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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

IBM Cloud

Cloud Object Storage

Storage instances

Cloud Object Storage-m9

Buckets

Integrations

Endpoints

Usage details

Service credentials

Connections

Plan

Search resources and products...

CatalogManageKirunraj C'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.

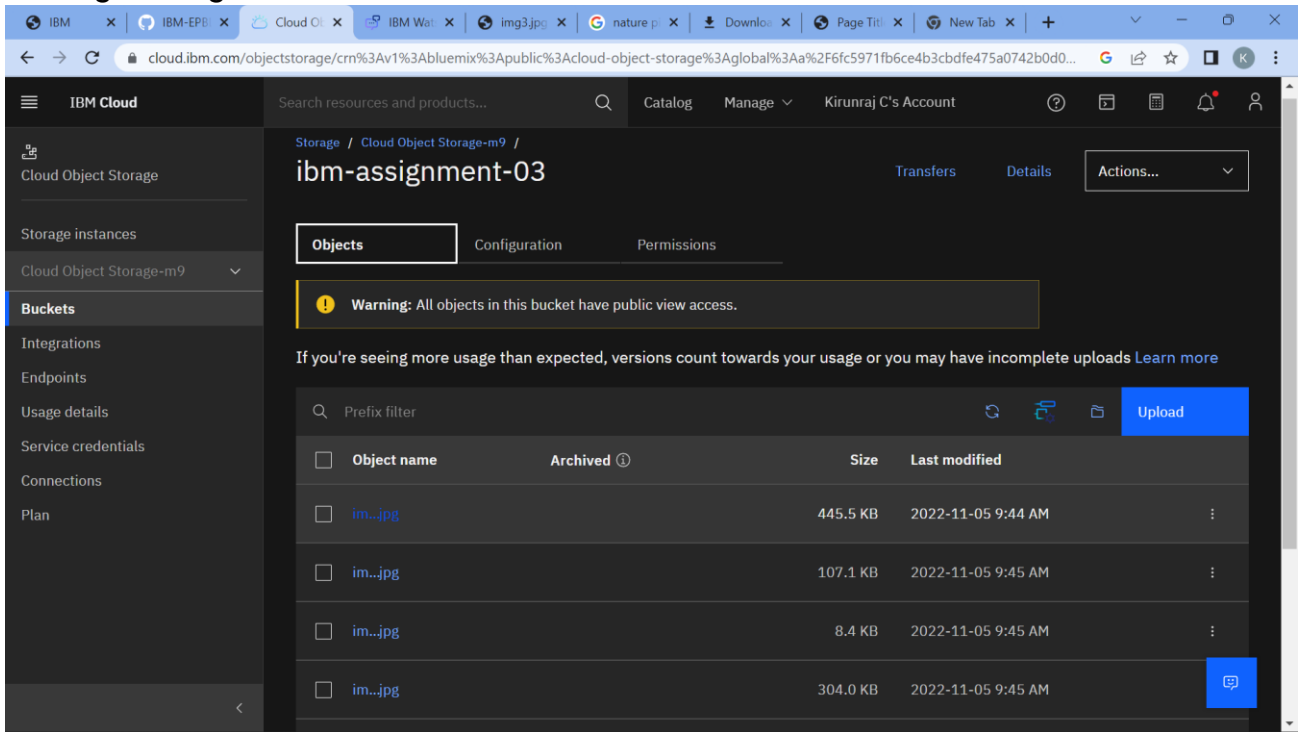
Search

Create bucket +

Name	Public access	Location	Storage class	Created
ibm-assignment-03	Yes	jp-tok	Smart Tier	2022-11-05 9:41 AM

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

Adding 5 images



Making it to public

The screenshot shows the IBM Cloud console interface. The left sidebar contains a navigation menu with the following items: Cloud Object Storage, Storage instances, Cloud Object Storage-m9, Buckets (highlighted), Integrations, Endpoints, Usage details, Service credentials, Connections, and Plan. The main content area is titled '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.' Below this title, there are two expandable sections: 'Access policies' and 'Context-based restrictions'. The 'Access policies' section is expanded, showing a 'Public access' toggle that is currently turned on. A warning message is displayed: '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 blue button labeled 'Create access policy' is visible. The bottom right corner of the console shows a chat icon.

