

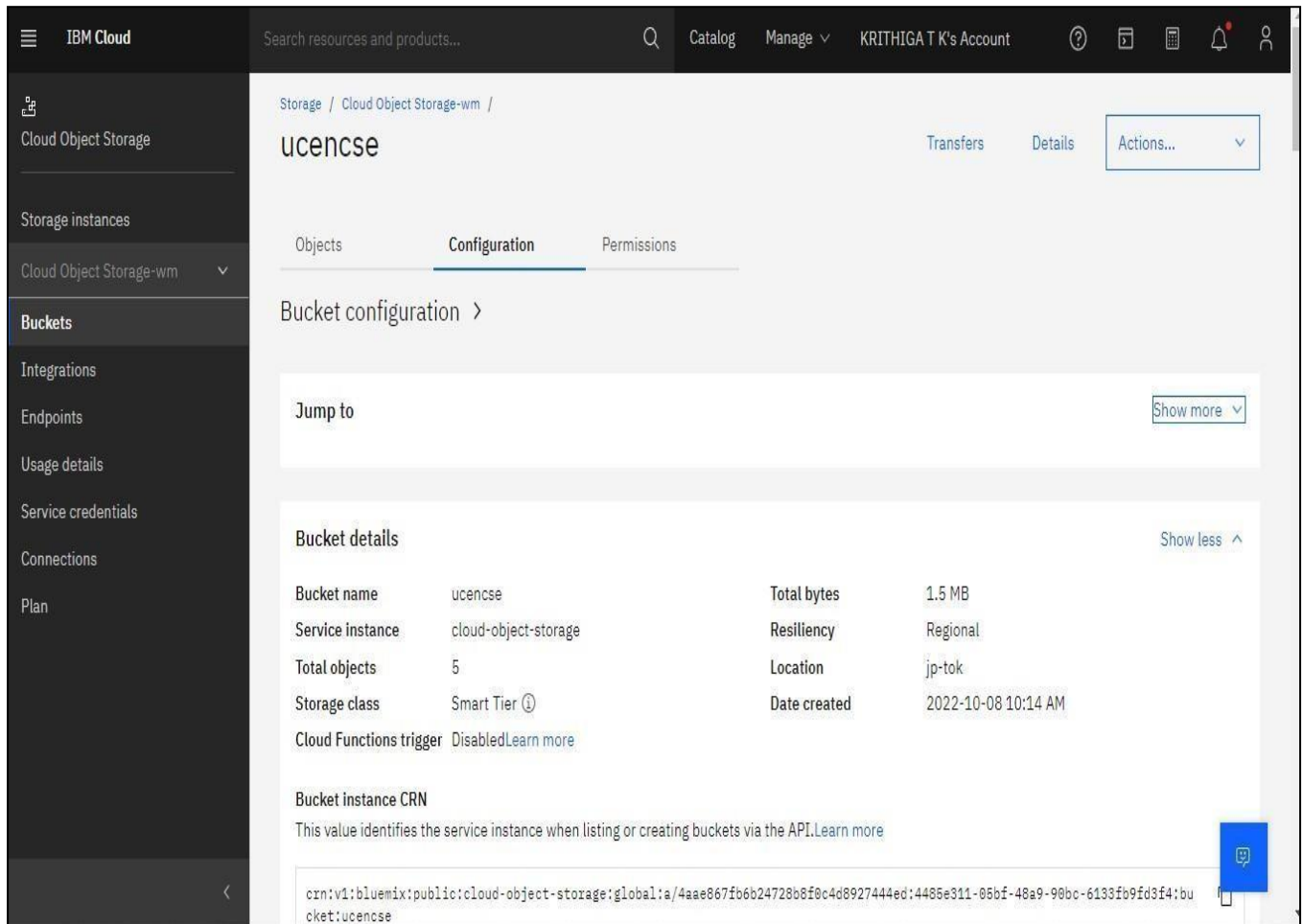
ASSIGNMENT 3

PROJECT TITLE : PERSONAL EXPENSE TRACKER APPLICATION

TEAM ID : PNT2022TMID16565

OBJECT STORAGE AND WATSON ASSISTANT IN IBM CLOUD

1. Create a Bucket in IBM object storage.



The screenshot displays the IBM Cloud console interface for managing Cloud Object Storage. The left sidebar shows the navigation menu with 'Buckets' selected. The main content area shows the configuration for a bucket named 'ucencse'. The 'Configuration' tab is active, displaying the 'Bucket configuration' section. Below this, the 'Bucket details' section provides information about the bucket's properties.

