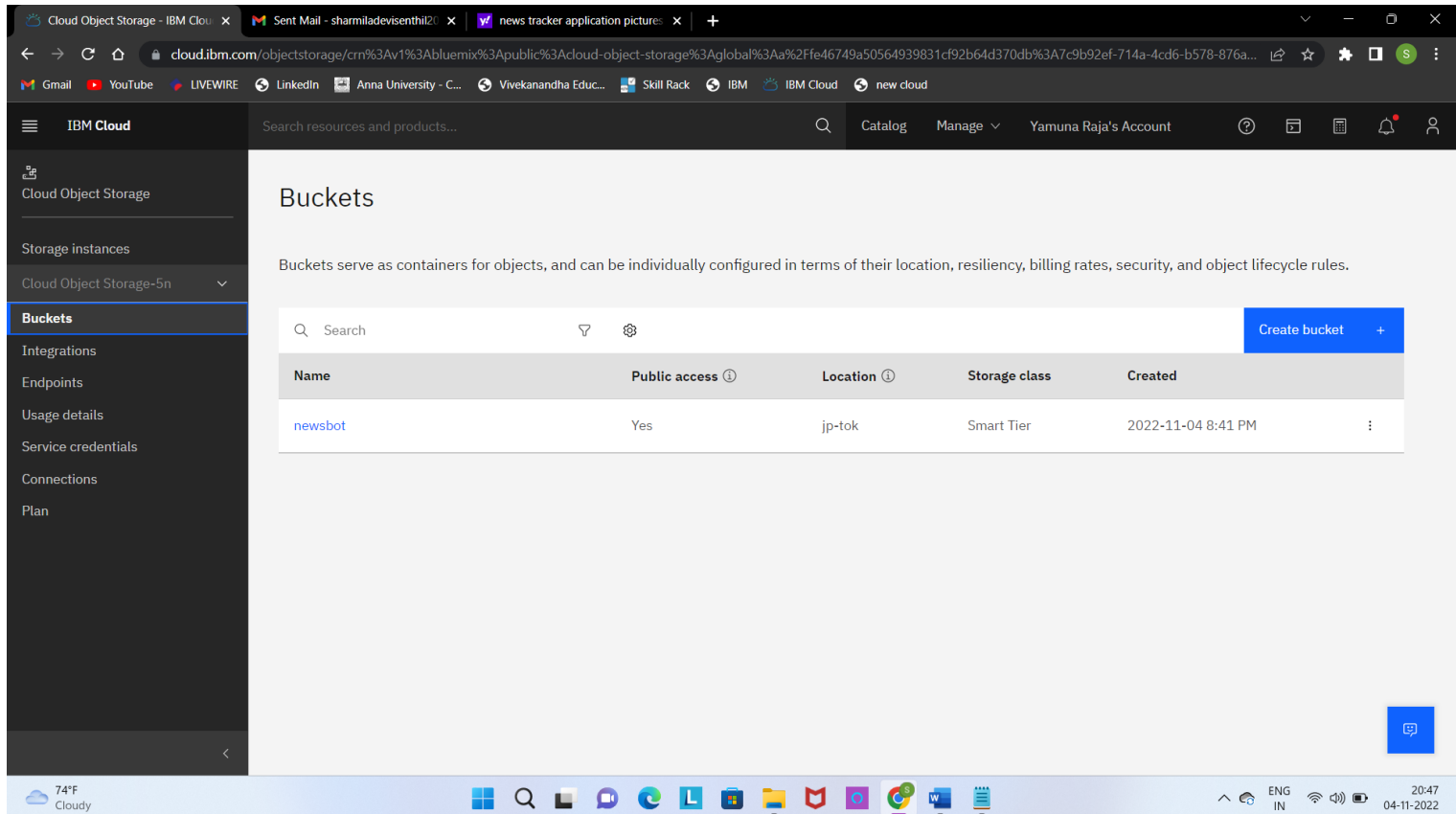


Assignment-3

Date	10 October 2022
Team ID	PNT2022TMID30665
Project Name	News Tracker Application.

