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Roll No	SSNCE195001023
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Team ID	PNT2022TMID53036
Project Name	Project - Personal Expense Tracker

Assignment - 3

Object Storage and Watson Chat Bot

Question

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.
3. Upload a css page to the object storage and use the same page in your HTML code.
4. Design a chatbot using IBM Watson assistant for hospital. Ex: User comes with query to know the branches for that hospital in your city. Submit the web URL of that chat bot as a assignment.
5. Create Watson assistant service with 10 steps and use 3 conditions in it. Load that script in HTML page.

Solutions

1. Create a Bucket in IBM object storage

- Create a object storage from the catalog in IBM Cloud
- Create a new bucket in the object storage
- An unique name should be given to new bucket

IBM Cloud

Cloud Object Storage

Storage Instances

Cloud Object Storage-fz

Buckets

Integrations

Endpoints

Usage details

Service credentials

Connections

Plan

Search resources and products...

Catalog

Manage

Aravindan S's Account

Buckets

Buckets serve as containers for objects, and can be individually configured in terms of their location, resiliency, billing rates, security, and object lifecycle rules.

Search

Create bucket

Name	Public access	Location	Storage class	Created
ibm-assignment03	Yes	jp-tok	Smart Tier	2022-10-31 3:08 PM

Type here to search

26°C Cloudy 05:32 PM 31-10-2022

IBM Cloud

Cloud Object Storage

Storage Instances

Cloud Object Storage-fz

Buckets

Integrations

Endpoints

Usage details

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Plan

Search resources and products...

Catalog

Manage

Aravindan S's Account

Storage / Cloud Object Storage-fz /

ibm-assignment03

Transfers

Details

Actions...

Objects

Configuration

Permissions

Warning: All objects in this bucket have public view access.

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
hel...css		162 bytes	2022-10-31 5:12 PM
im...jpg		366.6 KB	2022-10-31 3:22 PM
im...jpg		4.2 KB	2022-10-31 3:23 PM
im...jpg		10.7 KB	2022-10-31 3:23 PM
im...jpg		6.7 KB	2022-10-31 3:23 PM
im...jpg		6.7 KB	2022-10-31 3:23 PM

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

Type here to search

26°C Cloudy 05:33 PM 31-10-2022

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

Adding 5 images

The screenshot shows the IBM Cloud Object Storage console. The left sidebar contains navigation links: IBM Cloud, Cloud Object Storage, Storage Instances, Buckets, Integrations, Endpoints, Usage details, Service credentials, Connections, and Plan. The main content area is titled 'Storage / Cloud Object Storage - fz / ibm-assignment03'. It has tabs for 'Objects', 'Configuration', and 'Permissions'. A warning message states: 'Warning: All objects in this bucket have public view access.' Below this, a message says: 'If you're seeing more usage than expected, versions count towards your usage or you may have incomplete uploads Learn more'. A table lists the objects in the bucket:

Object name	Archived	Size	Last modified
hel.....css		162 bytes	2022-10-31 5:12 PM
im..jpg		366.6 KB	2022-10-31 3:22 PM
im..jpg		4.2 KB	2022-10-31 3:23 PM
im..jpg		10.7 KB	2022-10-31 3:23 PM
im..jpg		6.7 KB	2022-10-31 3:23 PM
im..jpg		6.7 KB	2022-10-31 3:23 PM

Below the table is a dashed box with the text: 'Drag and drop files (objects) here or click to upload'. An 'Upload' button is in the top right corner of the table area. The bottom of the screen shows a Windows taskbar with the search bar, task icons, and system tray information (26°C Cloudy, 05:32 PM, 31-10-2022).