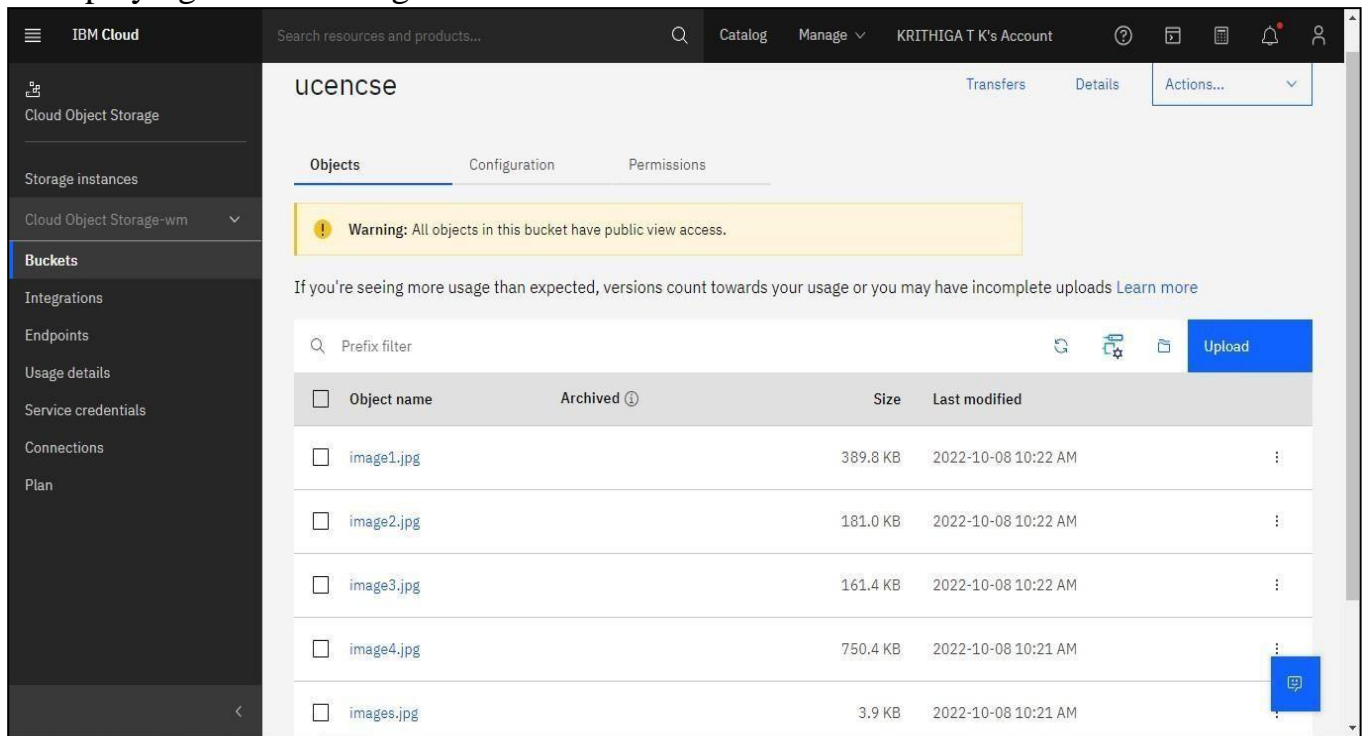
Bucket details			
Bucket name	ucencse	Total bytes	1.5 MB
Service instance	cloud-object-storage	Resiliency	Regional
Total objects	5	Location	jp-tok
Storage class	Smart Tier ⓘ	Date created	2022-10-08 10:14 AM
Cloud Functions trigger	Disabled Learn more		

Bucket instance CRN
This value identifies the service instance when listing or creating buckets via the API. [Learn more](#)

```
crn:v1:bluemix:public:cloud-object-storage:global:a/4aae867fb6b24728b8f0c4d8927444ed:4485e311-85bf-48a9-90bc-6133fb9fd3f4:bucket:ucencse
```

Bucket was created

2. Upload 5 images to IBM object storage and make it public. Write html code to displaying all the 5 images.

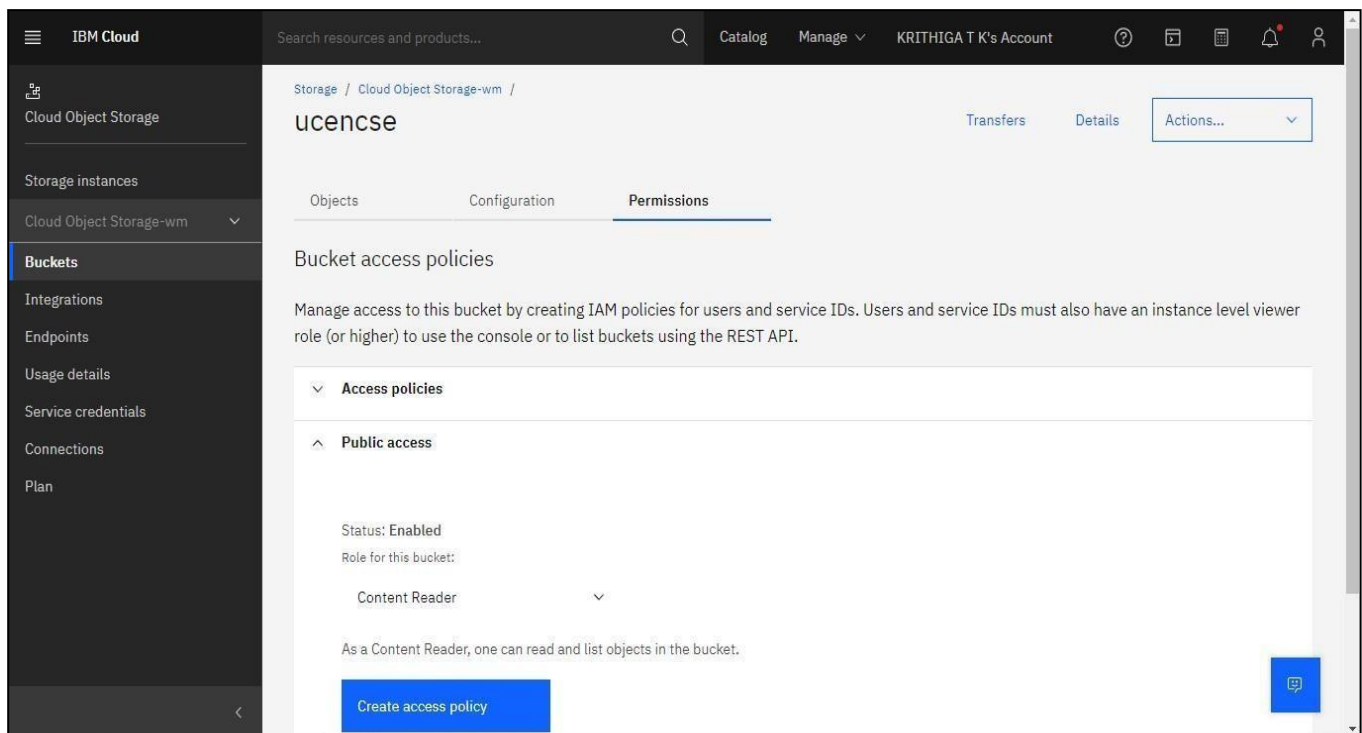


The screenshot shows the IBM Cloud Object Storage console. The left sidebar contains navigation links: IBM Cloud, Cloud Object Storage, Storage instances, Cloud Object Storage-wm, Buckets, Integrations, Endpoints, Usage details, Service credentials, Connections, and Plan. The main panel displays the 'ucencse' bucket. At the top, there are tabs for 'Transfers', 'Details', and 'Actions...'. Below the bucket name, there are tabs for 'Objects', 'Configuration', and 'Permissions'. A yellow warning box 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 search bar with 'Prefix filter' is present. A table lists the objects in the bucket:

<input type="checkbox"/>	Object name	Archived ⓘ	Size	Last modified	
<input type="checkbox"/>	image1.jpg		389.8 KB	2022-10-08 10:22 AM	⋮
<input type="checkbox"/>	image2.jpg		181.0 KB	2022-10-08 10:22 AM	⋮
<input type="checkbox"/>	image3.jpg		161.4 KB	2022-10-08 10:22 AM	⋮
<input type="checkbox"/>	image4.jpg		750.4 KB	2022-10-08 10:21 AM	⋮
<input type="checkbox"/>	images.jpg		3.9 KB	2022-10-08 10:21 AM	⋮

An 'Upload' button is visible in the top right corner of the object list area.

