

ASSIGNMENT - 3

EXPLORE OBJECT STORAGE AND WATSON ASSISTANT IN IBM CLOUD

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Assignment Date	07 October 2022
Maximum Marks	2 Marks

1. Create a Bucket in IBM object storage.

Bucket details Show less ^

Bucket name	skill-and-job-recommender-bucket-1	Total bytes	0 bytes
Service instance	cloud-object-storage	Resiliency	Regional
Total objects	0	Location	us-south
Storage class	Smart Tier ⓘ	Date created	2022-10-05 12:00 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/77bb2e90befd4ac087dc7d87fcae81ec:7e526f93-ae46-4b84-8523-2d07bf0d5183:bucket:skill-and-job-recommender-bucket-1
```

Service credentials
You can generate a new set of credentials for cases where you want to manually connect an app or external consumer to an IBM Cloud service. [Learn more](#)

New credential +

Key name	Date created
Reader Credential 1	2022-10-05 12:34 AM

```
{
  "apikey": "oFDivfe2FvK2FsfxEiDrWTxTZ8EX8E415U3H1X7Fu0p",
  "endpoints": "https://control.cloud-object-storage.cloud.ibm.com/v2/endpoints",
  "iam_apikey_description": "Auto-generated for key crn:v1:bluemix:public:cloud-object-storage:global:a/77bb2e90befd4ac087dc7d87fcae81ec:7e526f93-ae46-4b84-8523-2d07bf0d5183:resource-key:17f76994-6216-4e62-86f9-6192796ca547",
  "iam_apikey_name": "Reader Credential 1",
  "iam_role_crn": "crn:v1:bluemix:public:iam::::serviceRole:Reader",
  "iam_serviceid_crn": "crn:v1:bluemix:public:iam-identity::a/77bb2e90befd4ac087dc7d87fcae81ec::serviceid:ServiceId-0d1e602f-dc1e-4b73-a8b6-6ac7aa288d29",
