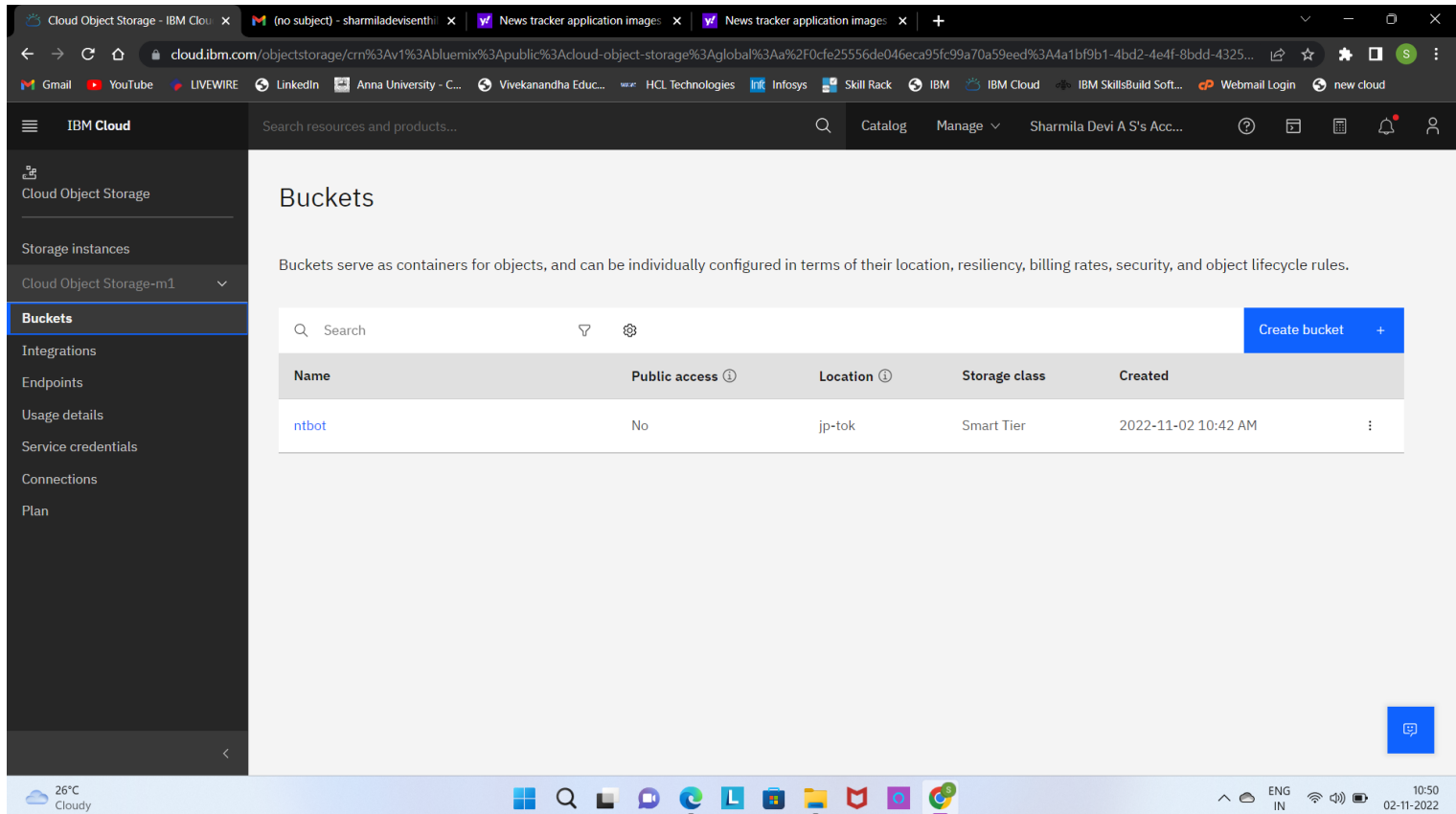


Assignment-3

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-m1, Buckets (selected), Integrations, Endpoints, Usage details, Service credentials, Connections, and Plan. The main content area is titled 'Buckets' and includes a description: 'Buckets serve as containers for objects, and can be individually configured in terms of their location, resiliency, billing rates, security, and object lifecycle rules.' Below this is a table of buckets with columns: Name, Public access, Location, Storage class, and Created. A 'Create bucket' button is in the top right of the table area.