5 images was uploaded in the cloud object storage



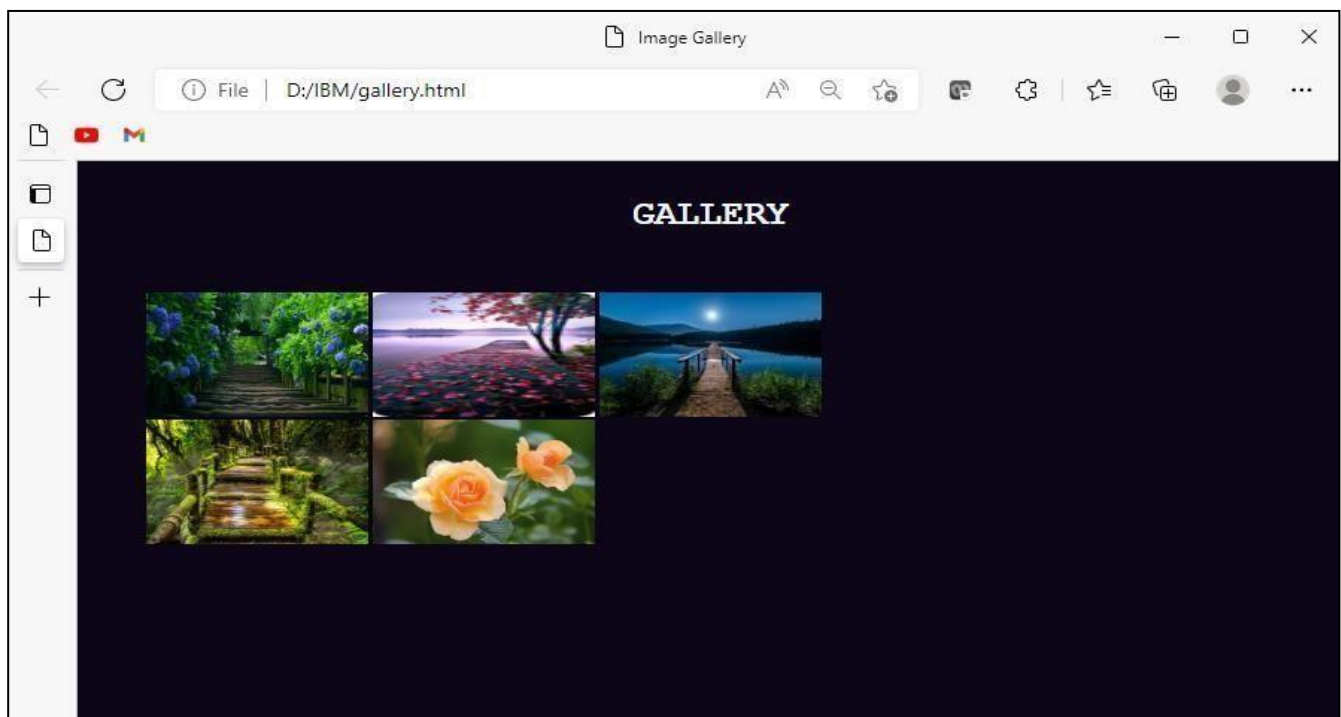
The screenshot shows the IBM Cloud Object Storage console, specifically the 'Permissions' tab for the 'ucencse' bucket. The left sidebar is the same as in the previous screenshot. The main panel shows the 'Permissions' tab selected. Below the bucket name, there are tabs for 'Objects', 'Configuration', and 'Permissions'. The 'Permissions' tab is active, showing 'Bucket access policies'. A message states: '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, there is a section for 'Access policies' with a dropdown menu showing 'Public access'. The status is 'Enabled'. 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 at the bottom.