  "resource_instance_id": "crn:v1:bluemix:public:cloud-object-storage:global:a/77bb2e90befd4ac087dc7d87fcae81ec:7e526f93-ae46-4b84-8523-2d07bf0d5183:::"
}
```

2. Upload 5 images to IBM object storage and make it public. Write HTMLcode to display all 5 images.

Storage / Skill and Job Recommender Cloud Object Storage /

skill-and-job-recommender-bucket-1

TransfersDetailsActions...

ObjectsConfigurationPermissions

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

RefreshCopyFolderUpload

<input type="checkbox"/>	Object name	Archived ⓘ	Size	Last modified	
<input type="checkbox"/>	Balloons.jpg		412.5 KB	2022-10-05 12:36 AM	⋮
<input type="checkbox"/>	Fireworks.jpg		3.7 MB	2022-10-05 12:36 AM	⋮
<input type="checkbox"/>	Hot Air Balloons.jpg		1.2 MB	2022-10-05 12:36 AM	⋮
<input type="checkbox"/>	Mountains.jpg		1.5 MB	2022-10-05 12:36 AM	⋮
<input type="checkbox"/>	Swing.jpg		2.3 MB	2022-10-05 12:36 AM	⋮

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TransfersDetailsActions...

ObjectsConfigurationPermissions

Bucket access policies

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

Status: Enabled

Role for this bucket:

Content Reader

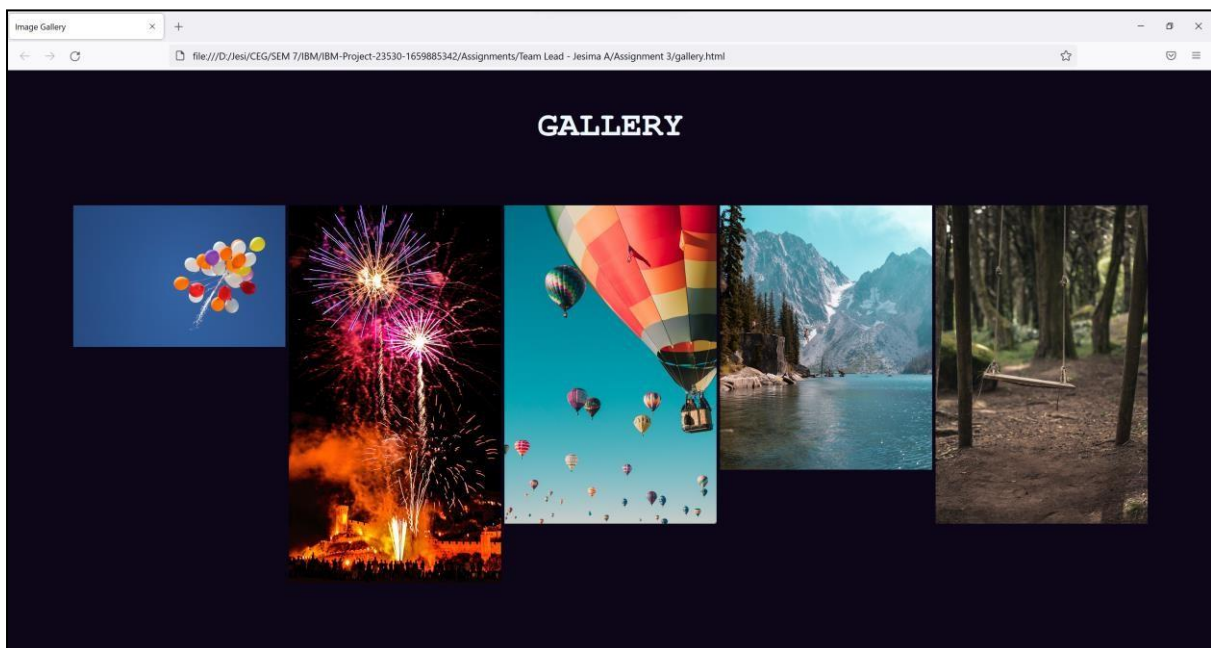
As a Content Reader, one can read and list objects in the bucket.

CODE

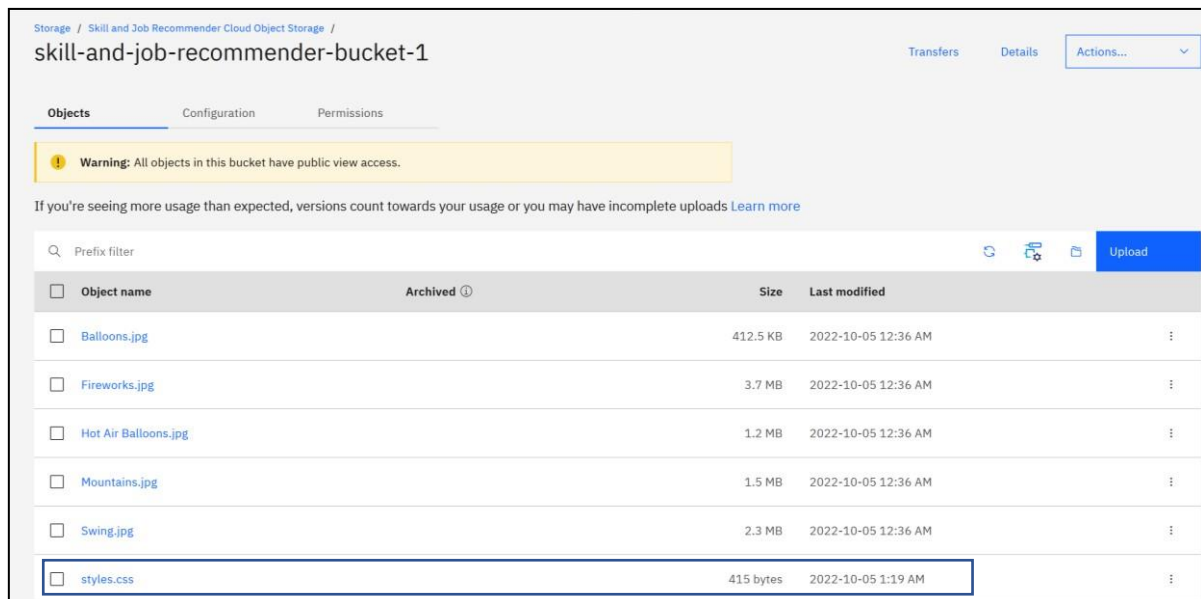
gallery.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Image Gallery</title>
    <link rel="stylesheet" href="https://skill-and-job-recommender-bucket-1.s3.us-south.cloud-
object-storage.appdomain.cloud/styles.css">
  </head>
  <body>
    <h2>GALLERY</h2>
    <div id="gallery">
      
      
      
      
      
    </div>
  </body>
</html>
```