Making it to public

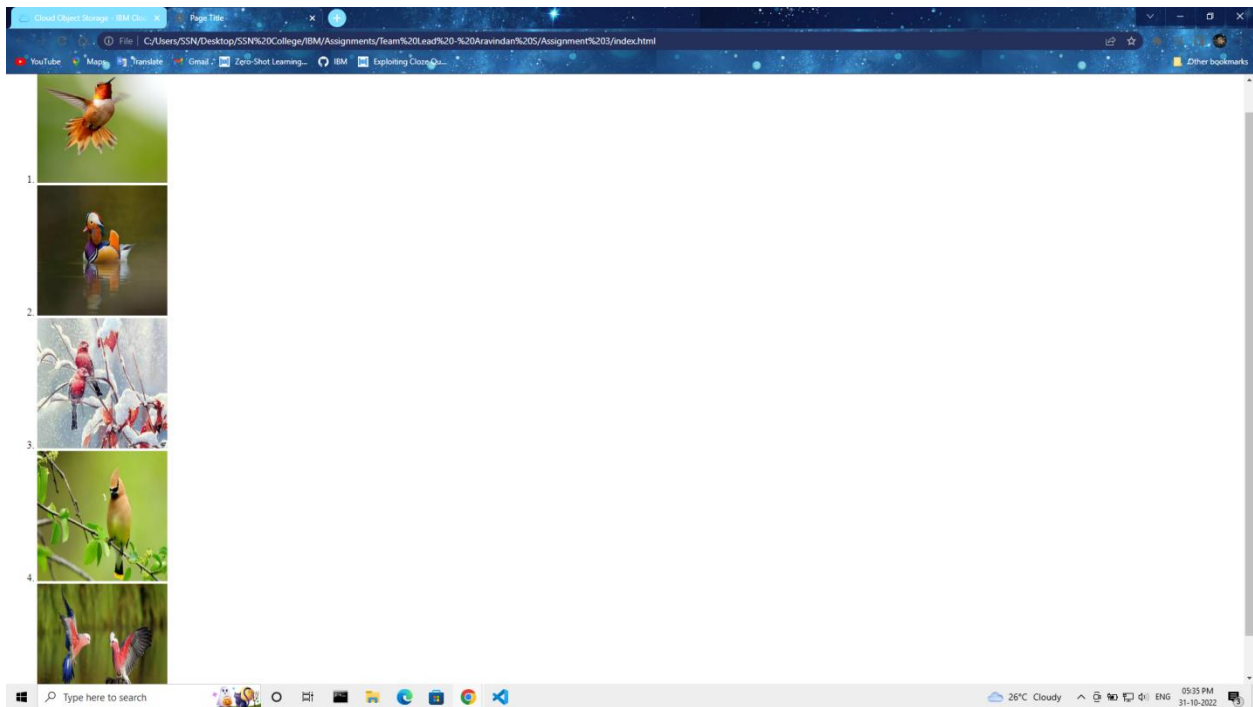
The screenshot shows the IBM Cloud console interface. On the left is a sidebar with navigation links: Cloud Object Storage, Storage Instances, Cloud Object Storage-fz, Buckets, Integrations, Endpoints, Usage details, Service credentials, Connections, and Plan. The main content area is titled 'Storage / Cloud Object Storage-fz / ibm-assignment03'. Below the title are tabs for 'Objects', 'Configuration', and 'Permissions', with 'Permissions' being the active tab. The section is titled 'Bucket access policies' and includes a sub-header '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.'

Under 'Access policies', the 'Public access' policy is expanded. A warning message is shown: 'Warning: Granting Public access to this bucket will allow anyone to access the bucket. To revoke public access, remove the "Public access" policy from this bucket within Access groups.' Below the warning, the status is 'Enabled' and the role for this bucket is 'Content Reader'. A description states: 'As a Content Reader, one can read and list objects in the bucket.' A 'Create access policy' button is visible. Other policy categories like 'Context-based restrictions' and 'Firewall (legacy)' are also listed.

The bottom of the screen shows a Windows taskbar with a search bar, application icons, and system tray information including temperature (26°C), weather (Cloudy), and time (05:33 PM, 31-10-2022).