Public access is enabled

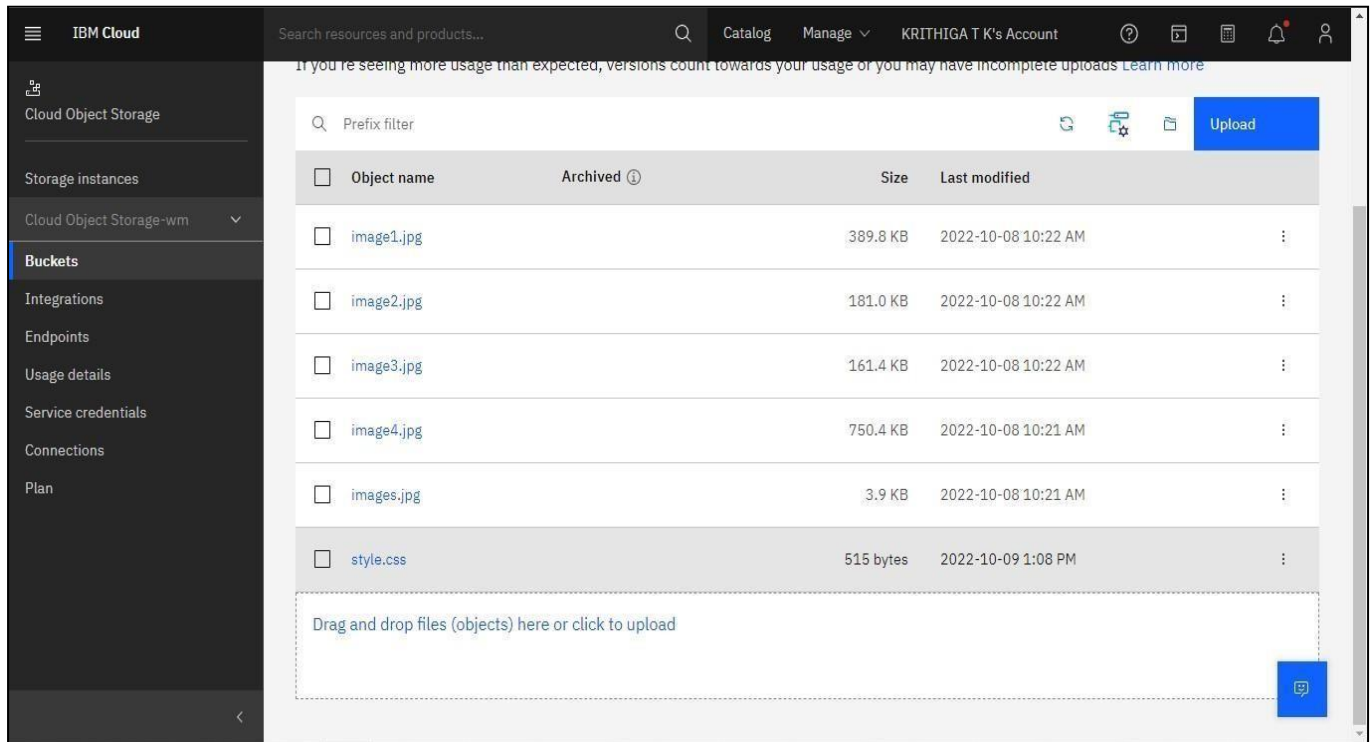
Gallery.html

```
1  <html>
2  <head>
3    <title>Image Gallery</title>
4    <style type="text/css">
5      body{
6        background-color: rgb(13, 6, 24);
7      }
8      #gallery{
9        margin-top: 10%;
10       margin: 5%;
11       line-height:0;
12       column-count:5;
13       column-gap:5px;
14     }
15     #gallery img{
16       width: 100% !important;
17       height: 40% !important;
18       margin-bottom:5px;
19     }
20     h2{
21       text-align: center;
22       font-family: Courier;
23       font-size: 50px;
24       margin-top: 3%;
25       font-weight: bolder;
26       color: aliceblue;
27     }
28   </style>
29 </head>
30 <body>
31   <h2>GALLERY</h2>
32   <div id="gallery">
33     
34     
35     
36     
37     
38   </div>
39 </body>
40 </html>
```