Name	Public access	Location	Storage class	Created
ntbot	No	jp-tok	Smart Tier	2022-11-02 10:42 AM

**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

Cloud Object Storage

Storage instances

Cloud Object Storage-m1

Buckets

Integrations

Endpoints

Usage details

Service credentials

Connections

Plan

Search resources and products...

Storage / Cloud Object Storage-m1 / ntbot

TransfersDetailsActions...

ObjectsConfigurationPermissions

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

Prefix filter

Object name

Archived ⓘ

Size

Last modified

L... pg

20.6 KB

2022-11-02 10:48 AM

L... pg

26.1 KB

2022-11-02 10:49 AM

L... pg

22.0 KB

2022-11-02 10:49 AM

L... pg

10.3 KB

2022-11-02 10:49 AM

L... pg

37.5 KB

2022-11-02 10:49 AM

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

Upload

Cloud Object Storage - IBM Cloud

Cloud Object Storage

Storage instances

Cloud Object Storage-m1

Buckets

Integrations

Endpoints

Usage details

Service credentials

Connections

Plan

Search resources and products...

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

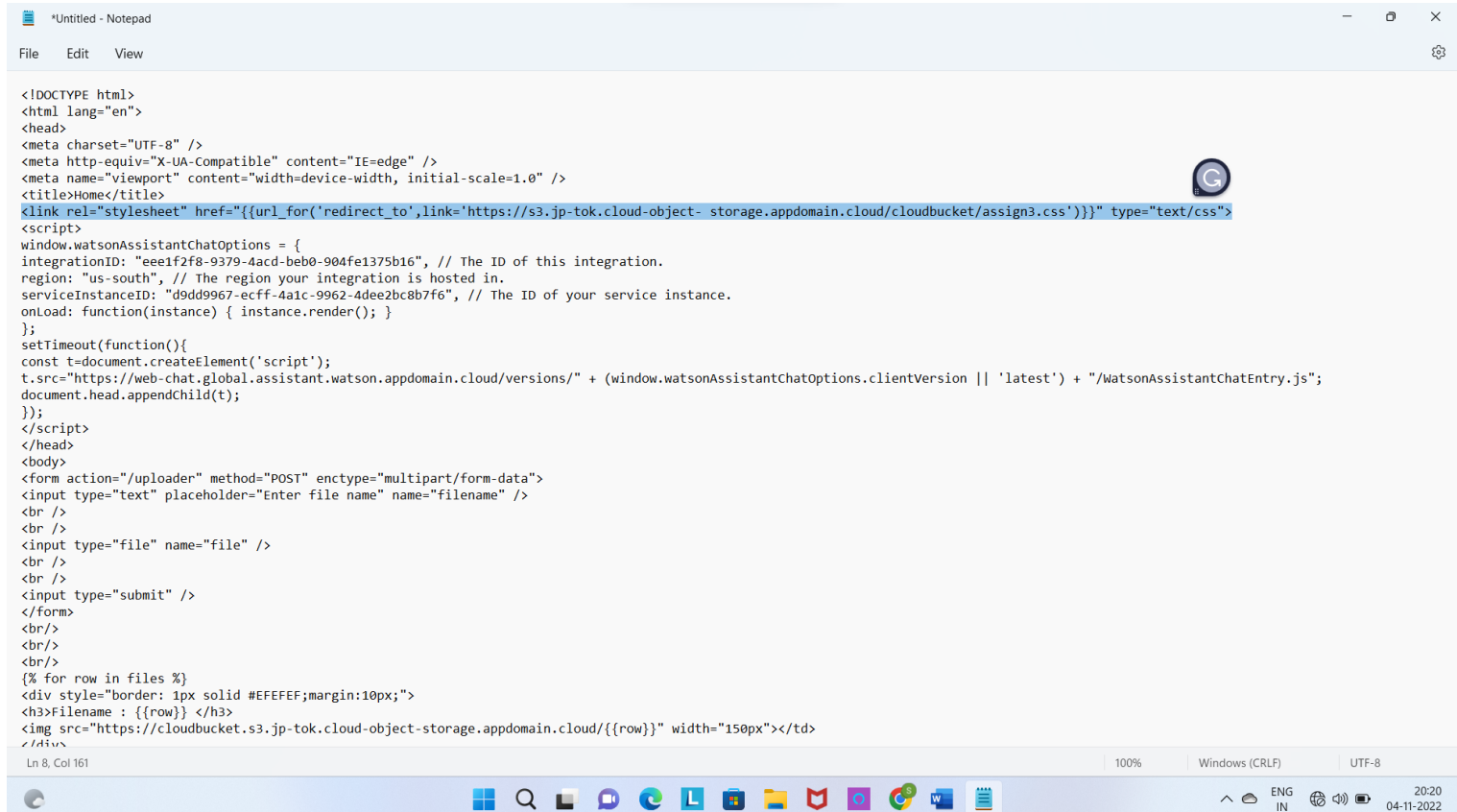
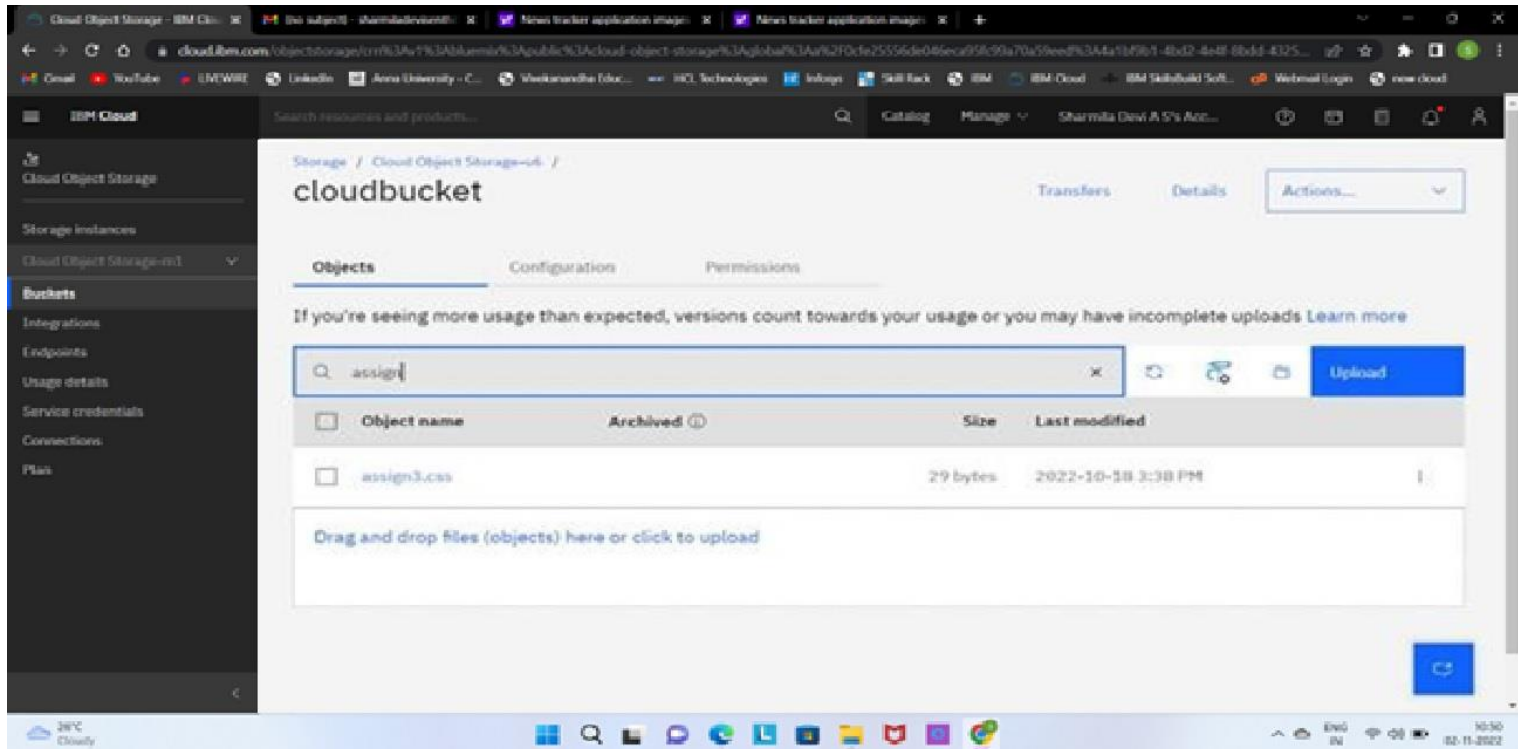
To delete/edit go to the [IAM console](#).