IBM Cloud

Search resources and products...

Catalog Manage Kirunraj C's Account

Cloud Object Storage

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Cloud Object Storage-m9

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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:
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](#) [X](#)

Status: **Enabled**

Role for this bucket:

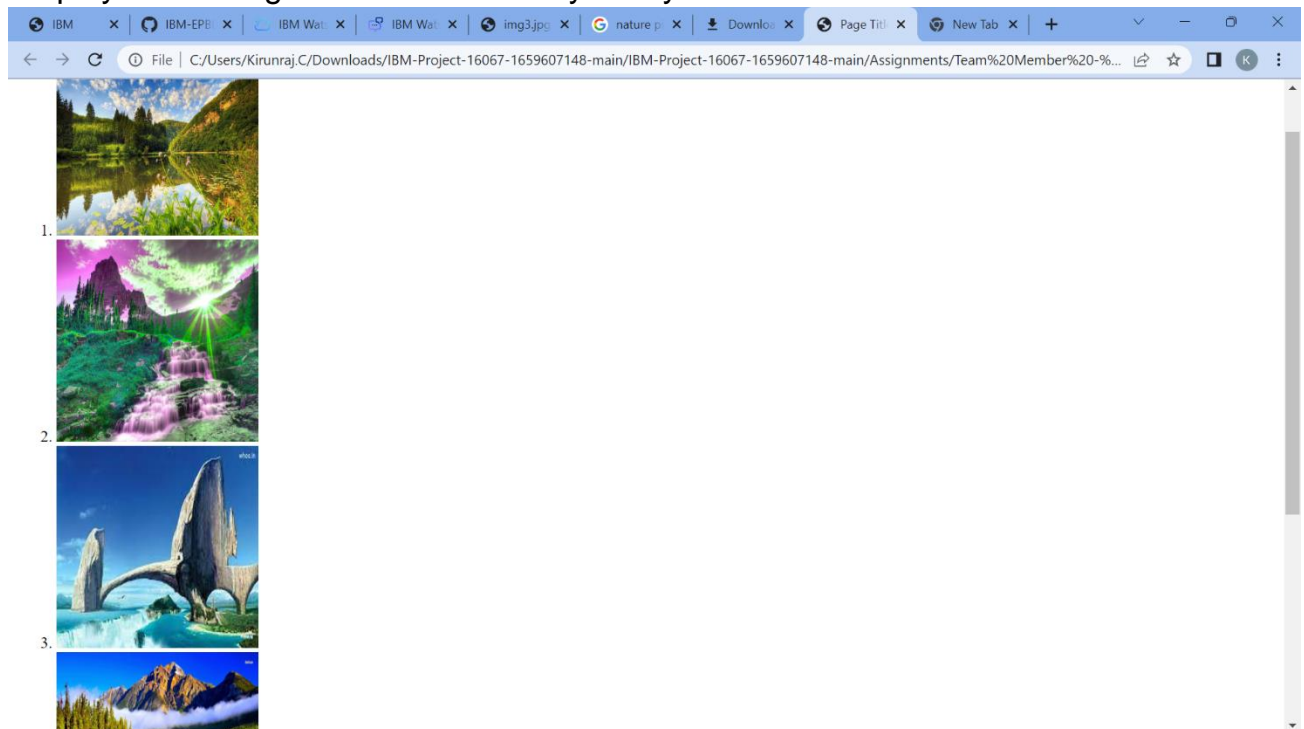
Content Reader

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

Create access policy

Context-based restrictions

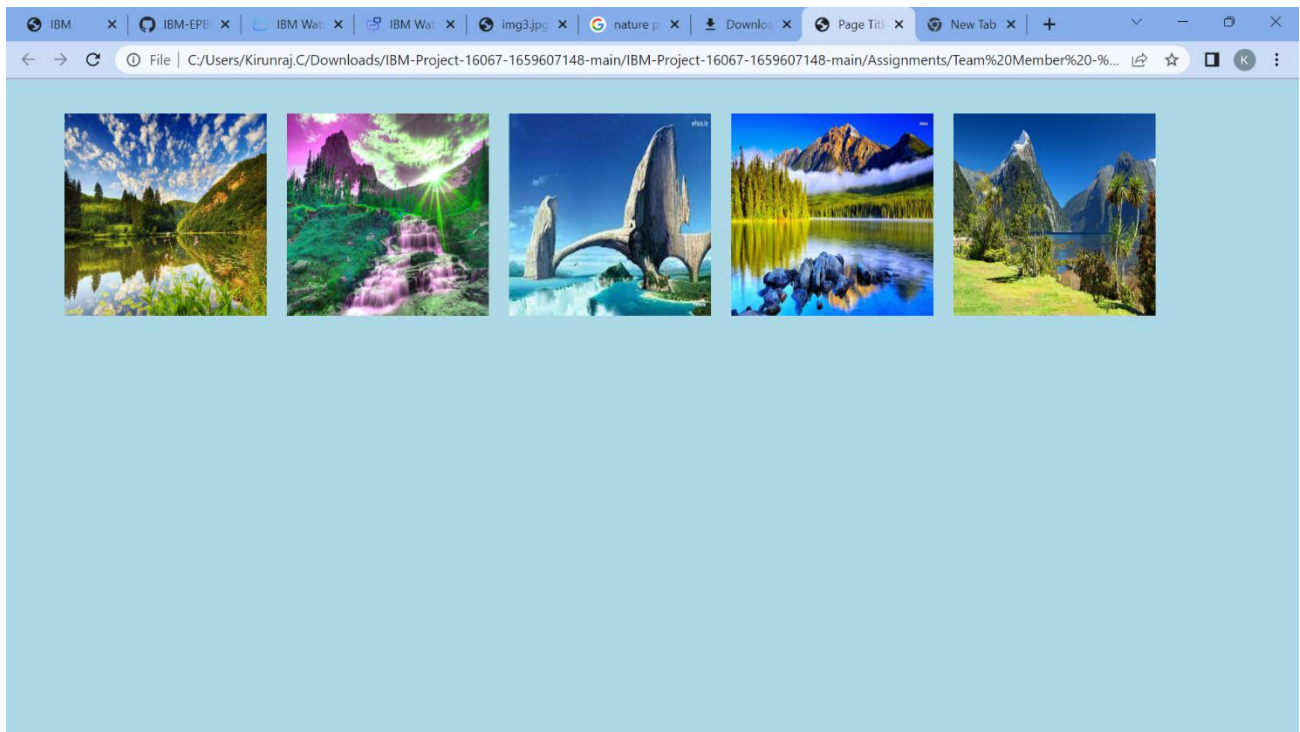
Display the 5 images obtained from my newly created bucket