Output



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



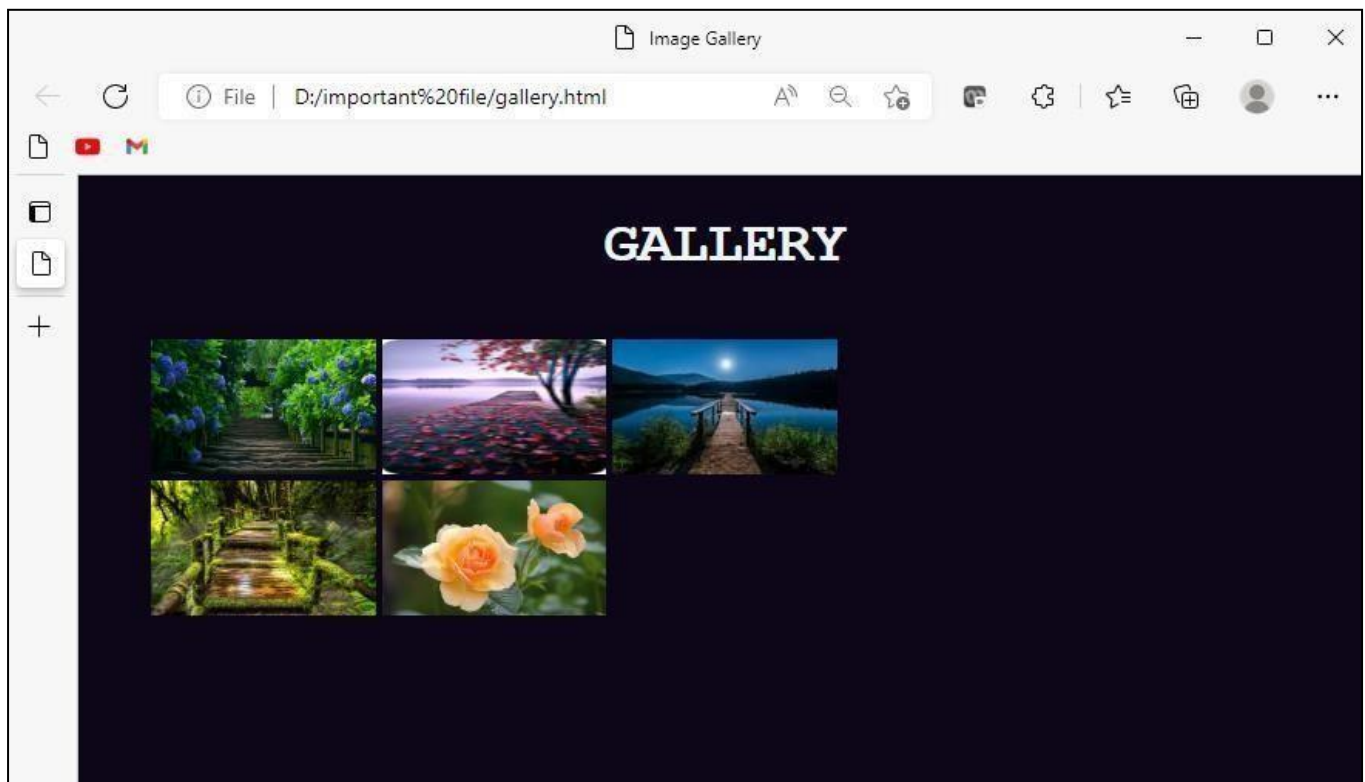
Style.css



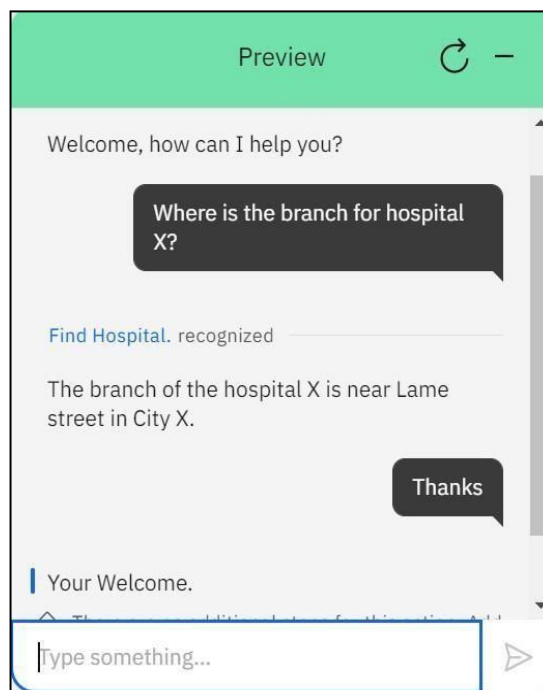
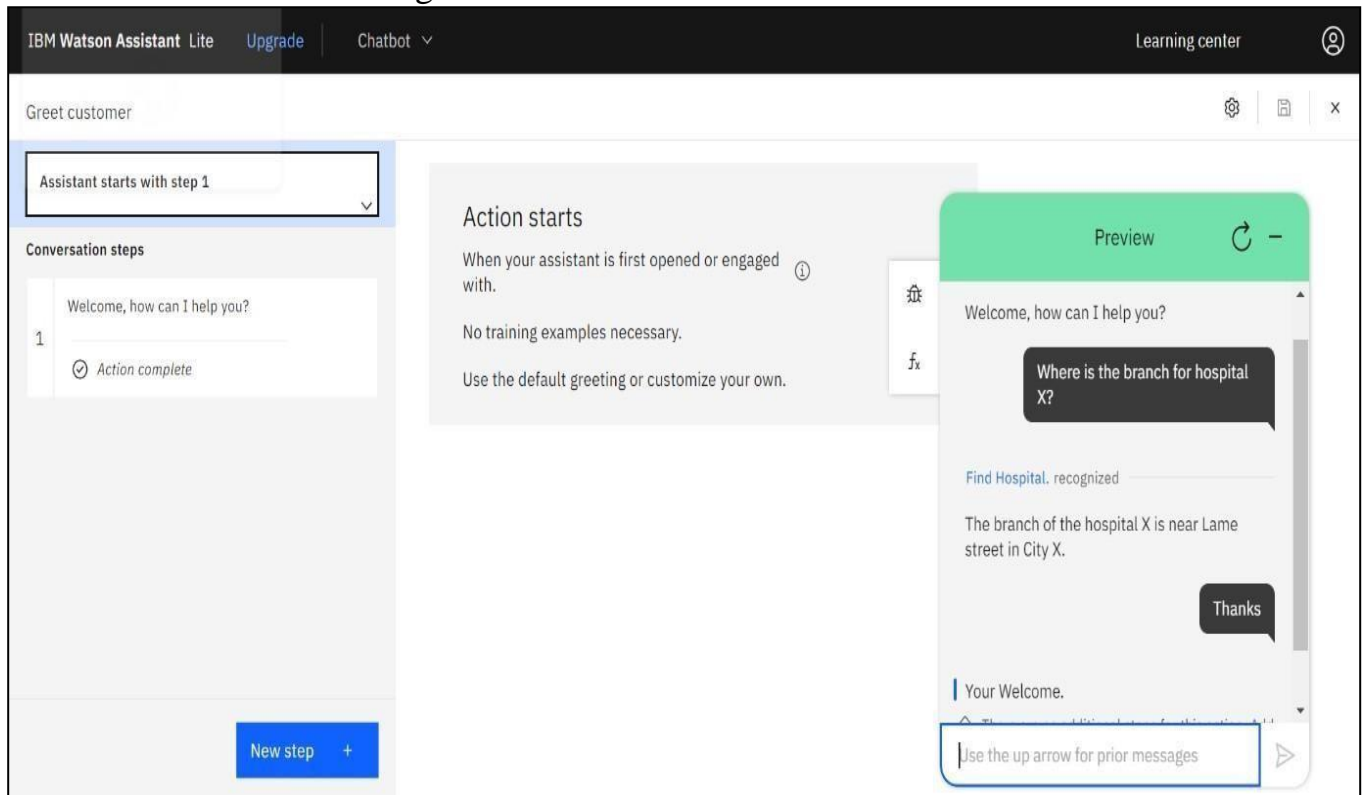
Gallery.html