1. CREATE A BUCKET IN IBM OBJECT STORAGE.



The screenshot shows the IBM Cloud Object Storage console. The left sidebar contains navigation links: Cloud Object Storage, Storage instances, Cloud Object Storage-5n, Buckets (selected), Integrations, Endpoints, Usage details, Service credentials, Connections, and Plan. The main area is titled 'Buckets' and includes a search bar, a 'Create bucket' button, and a table of existing buckets.

Name	Public access ⓘ	Location ⓘ	Storage class	Created
newsbot	Yes	jp-tok	Smart Tier	2022-11-04 8:41 PM

**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

Storage / Cloud Object Storage-5n / newsbot

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
t... pg		26.1 KB	2022-11-04 8:44 PM
t... pg		20.6 KB	2022-11-04 8:45 PM
t... pg		15.8 KB	2022-11-04 8:45 PM
t... pg		16.3 KB	2022-11-04 8:45 PM
t... pg		17.3 KB	2022-11-04 8:45 PM

[Drag and drop files \(objects\) here or click to upload](#)

74°F Cloudy

20:45 04-11-2022

Cloud Object Storage - IBM Cloud

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 policies

Public access

Warning: 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](#).

Create access policy

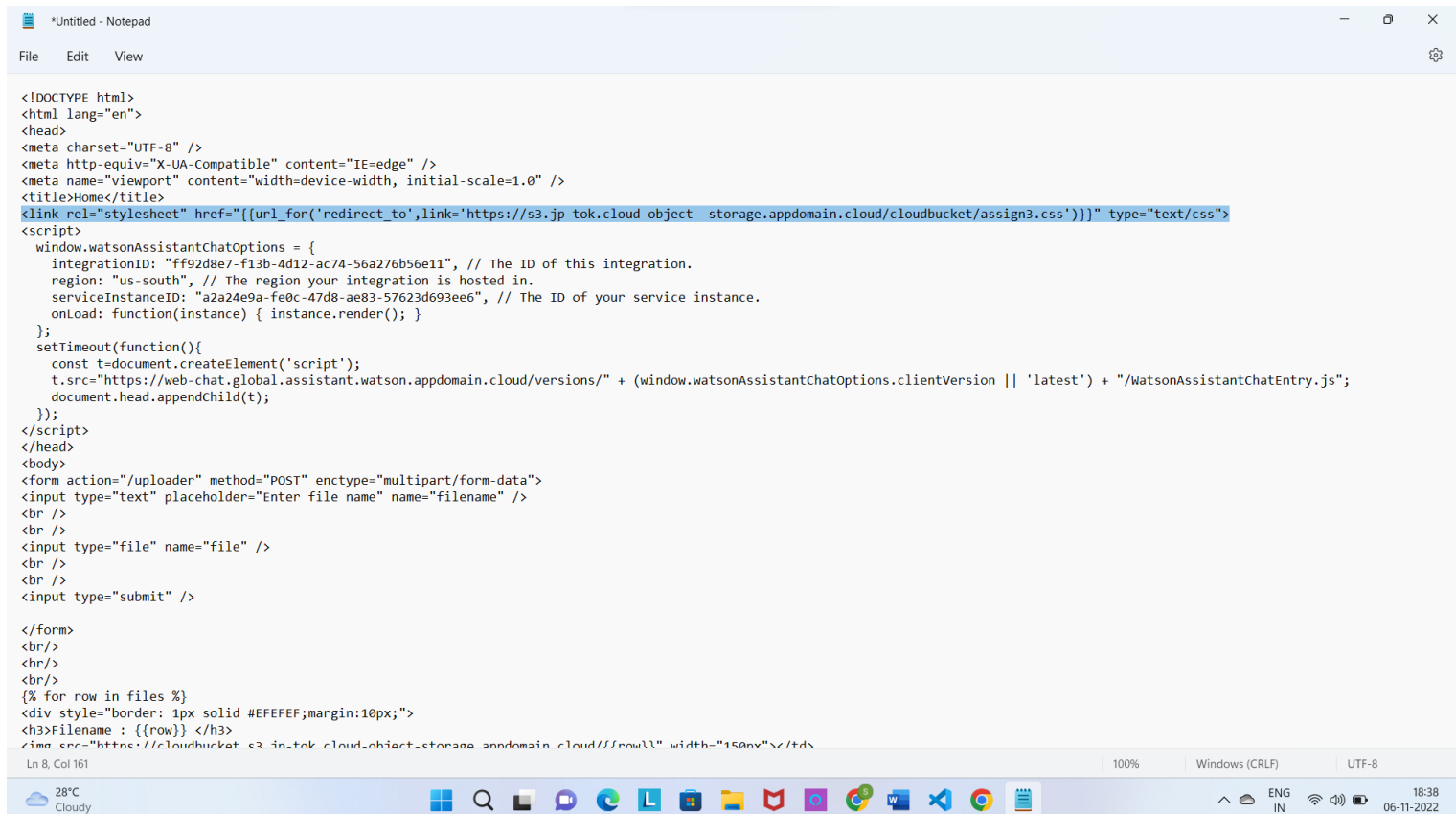
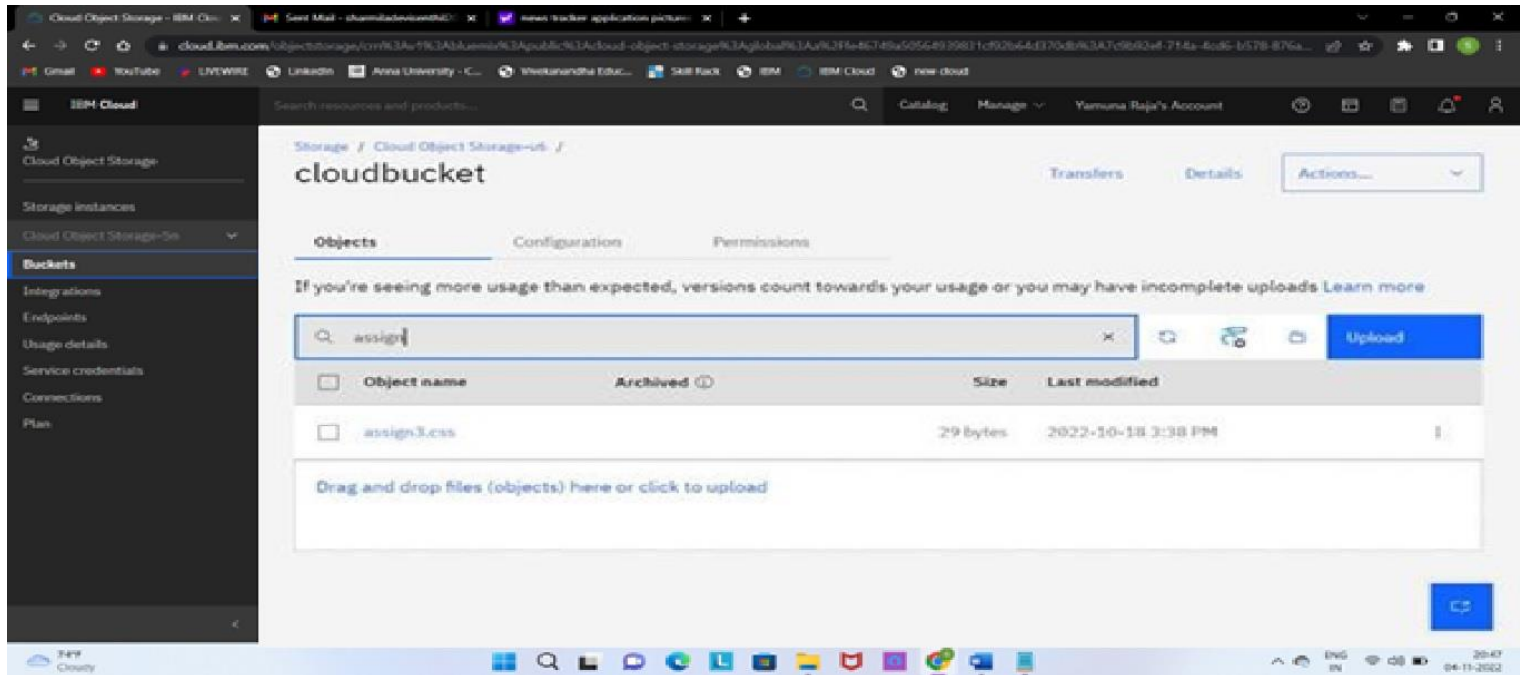
Context-based restrictions