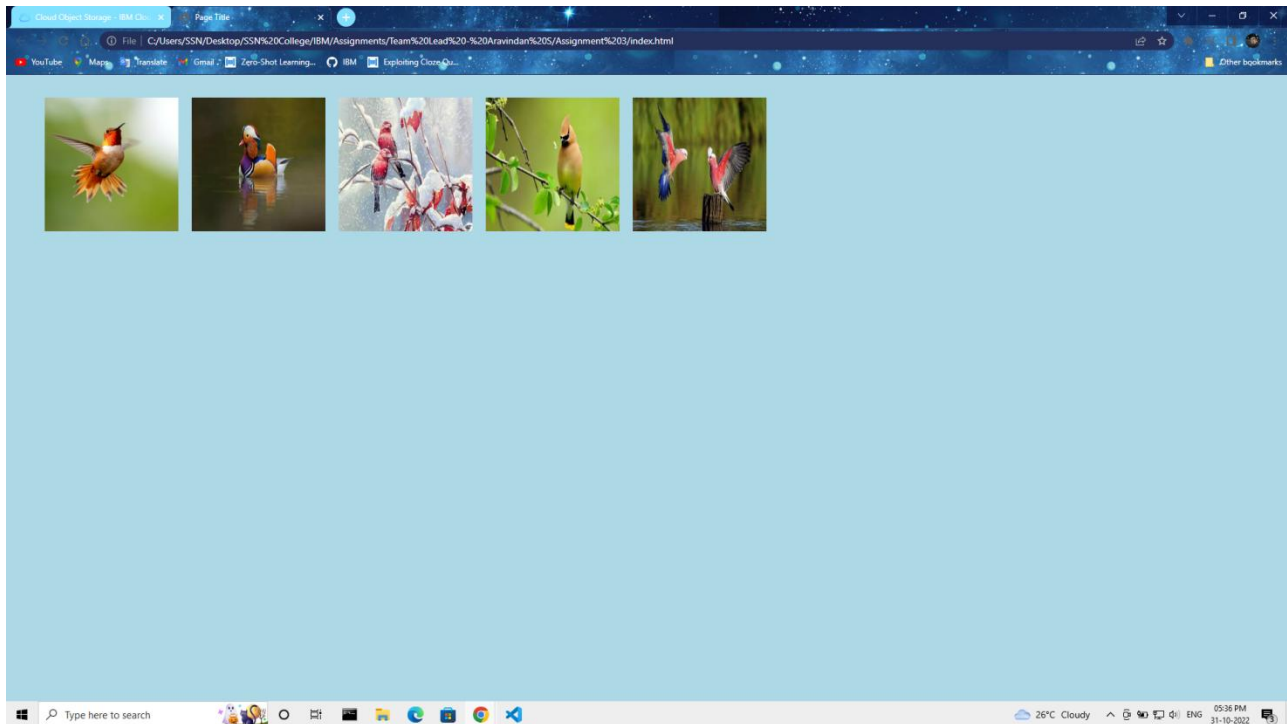
Display the 5 images obtained from my newly created bucket

```
index.html x | helper1.css
index.html > @ head > @ head > @ head
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Page Title</title>
5 <link
6   rel="stylesheet"
7 >
8 </head>
9 <body>
10 <ol id="populate"></ol>
11 <script>
12   var list = ["img1", "img2", "img3", "img4", "img5"];
13   var url = "http://s3.jp-tok.cloud-object-storage.appdomain.cloud/ibm-assignment03/";
14   var arrayLength = list.length;
15   var UL = document.getElementById("populate");
16   for (var i = 0; i < arrayLength; i++) {
17     var li = document.createElement("li");
18     var img = document.createElement("img");
19     img.setAttribute("src", url + list[i] + ".jpg");
20     img.setAttribute("width", "200");
21     img.setAttribute("height", "200");
22     li.appendChild(img);
23     UL.appendChild(li);
24   }
25 </script>
26 </body>
27 </html>
```



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

Added css file in my bucket and use the css page in my above html



Code Files

index.html

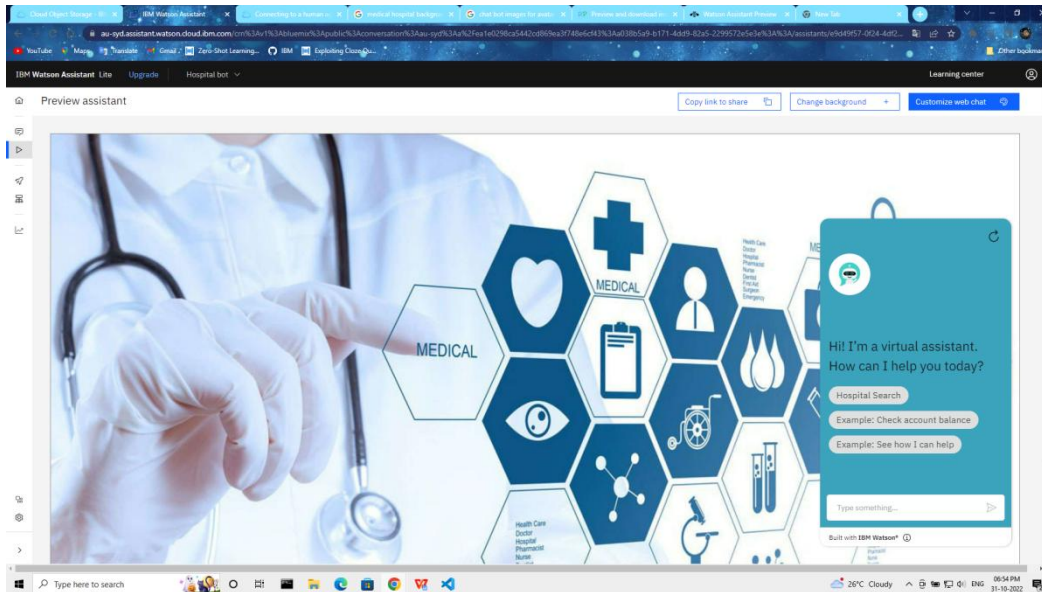
```
<!DOCTYPE html>
<html>
  <head>
    <title>Page Title</title>
    <link
      rel="stylesheet"
      href="http://s3.jp-tok.cloud-object-storage.appdomain.cloud/ibm-
assignment03/helper1.css"
    />
  </head>
  <body>
    <ol id="populate"></ol>
    <script>
      var list = ["img1", "img2", "img3", "img4", "img5"];
      var url = "http://s3.jp-tok.cloud-object-storage.appdomain.cloud/ibm-
assignment03/";
      var arrayLength = list.length;
      var UL = document.getElementById("populate");
      for (var i = 0; i < arrayLength; i++) {
        var li = document.createElement("li");
        var img = document.createElement("img");
        img.setAttribute("src", url + list[i] + ".jpg");
        img.setAttribute("width", "200");
        img.setAttribute("height", "200");
        li.appendChild(img);
        UL.appendChild(li);
      }
    </script>
```

```
</body>  
</html>
```