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Image Gallery</title>
5     <link rel="stylesheet" href="https://ucencse.s3.jp-tok.cloud-object-storage.appdomain.cloud/style.css">
6   </head>
7   <body>
8     <h2>GALLERY</h2>
9     <div id="gallery">
10      
11      
12      
13      
14      
15    </div>
16  </body>
17 </html>
```

Output



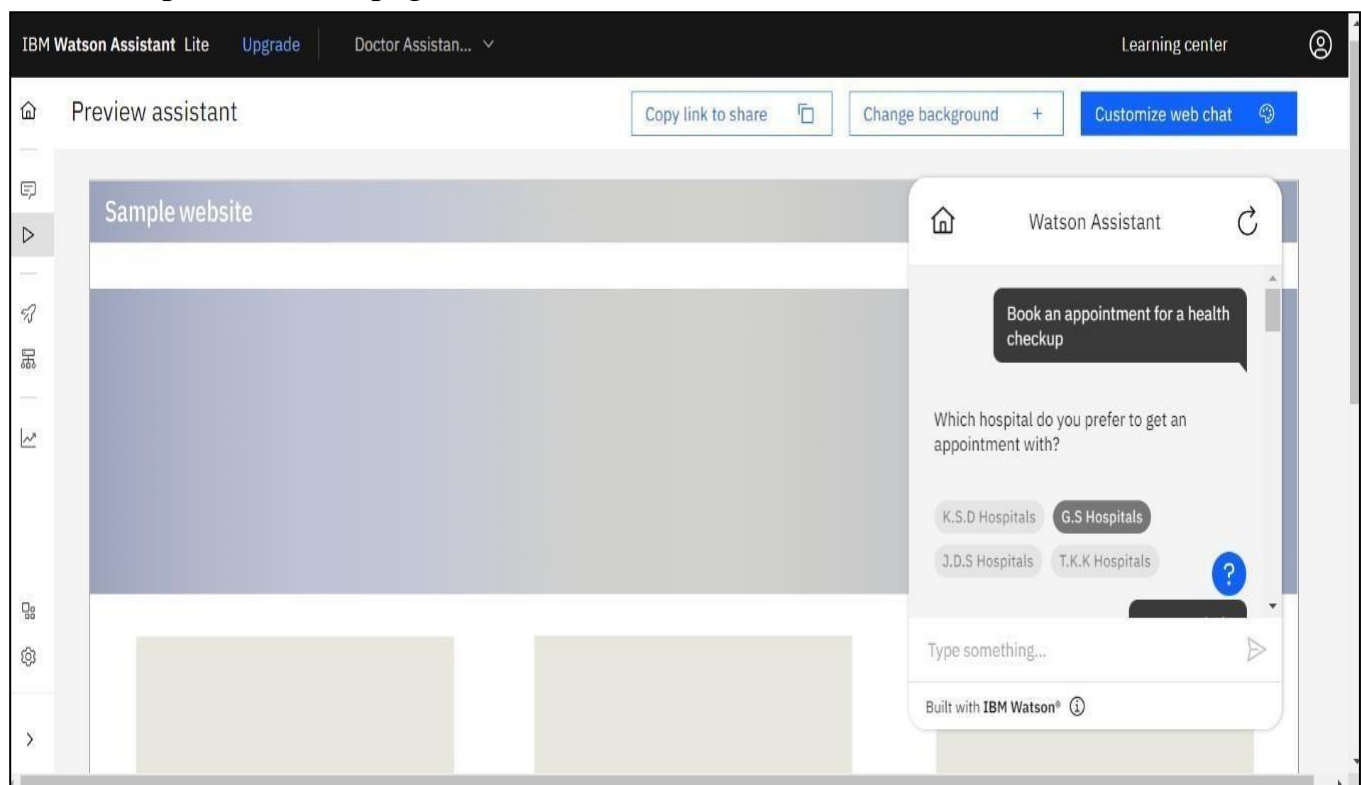
4. Design a chat bot using IBM Watson assistant for a hospital. Example the user comes with a query to know the branches of that hospital in your city. Submit the web URL of that chat bot as an assignment.

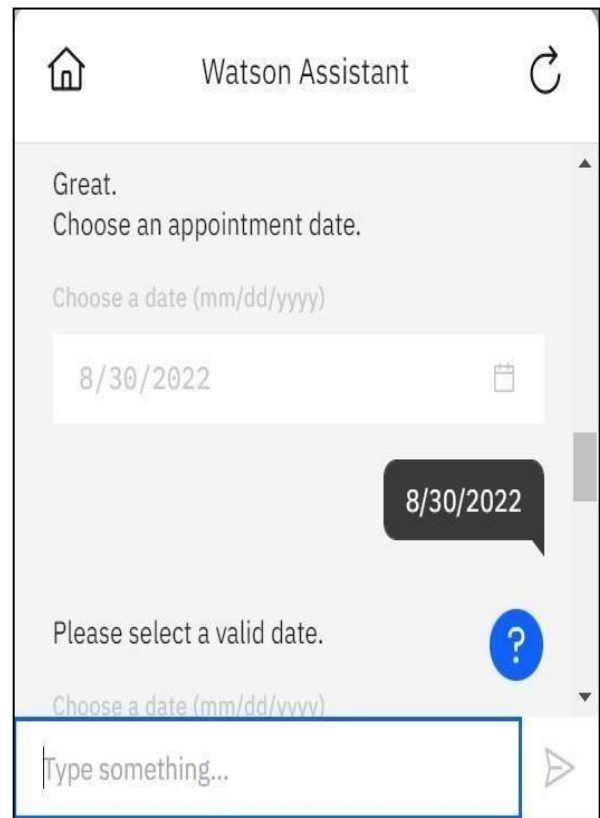
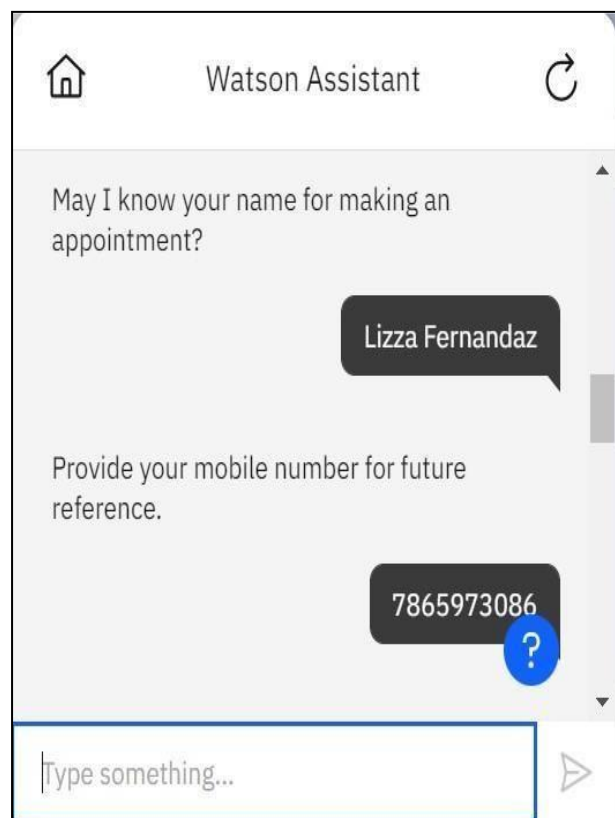
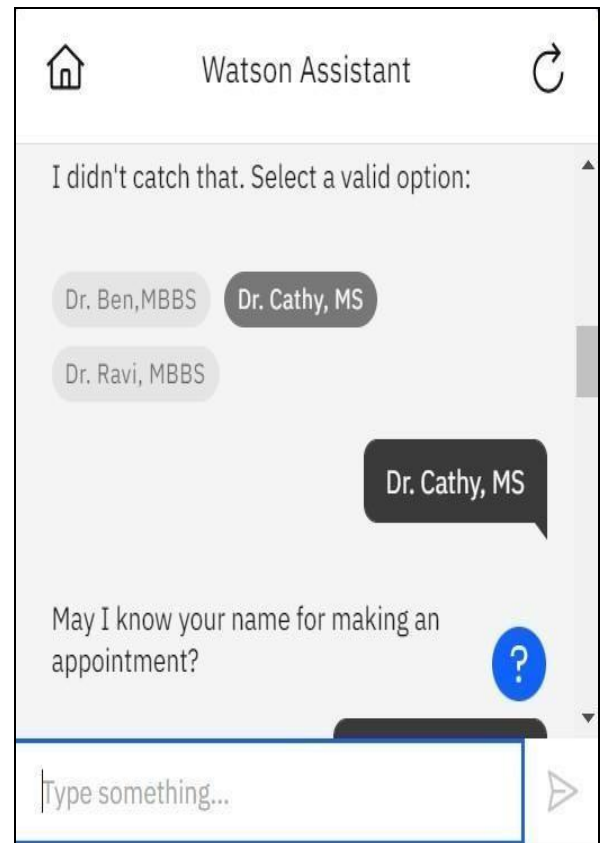