Create access policy

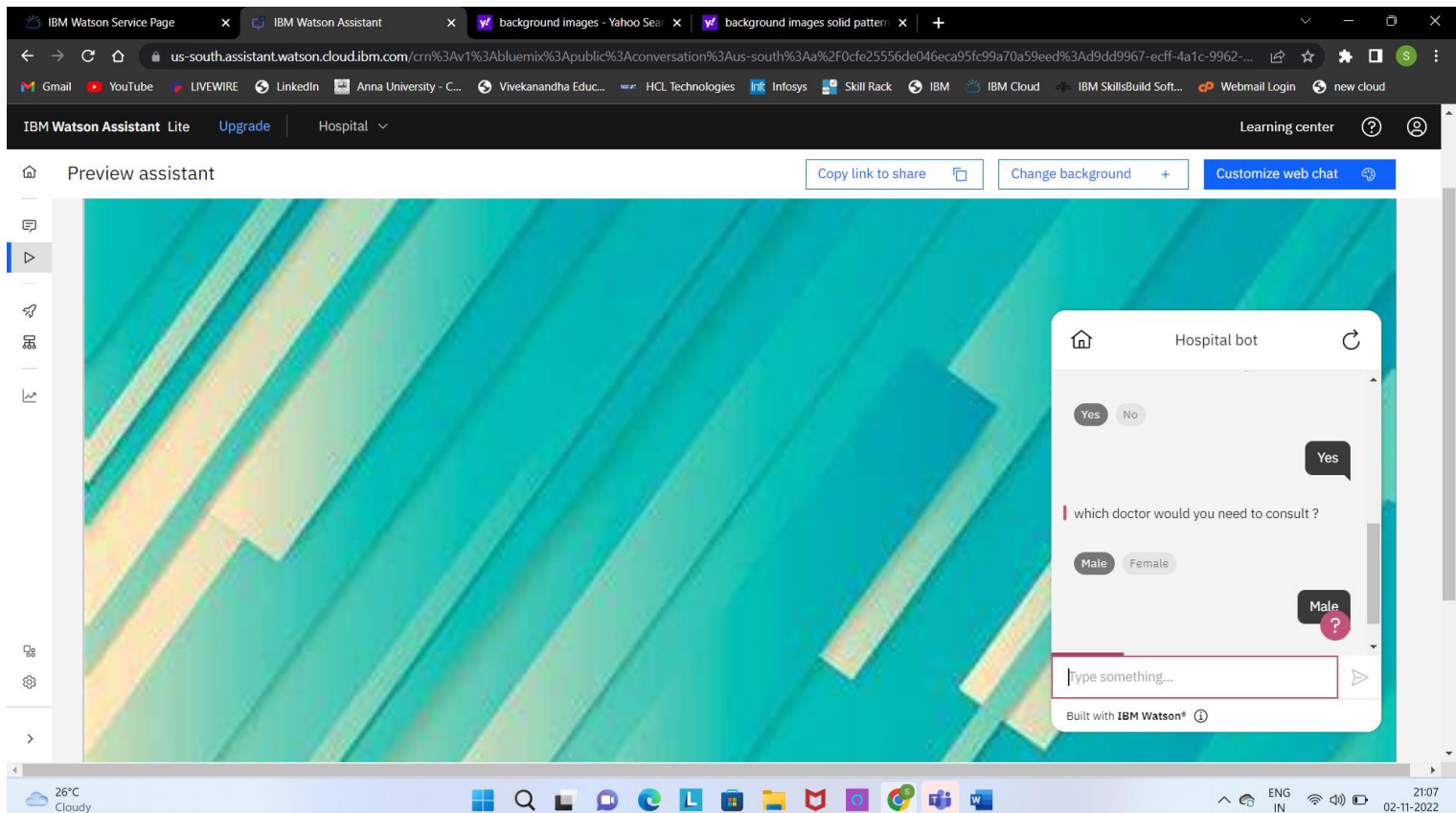