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

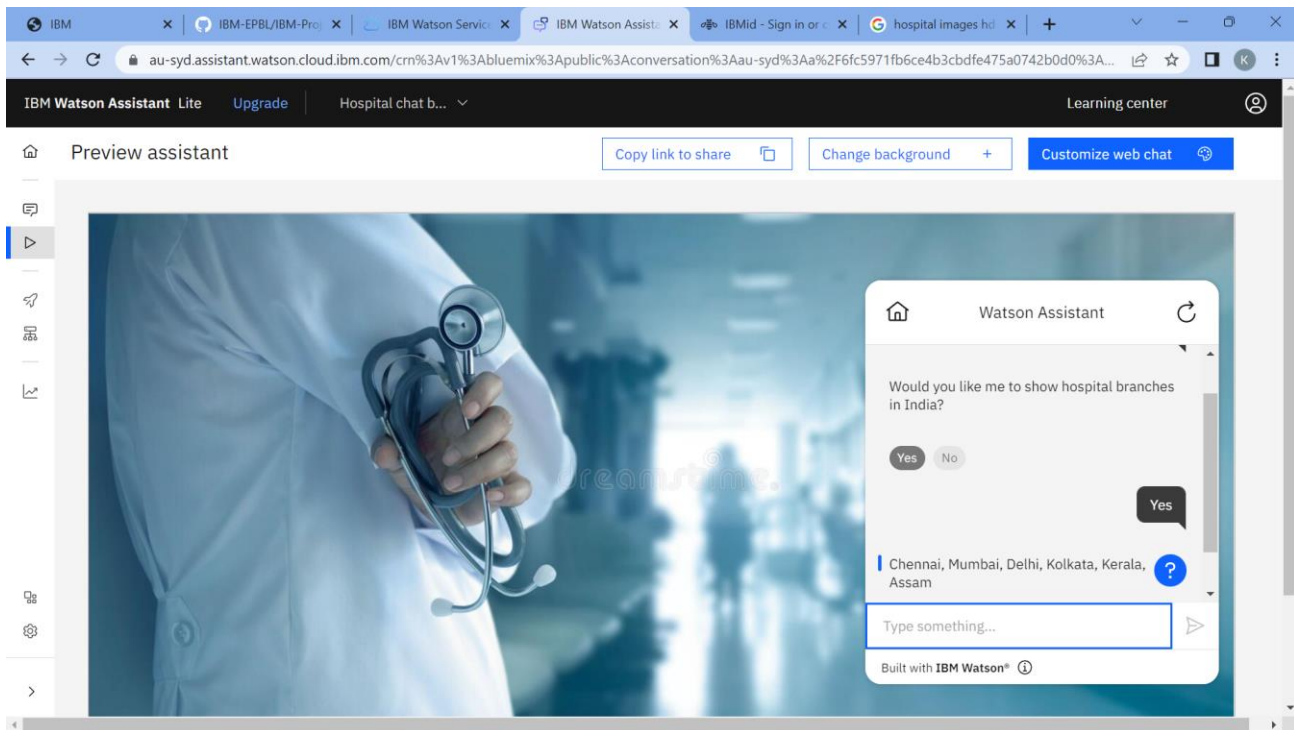
index.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Page Title</title>
    <link      rel="stylesheet"      href="http://s3.jp-tok.cloud-object-
storage.appdomain.cloud/ibm-assignment-03/sample1.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/test-
bucketassignment3/";      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>
```

sample1.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 –[chat-bot](#)

HYPERLINK "<https://web-chat.global.assistant.watson.appdomain.cloud/preview.html?backgroundImageURL=https%3A%2F%2Fau-syd.assistant.watson.cloud.ibm.com%2Fpublic%2Fimages%2Fupx-44c059ab-6d83-4d87-bc1f-99e3331c7d1a%3A%3A375eb80f-53a5-4bac-8c5f-284422925ba7&integrationID=e57a85b0-69f6-4567-a070-8e030919db2d®ion=au-syd&serviceInstanceID=44c059ab-6d83-4d87-bc1f-99e3331c7d>" \h

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

Book appointment

Customer starts with:
Book appointment

Conversation steps

1
Sure. I can make it for you !
Continue to next step

2
Please provide your name.
Free text
Continue to next step

3
Great! Select mail or phone number to reach you.
Mobile Email
Continue to next step

Book appointment

3 is Mobile
4
Great! Enter your mobile number.
Number
Continue to next step

3 is Email
5
Great! Please enter your email id.
Regex
Continue to next step

6
The available bookings are today and tomorrow.
Please select anyone.
Tomorrow Today
Continue to next step

Book appointment

6 is Today , Tomorrow
7
Sure! Your appointment is yet to be booked.
Please confirm.
Yes No
Continue to next step

7 is Yes
8
Your appointment is booked successfully!
Continue to next step

7 is No
9
No problem! Your booking is cancelled.
Continue to next step

10
Thank You!
Action complete

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

Page Screenshot