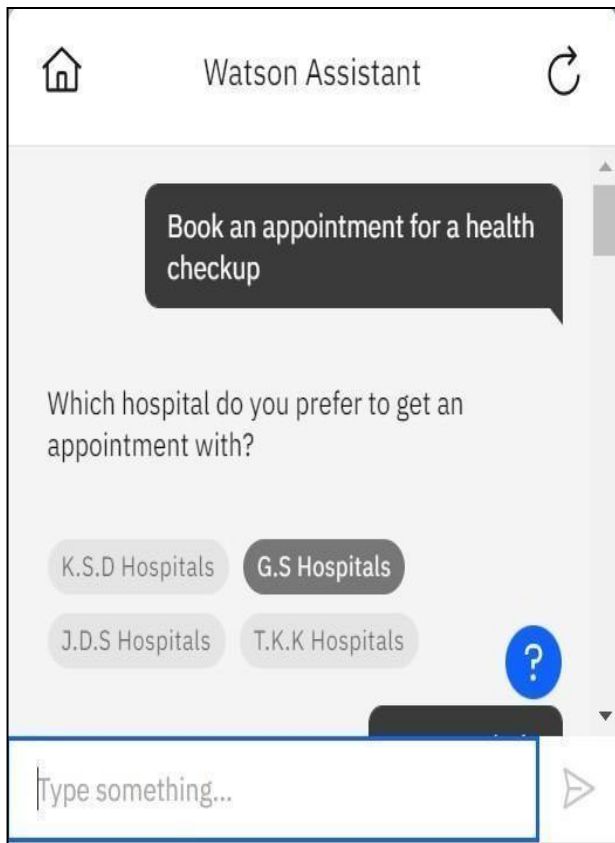


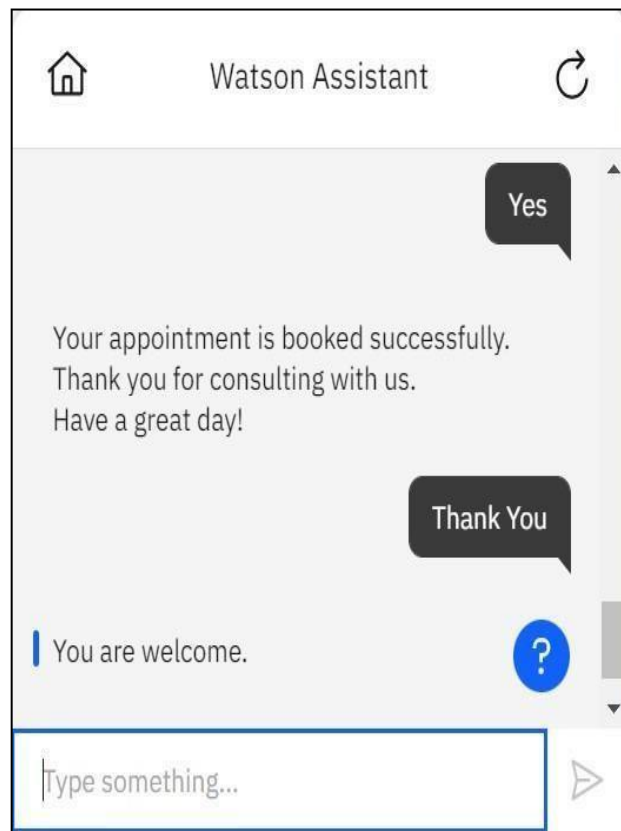
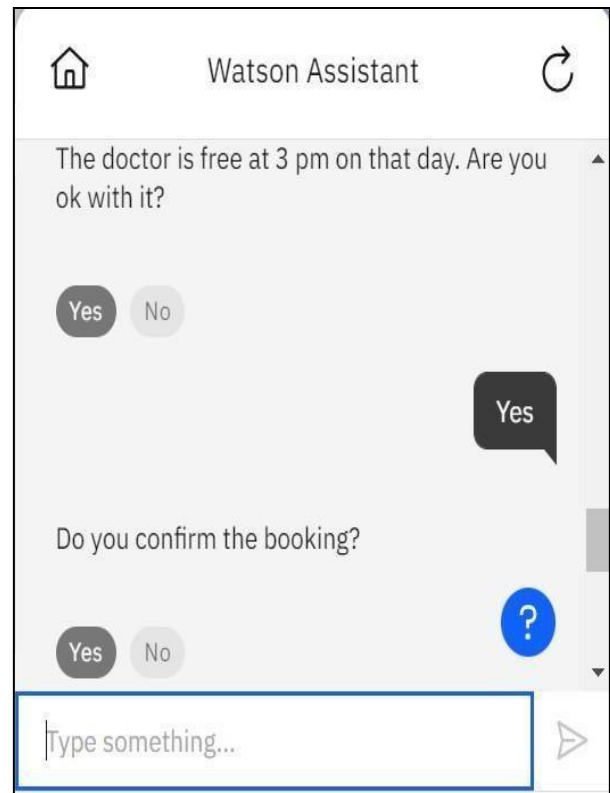
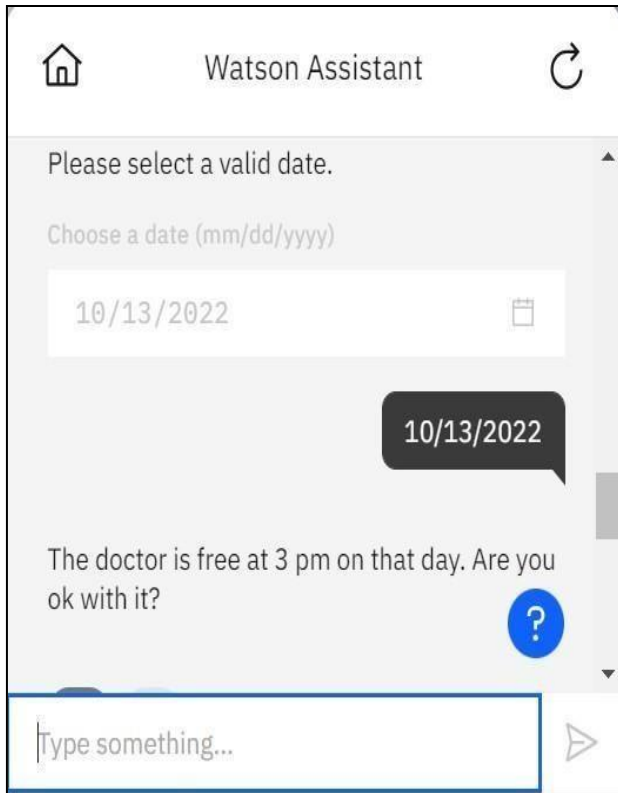
Chatbot Access URL

<https://webchat.global.assistant.watson.appdomain.cloud/preview.html?backgroundImageURL=https%3A%2F%2Fjp-tok.assistant.watson.cloud.ibm.com%2Fpublic%2Fimages%2Fupxc1c094d9-c048-4877-b09e-202b2a623fda%3A%3A28be94d0-4a06-4bb7-a0af358479d049ca&integrationID=640b8a9b-167a-4301-8cf9-f956c3444e5f®ion=jptok&serviceInstanceID=c1c094d9-c048-4877-b09e-202b2a623fda>

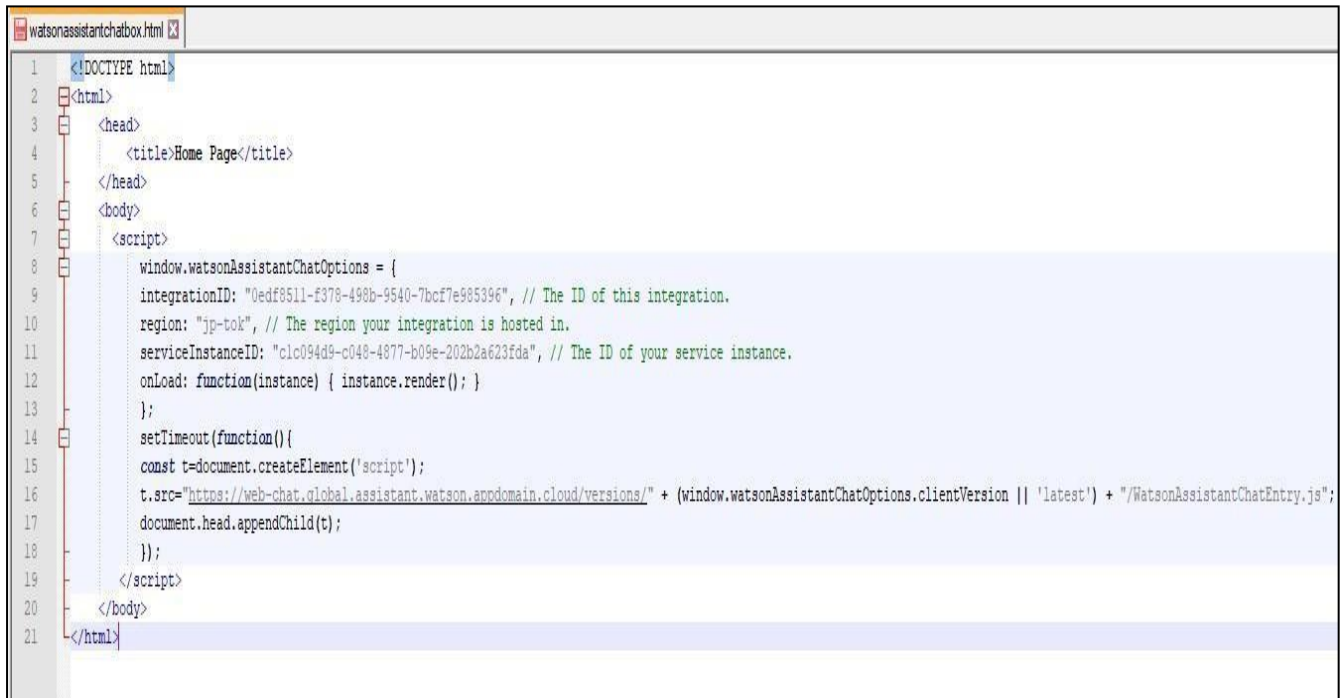
5. Create a Watson assistant service with ten steps and use three conditions in it. Load that script in the html page.







Watsonassistantchatbot.html