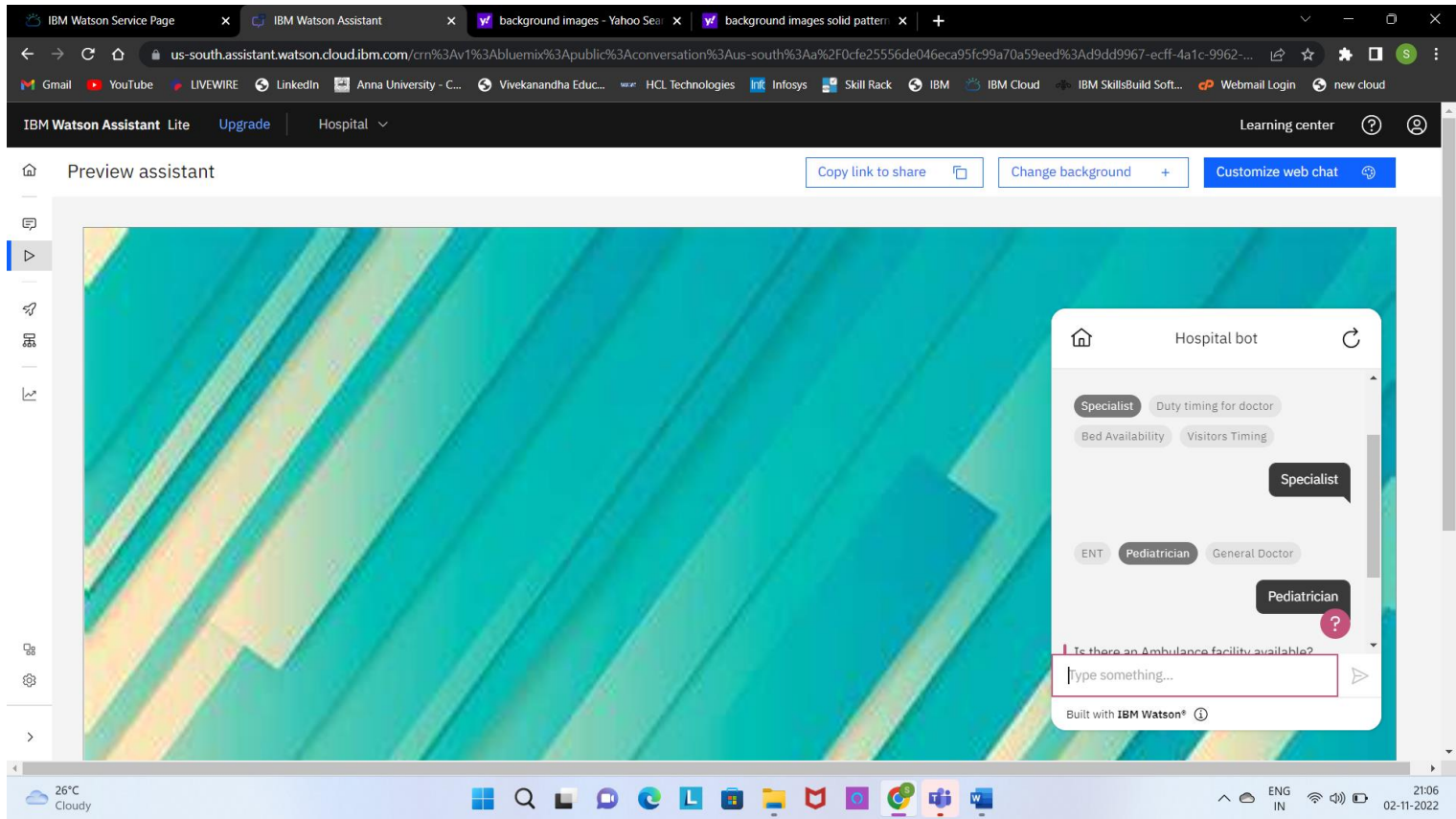
Context-based restrictions