Firewall (legacy)

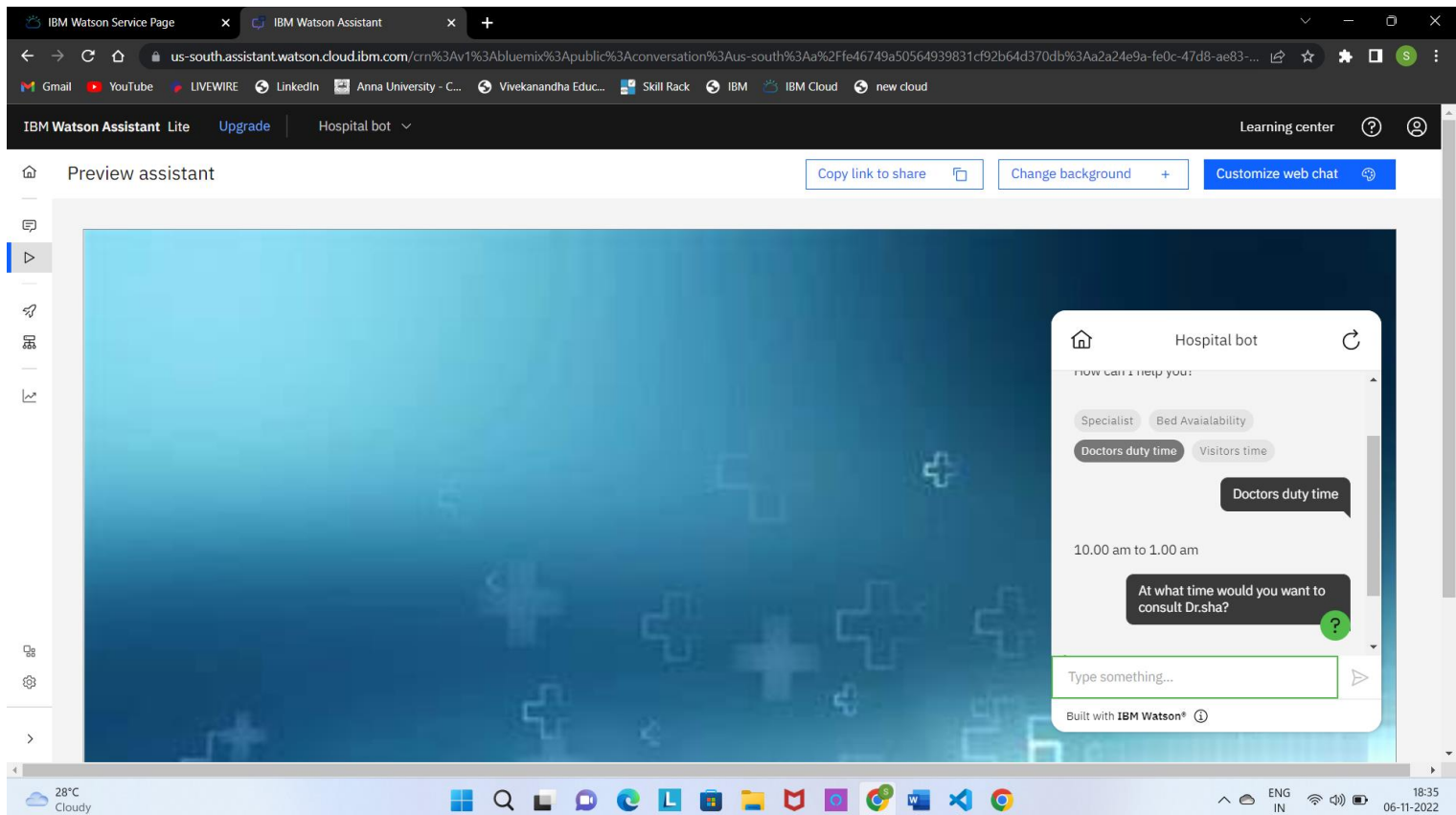