OUTPUT



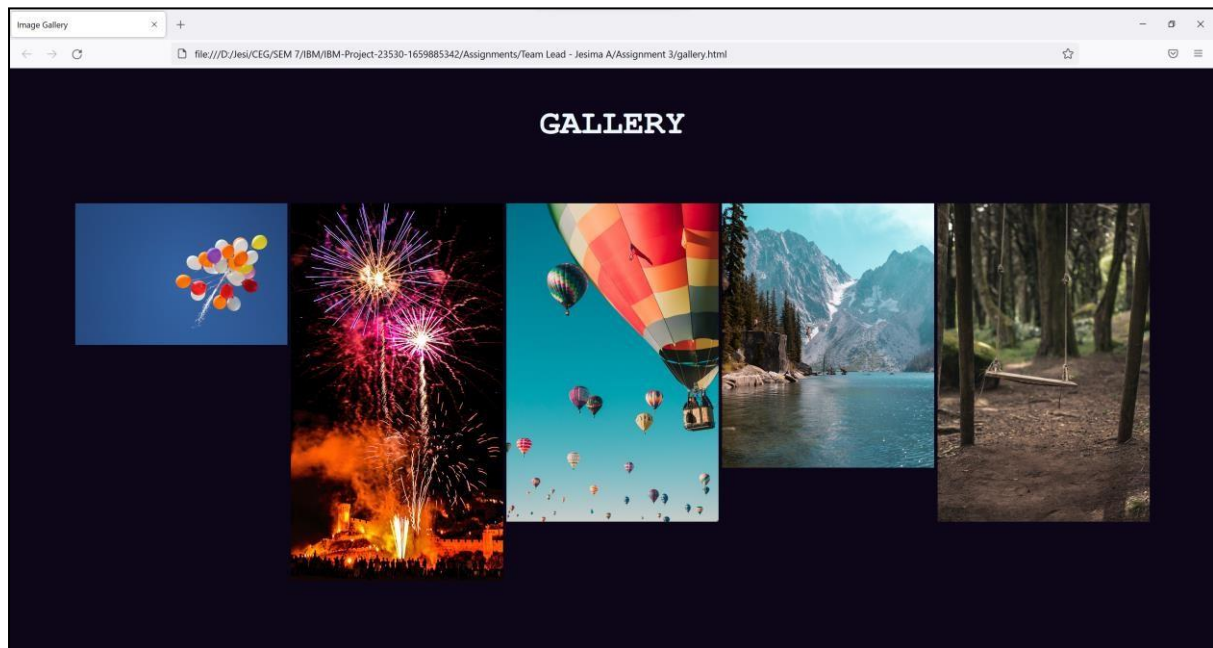
3. Upload a CSS page to the object storage and use the same page in yourHTML code.



