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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

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.

Q Search

Create bucket +

Name	Public access ⓘ	Location ⓘ	Storage class	Created	
test-bucket-assignment-3	No	jp-tok	Smart Tier	2022-10-21 2:38 AM	:

Storage / Cloud Object Storage-on /

test-bucket-assignment-3

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](#)

Q Prefix filter

Upload

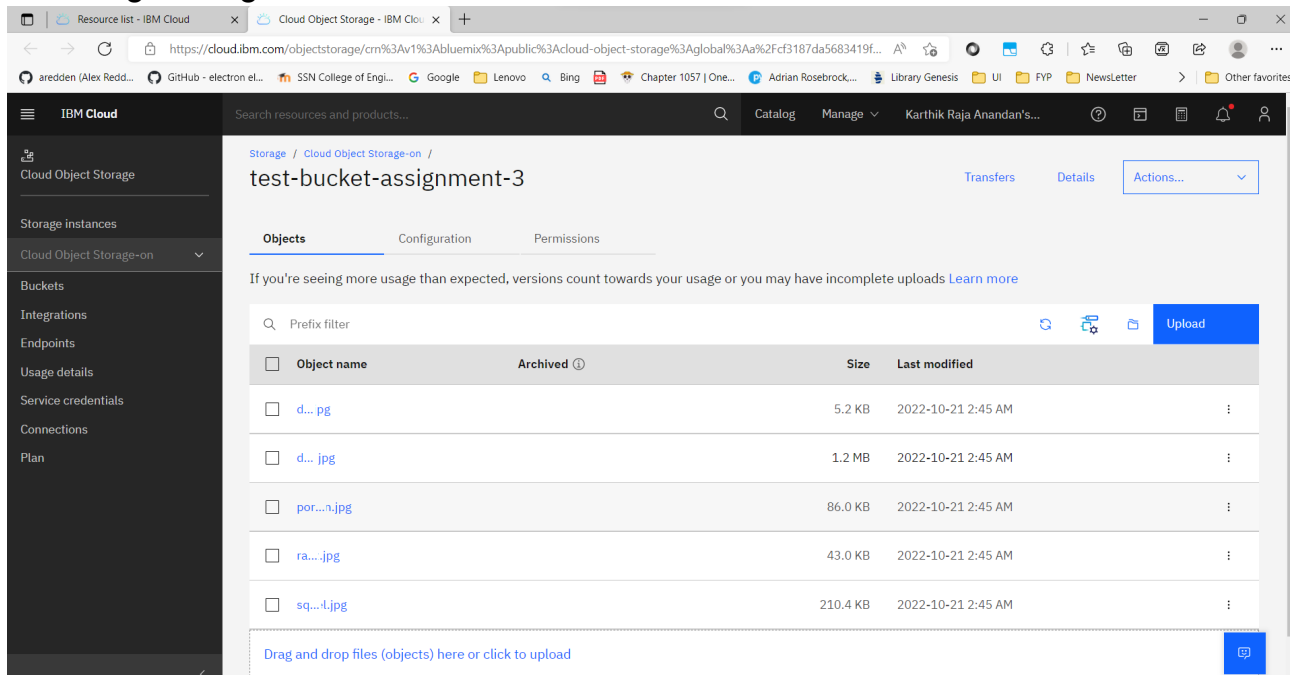
<input type="checkbox"/>	Object name	Archived ⓘ	Size	Last modified	
<input type="checkbox"/>	d... pg		5.2 KB	2022-10-21 2:45 AM	:
<input type="checkbox"/>	d... jpg		1.2 MB	2022-10-21 2:45 AM	:
<input type="checkbox"/>	por...a.jpg		86.0 KB	2022-10-21 2:45 AM	:
<input type="checkbox"/>	ra...jpg		43.0 KB	2022-10-21 2:45 AM	:
<input type="checkbox"/>	sq...l.jpg		210.4 KB	2022-10-21 2:45 AM	:

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



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, Cloud Object Storage-on, Buckets, Integrations, Endpoints, Usage details, Service credentials, Connections, and Plan. The main content area shows the bucket 'test-bucket-assignment-3' with tabs for Objects, Configuration, and Permissions. The Objects tab is active, displaying a table of uploaded files. The table has columns for Object name, Archived, Size, and Last modified. There are 5 objects listed, all with a size of 5.2 KB and a last modified date of 2022-10-21 2:45 AM. The objects are named d..., d..., por..., ra..., and sq...l.jpg. Below the table is a drag-and-drop area for uploading files.