helper1.css

```
body {  
    display: -webkit-flex;  
    background-color: aqua;  
    display: flex;  
}  
  
li {  
    padding: 10px;  
    display: inline-block;  
}
```


4. Design a chatbot using IBM Watson assistant for hospital. Ex: User comes with a query to know the branches for that hospital in your city. Submit the web URL of that chat bot as an assignment.

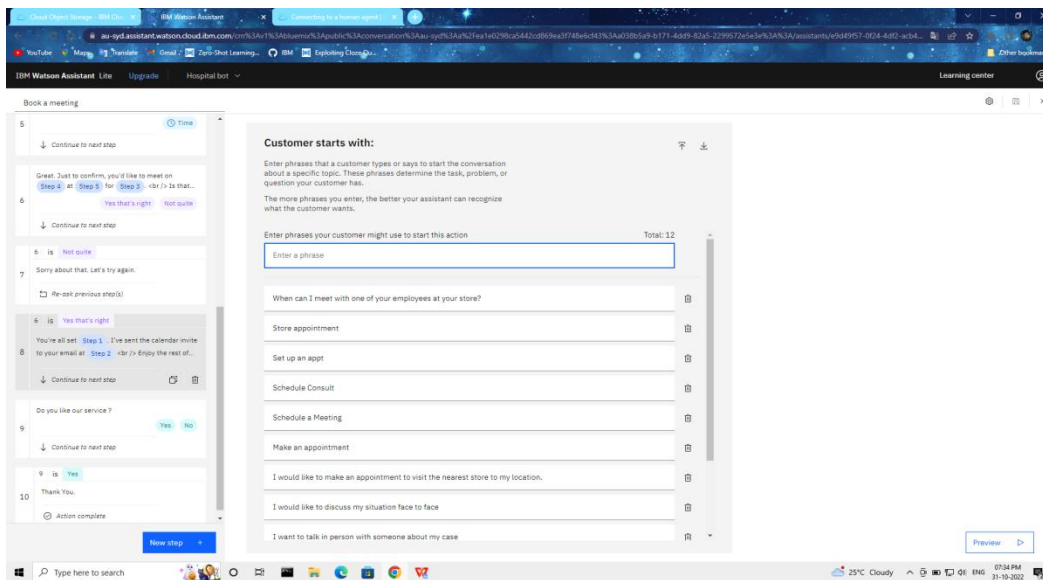
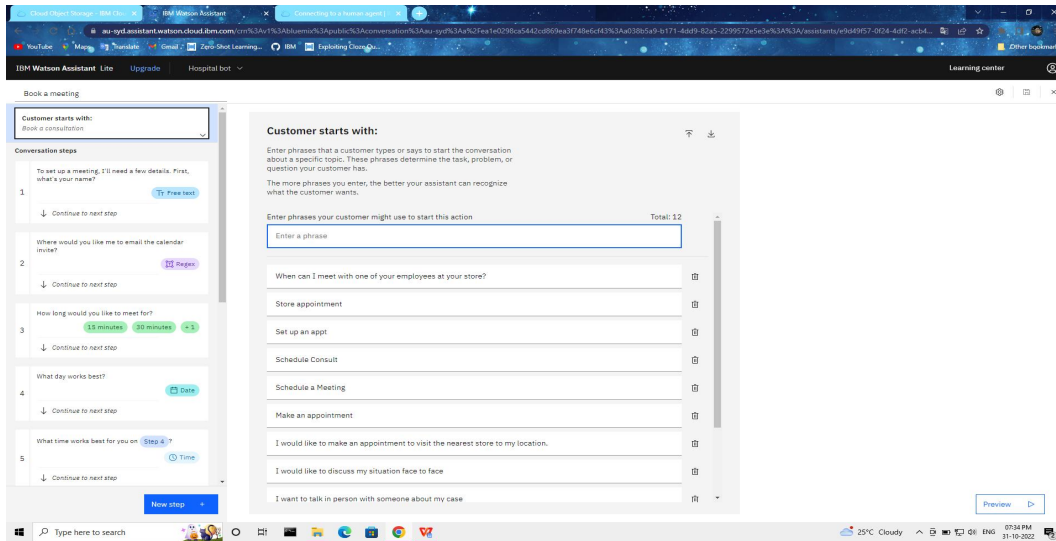