Firewall (legacy)

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-d9dd9967-ecff-4a1c-9962-4dee2bc8b7f6%3A%3A83ae93e2-2612-41d0-b418-3cf32de165f5&integrationID=eee1f2f8-9379-4acd-beb0-904fe1375b16®ion=us-south&serviceInstanceID=d9dd9967-ecff-4a1c-9962-4dee2bc8b7f6>

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 logo, 'IBM Watson Assistant Lite', an 'Upgrade' button, and a dropdown menu for 'Hospital'. The main content area is divided into three sections:

- Left Panel (Steps):** A list of 10 steps. Steps 7, 8, and 9 are expanded. Step 7 asks 'Which doctor would you need to consult?' with 'Male' and 'Female' buttons. Step 8 asks '7 is Male' and has 'Dr.shan' and 'Dr.raja' buttons. Step 9 asks '7 is Female' and has 'Dr.sha', 'Dr.yam', and '+ 2' buttons. Step 10 is highlighted and shows the action 'Helpline Number of a hospital?' with a 'Number' input field and 'Action complete' status.
- Center Panel (Step 10 Configuration):** Shows the configuration for Step 10. It indicates 'Step 10 is taken without conditions'. The 'Assistant says' section contains the text 'Helpline Number of a hospital?'. Below this, there are buttons for 'Edit response' and 'Edit validation'. The 'And then' section shows the action 'End the action'.
- Right Panel (Preview):** A preview of the chat interface. It shows a 'Greet customer [default]' action followed by the text 'Welcome, how can I assist you?'. At the bottom, there is a 'Save your action.' warning and a 'Type something...' input field.

The bottom of the screen shows a Windows taskbar with various application icons, a system tray with weather information (26°C, Raining now), and the date/time (12:42, 02-11-2022).

Included 3 conditions in steps:

The screenshot shows the IBM Watson Assistant interface. On the left, a list of steps is visible. Step 8 is highlighted, showing a condition: "7 is Male". The main area displays the configuration for Step 8, which is titled "Step 8 is taken with conditions". The conditions section shows a single condition: "If All of this is true: 7. Which doctor wo... is Male". The Assistant says section shows a text input field with the placeholder text "For example: What type of transfer would you like to make?". A "Preview" button is visible in the bottom right corner.

The screenshot shows the IBM Watson Assistant interface. On the left, a list of steps is visible. Step 7 is highlighted, showing a condition: "7 is Male". The main area displays the configuration for Step 7, which is titled "Step 7 is taken without conditions". The Assistant says section shows a text input field with the placeholder text "Which doctor would you need to consult?". Below the input field, there are buttons for "Male" and "Female". The "Edit response" and "Edit validation" buttons are also visible. A "Preview" button is visible in the bottom right corner.

IBM Watson Assistant Lite Upgrade Hospital

Learning center

Welcome

Continue to next step

1 is Specialist

This step has no content

2

ENT Pediatrician +2

Continue to next step

1 is Duty timing for doctor

10.00 am to 1.00 pm

3

Time

Continue to next step

1 is Bed Availability

25

4

Number

Continue to next step

1 is Visitors Timing

New step +

Step 3 is taken with conditions

fx

Conditions

1 condition

If All of this is true:

1. How can I help yo... is Duty timing for doctor

and Add condition +

New condition group +

Assistant says

B I [icons]

10.00 am to 1.00 pm

Preview

User enters a time-based value

26°C Raining now

[taskbar icons]

ENG IN 12:43 02-11-2022

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: "eee1f2f8-9379-4acd-beb0-904fe1375b16", // The ID of this integration.
region: "us-south", // The region your integration is hosted in.
serviceInstanceID: "d9dd9967-ecff-4a1c-9962-4dee2bc8b7f6", // 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(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)
```