Object name	Archived	Size	Last modified
d...		5.2 KB	2022-10-21 2:45 AM
d...		1.2 MB	2022-10-21 2:45 AM
por...		86.0 KB	2022-10-21 2:45 AM
ra...		43.0 KB	2022-10-21 2:45 AM
sq...l.jpg		210.4 KB	2022-10-21 2:45 AM

Making it to public

∨ **Access policies**

∧ **Public access**



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](#)

[Learn more](#)



Status: **Enabled**

Role for this bucket:

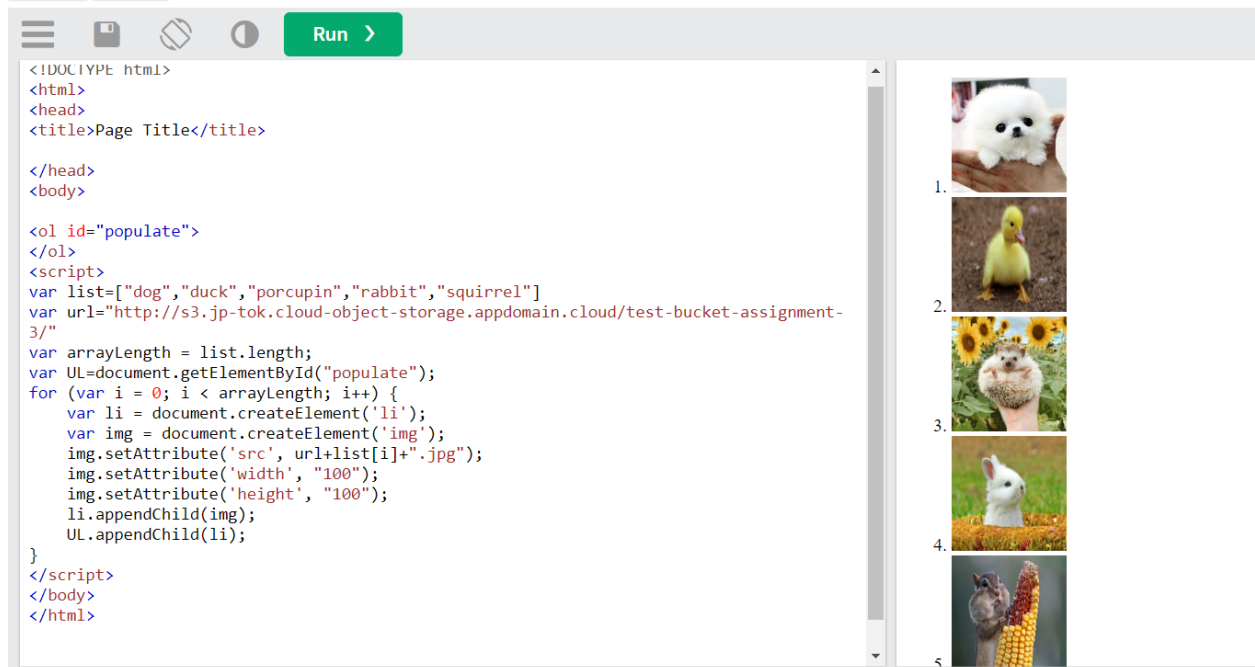
Content Reader



As a Content Reader, one can read and list objects in the bucket.