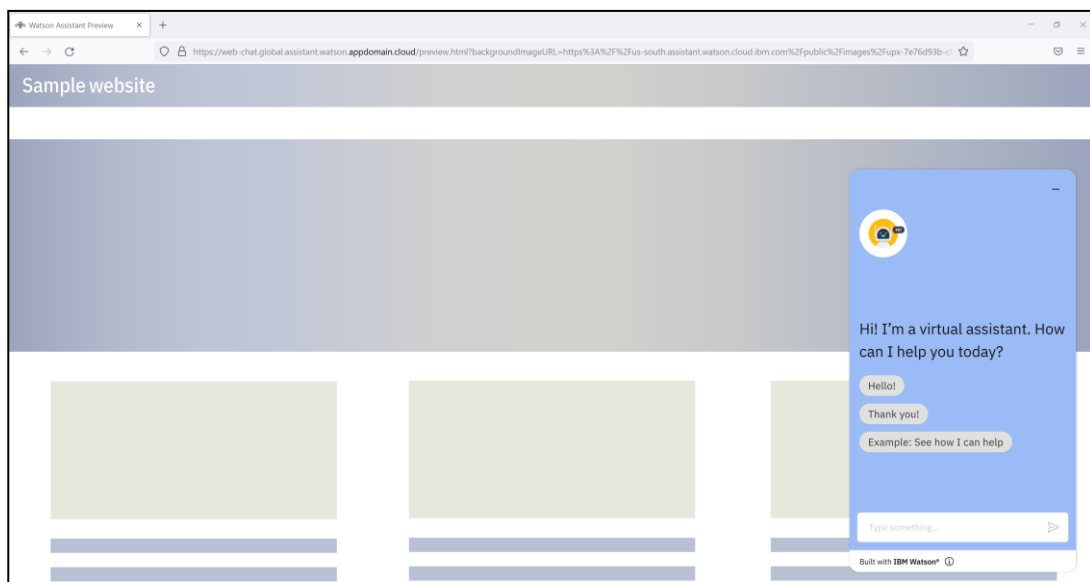
styles.css

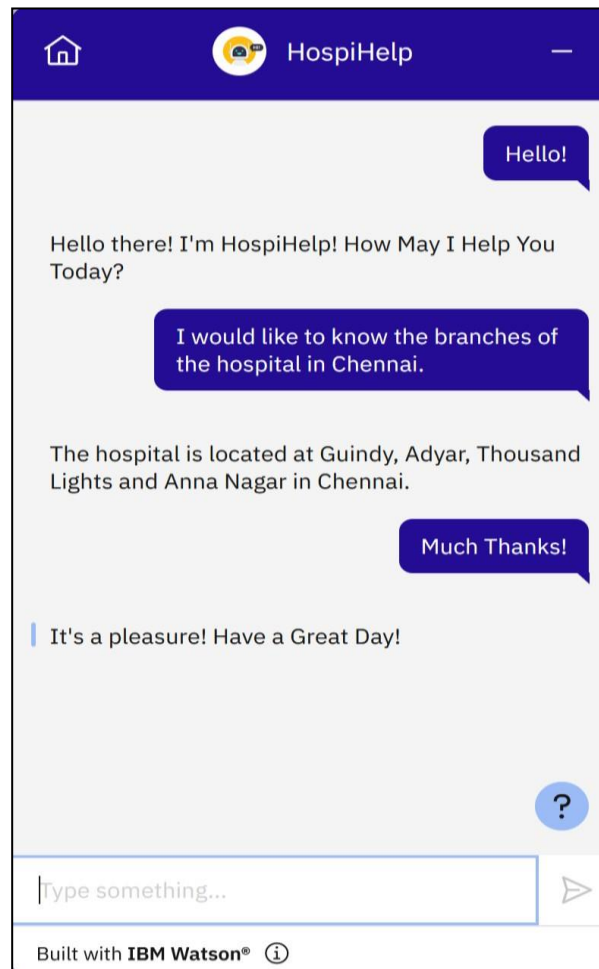
```
body{
  background-color: rgb(13, 6, 24);
}
#gallery{
  margin-top: 10%;
  margin: 5%;
  line-height:0;
  column-count:5;
  column-gap:5px;
}
#gallery img{
  width: 100% !important;
  height: auto !important;
  margin-bottom:5px;
}
h2{
  text-align: center;
  font-family: Courier;
  font-size: 50px;
  margin-top: 3%;
  font-weight: bolder;
  color: aliceblue;
}
```