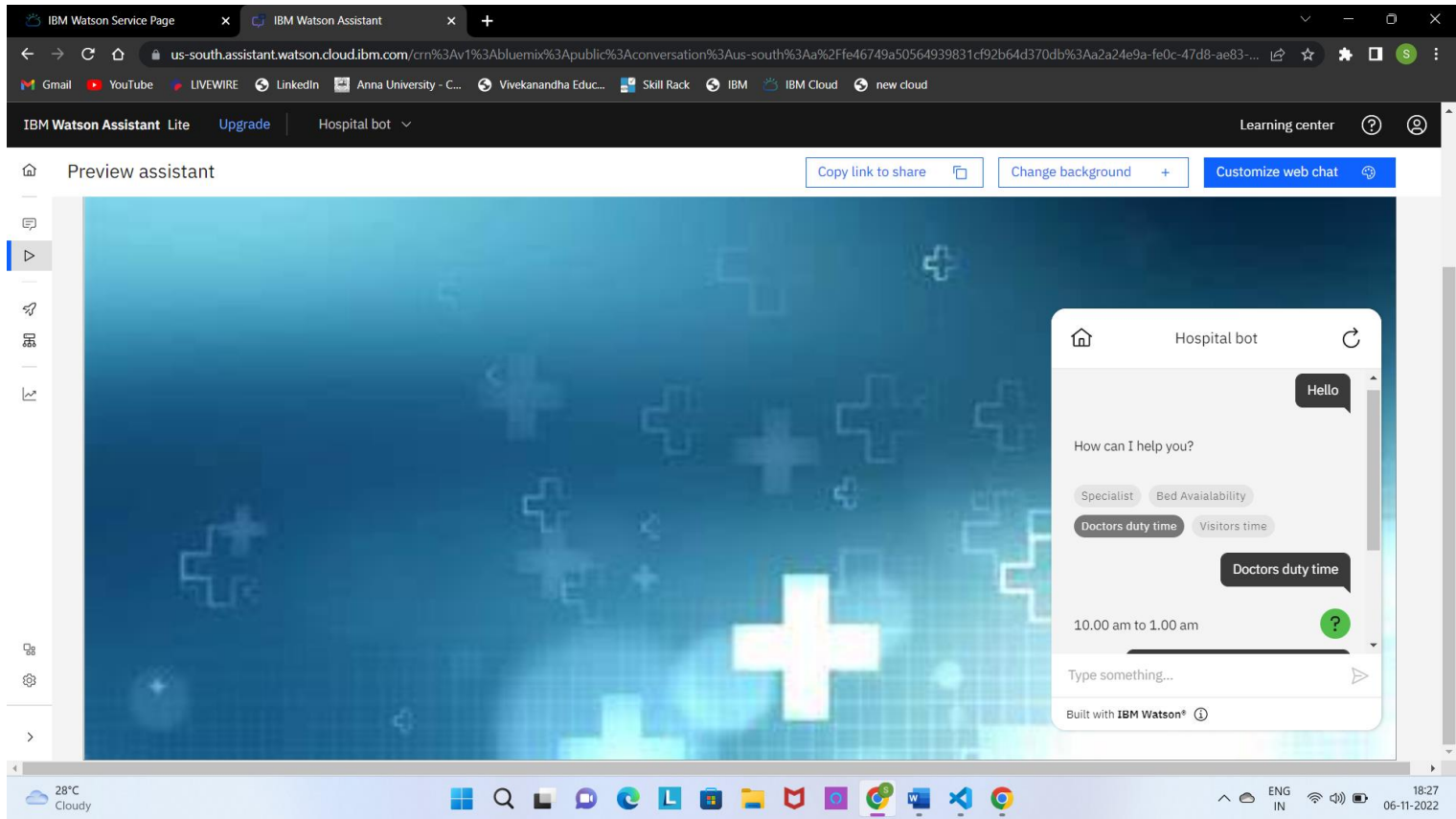
74°F Cloudy