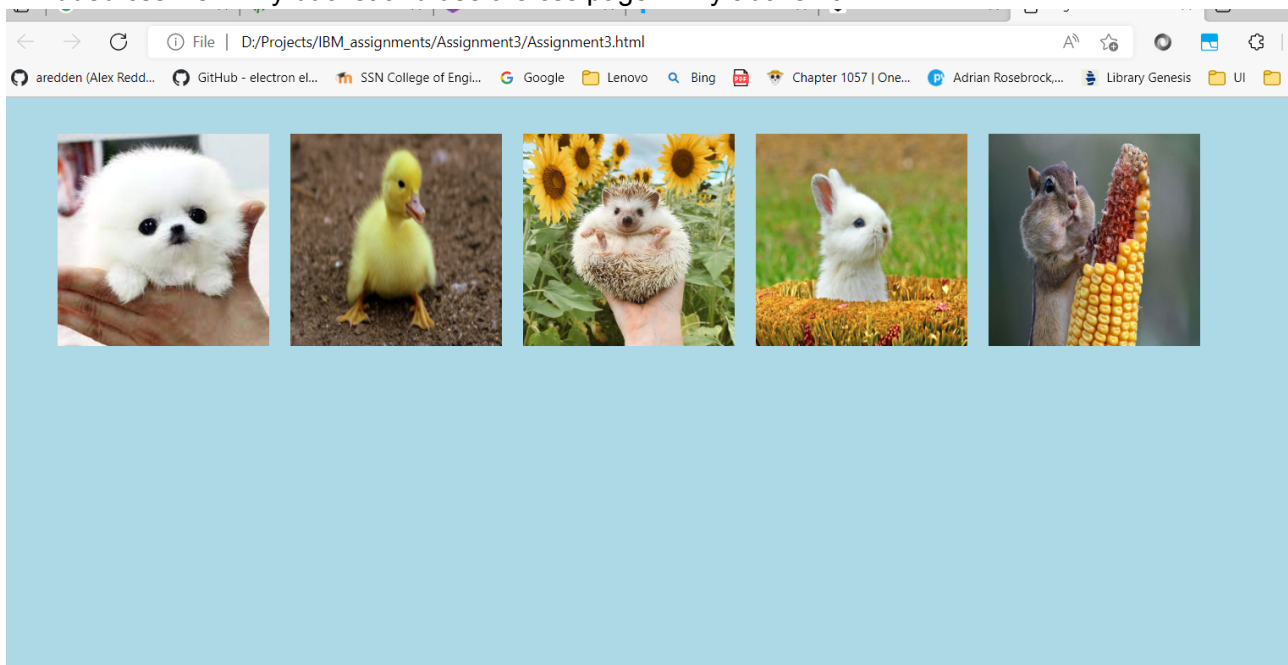
Create access policy

Display the 5 images obtained from my newly created bucket



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/test-bucket-as
      signment-3/helper1.css"
    />
  </head>
  <body>
    <ol id="populate"></ol>
    <script>
      var list = ["dog", "duck", "porcupin", "rabbit", "squirrel"];
      var url =
        "http://s3.jp-tok.cloud-object-storage.appdomain.cloud/test-bucket-assignm
        ent-3/";
      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: lightblue;  
  
  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 - [Watson Assistant 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

The screenshot displays the 'Actions' editor for a Watson Assistant service named 'Request store hours'. The editor is divided into two main panels: a list of steps on the left and a detailed view of the selected step on the right.

Left Panel (Steps List):

- Step 1:** 'Let me get that information for you. Do you know which store you'd like to visit?' with buttons for 'Yes', 'No', and '+ 1'. It includes a 'Continue to next step' button.
- Step 2:** 'Maybe you should consult the Number: 88192310 for more options.' with a 'Continue to next step' button.
- Step 3:** 'No problem! We can help you find the store closest to you. What's your zip code?' with a 'Regex' button and a 'Continue to next step' button.
- Step 4:** 'Thanks! Your closest store is in Hollywood.
 Our hours are 7am-6pm PST, Mondays through...' with an 'Action complete' checkbox.

Right Panel (Step 1 Detail):

- Step 1 is taken:** 'without conditions'.
- Assistant says:** A text area containing the message: 'Let me get that information for you. Do you know which store you'd like to visit?'.
- Buttons:** 'Yes', 'No', and 'Maybe'.
- Actions:** 'Edit response', 'Edit validation', and a 'Continue to next step' button.

Request store hours

6

is

Times Squa

,

SoHo

,

Williamsburg

7

Thanks! Our **Step 6** store hours are between 9am-3pm EST, Mondays through Saturdays.

Action complete

6

is

Hollywood

,

1

is

Yes

8

Thanks! Our **Step 6** store hours are between 7am-6pm PST, Mondays through Fridays.

Action complete

6

is

The Domain

,

1

is

Yes

9

Thanks! Our **Step 6** store hours are between 10am-6pm CST, Mondays through Thursdays.

Go to action: **Fallback**

10

Thanks for using our services

Action complete

New step +

1. Let me get that in...

is

No

x

and [Add condition +](#)

[New condition group +](#)

Assistant says

B I %& ☒ 🎵 📺 📺 </>

No problem! We can help you find the store closest to you. What's your **zip code**?

Assistant recognizes pattern in user's text

[Edit response](#) [Edit validation](#) ☒ ⚙️ ↺ 🗑️

And then

🔗 Go to another action

▼

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

Page Screenshot