```
1 <!DOCTYPE html>
2 <html>
3 <head>
4 <title>Home Page</title>
5 </head>
6 <body>
7 <script>
8     window.watsonAssistantChatOptions = {
9         integrationID: "0edf8511-f378-498b-9540-7bcf7e985396", // The ID of this integration.
10        region: "jp-tok", // The region your integration is hosted in.
11        serviceInstanceID: "c1c094d9-c048-4877-b09e-202b2a623fda", // The ID of your service instance.
12        onLoad: function(instance) { instance.render(); }
13    };
14    setTimeout(function(){
15        const t=document.createElement('script');
16        t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" + (window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";
17        document.head.appendChild(t);
18    });
19 </script>
20 </body>
21 </html>
```

Chatbot access URL

<https://webchat.global.assistant.watson.appdomain.cloud/preview.html?backgroundImageURL=https%3A%2F%2Fjp-tok.assistant.watson.cloud.ibm.com%2Fpublic%2Fimages%2Fupxc1c094d9-c048-4877-b09e-202b2a623fda%3A%3A970fcc61-3fe8-4aa3-962b7c9d376ceb12&integrationID=0edf8511-f378-498b-9540-7bcf7e985396®ion=jptok&serviceInstanceID=c1c094d9-c048-4877-b09e-202b2a623fda>