20:47 04-11-2022

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-a2a24e9a-fe0c-47d8-ae83-57623d693ee6%3A%3Aee31b223-c911-4e57-b1c0-5e6a4aa08f5d&integrationID=ff92d8e7-f13b-4d12-ac74-56a276b56e11®ion=us-south&serviceInstanceID=a2a24e9a-fe0c-47d8-ae83-57623d693ee6>

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

The screenshot displays the IBM Watson Assistant console interface. The top navigation bar includes the IBM Watson Assistant logo, a 'Hospital bot' dropdown, and a 'Learning center' link. The main workspace is divided into three panels:

- Left Panel (Steps):** A list of 10 steps in a workflow. Step 10 is highlighted, showing a condition 'Doctors duty time' and a response '4.00 pm to 8.00 pm'. A 'New step +' button is at the bottom.
- Center Panel (Configuration):** A detailed view of the selected step. It shows a condition group 'New condition group +' and a response '4.00 pm to 8.00 pm'. Below this, there are options to 'Edit response' and 'Edit validation'. The 'And then' section shows 'End the action'.
- Right Panel (Preview):** A preview of the chat interface. It shows a 'Greet customer [default]' action with a response 'Welcome, how can I assist you?'. Below this, there are buttons for 'Specialist', 'Bed Availability', 'Doctors duty time', and 'Visitors time'. A 'Hello' button is also visible.

The bottom of the screen shows a Windows taskbar with various application icons and a system tray displaying the date and time (06-11-2022, 18:15).

Included 3 conditions in steps:

This screenshot shows the IBM Watson Assistant configuration interface for a "Hospital bot". The left sidebar displays a list of conversation steps. Step 2 is highlighted, showing a condition "1 is Specialist" and a response "This step has no content". The main panel shows the configuration for Step 2, which is "with conditions". The conditions are defined as "If All of this is true: 1. How can I help yo... is Specialist". The assistant's response is "For example: What type of transfer would you like to make?".

IBM Watson Assistant Lite Upgrade Hospital bot Learning center

Hello

Conversation steps

1 How can I help you? Specialist Bed Avaialab... + 2

2 This step has no content Pediatrician ENT + 1

3 13 beds are available Number

1 is Doctors duty time

New step +

Step 2 is taken with conditions

Conditions 1 condition

If All of this is true:

1. How can I help yo... is Specialist

and Add condition +

New condition group +

Assistant says

B I % & </>

For example: What type of transfer would you like to make?

Preview

This screenshot shows the IBM Watson Assistant configuration interface for a "Hospital bot". The left sidebar displays a list of conversation steps. Step 3 is highlighted, showing a condition "1 is Bed Avaialability" and a response "13 beds are available". The main panel shows the configuration for Step 3, which is "with conditions". The conditions are defined as "If All of this is true: 1. How can I help yo... is Bed Avaialability". The assistant's response is "13 beds are available".

IBM Watson Assistant Lite Upgrade Hospital bot Learning center

Hello

Conversation steps

1 How can I help you? Specialist Bed Avaialab... + 2

2 This step has no content Pediatrician ENT + 1

3 13 beds are available Number

1 is Doctors duty time

4 10.00 am to 1.00 am Number

1 is Visitors time

New step +

Step 3 is taken with conditions

Conditions 1 condition

If All of this is true:

1. How can I help yo... is Bed Avaialability

and Add condition +

New condition group +

Assistant says

B I % & </>

13 beds are available

Preview

User enters a number

Re-ask previous step(s)

1 is Bed Availability

13 beds are available

3

Continue to next step

1 is Doctors duty time

10.00 am to 1.00 am

4

Continue to next step

1 is Visitors time

4.00 pm to 6.00 pm

5

Continue to next step

Which doctor would you want to consult?

New step +

Step 4 is taken with conditions

Conditions 1 condition

If All of this is true:

1. How can I help yo... is Doctors duty time

and Add condition +

New condition group +

Assistant says

10.00 am to 1.00 am

User enters a number

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-object-storage.appdomain.cloud/cloudbucket/assign3.css') }}" type="text/css">
<script>
    window.watsonAssistantChatOptions = {
        integrationID: "ff92d8e7-f13b-4d12-ac74-56a276b56e11", // The ID of this integration.
        region: "us-south", // The region your integration is hosted in.
        serviceInstanceID: "a2a24e9a-fe0c-47d8-ae83-57623d693ee6", // 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__)
```

```
@app.route('/')
```

```
def index():
```

```
try:
```

```
    files = cos.Bucket('cloudbucket').objects.all()
```

```
    files_names = []
```

```
    for file in files:
```

```
        files_names.append(file.key)
```

```
    print(files)
```

```
    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)
```