Web URL - [hospital chat bot](#)

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

Created a watson assistant service with 10 steps and used 3 conditions in it

Actions Screenshot



HTML page is created locally and loaded that script in the page

Page Screenshot



IBM Watson Service Page | IBM Watson Assistant | Hospital Chat Bot

file:///C:/Users/SSN/Desktop/SSN%20College/IBM/Assignments/Team%20Lead%20-%20Aravindan%20S/Assignment%203/chatbot.html

Chat Bot

The chat bot interface is overlaid on a background image of a doctor's hand with a stethoscope. A hexagonal menu contains icons for various medical services: a heart, a cross, a person, a clipboard, a wheel, a microscope, a virus, test tubes, a network, an eye, and a hexagon labeled 'MEDICAL'. A list of services is provided: Health Care, Doctor, Hospital, Pharmacist, Nurse, Dentist, First Aid, Surgeon, and Emergency.

Hospital Chat Bot

Great. Just to confirm, you'd like to meet on Nov 11, 2022 at 11:00:00 AM for 30 minutes.

Is that correct?

☐ Yes that's right ☐ Not quite

☒ Yes that's right

You're all set **Aravindan S**. I've sent the calendar invite to your email at aravindan19023@cse.ssn.edu.in

Enjoy the rest of your day.

Do you like our service ?

☐ Yes ☐ No

Type something...

Built with IBM Watson®

Type here to search

Rain off and on 09:34 PM 31-10-2022

IBM Watson Service Page | IBM Watson Assistant | Hospital Chat Bot

file:///C:/Users/SSN/Desktop/SSN%20College/IBM/Assignments/Team%20Lead%20-%20Aravindan%20S/Assignment%203/chatbot.html

Chat Bot

The chat bot interface is overlaid on a background image of a doctor's hand with a stethoscope. A hexagonal menu contains icons for various medical services: a heart, a cross, a person, a clipboard, a wheel, a microscope, a virus, test tubes, a network, an eye, and a hexagon labeled 'MEDICAL'. A list of services is provided: Health Care, Doctor, Hospital, Pharmacist, Nurse, Dentist, First Aid, Surgeon, and Emergency.

Hospital Chat Bot

Is this correct?

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You're all set **Aravindan S**. I've sent the calendar invite to your email at aravindan19023@cse.ssn.edu.in

Enjoy the rest of your day.

Do you like our service ?

☐ Yes ☐ No

☒ Yes

Thank You.

Type something...

Built with IBM Watson®

Type here to search

Rain off and on 09:34 PM 31-10-2022

Chatbot.html :

```
<!DOCTYPE html>
<html>
  <head>
    <title>Hospital Chat Bot</title>
  </head>
  <body style="background-image: url('assets/back.jpg');">
    <h1>Chat Bot</h1>
    <script>
      window.watsonAssistantChatOptions = {
        integrationID: "3e66e50a-88b1-4f52-b8d1-87d273353458", // The ID of this
integration.
        region: "au-syd", // The region your integration is hosted in.
        serviceInstanceID: "a038b5a9-b171-4dd9-82a5-2299572e5e3e", // 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>
  </body>
</html>
```