OUTPUT



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





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

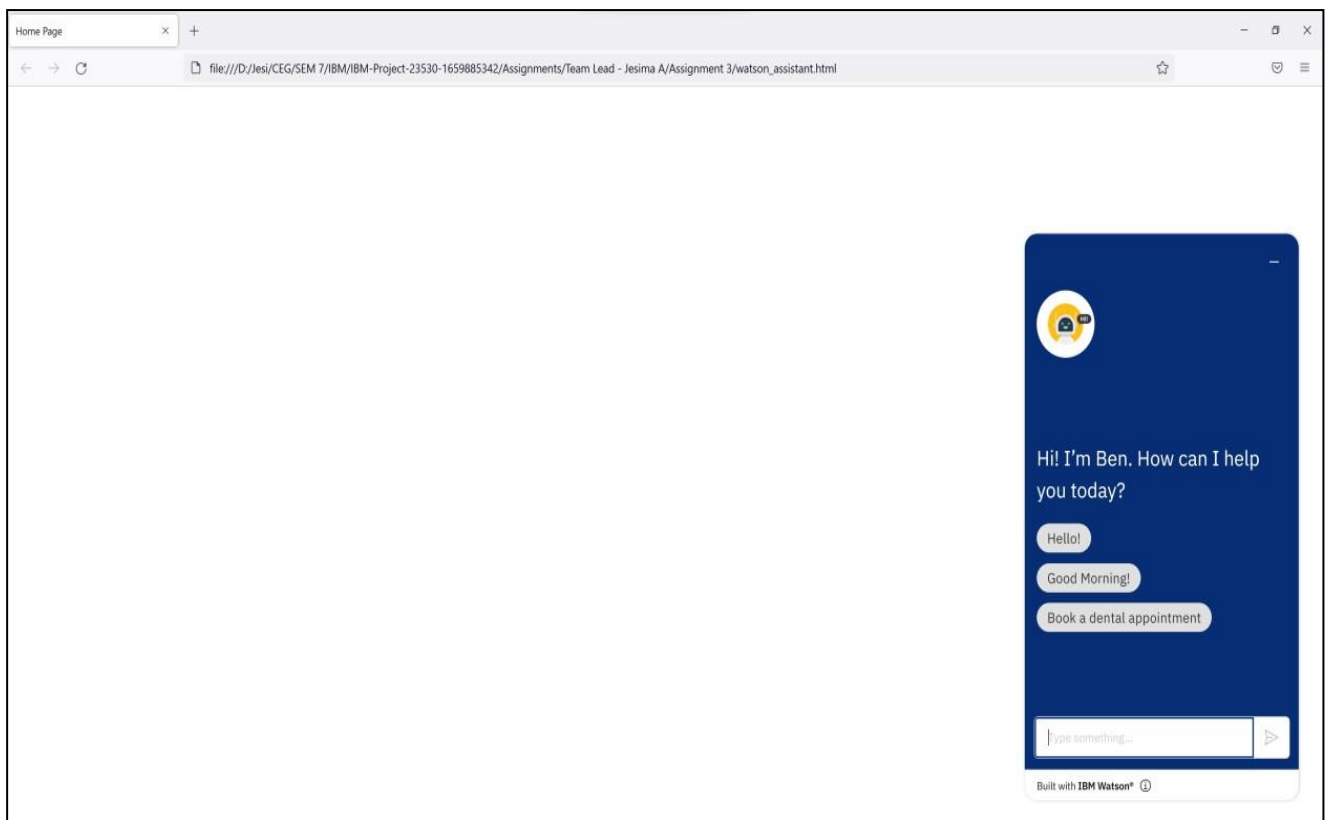
CODE

watson_assistant.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Home Page</title>
  </head>
  <body>
    <script>
      window.watsonAssistantChatOptions = {
        integrationID: "5662b8d5-6e03-4ed1-b8a9-36cef43ef236", // The ID of this integration.
        region: "us-south", // The region your integration is hosted in.
```

```
serviceInstanceID: "7e76d93b-cfe4-4370-993d-1ce3ecc6df02", // 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>
```

OUTPUT



Dental Care Ben

Which specialist do you want to consult?

General Dentist
Endodontist
Periodontist
Orthodontist

Endodontist

Which Endodontist do you want to consult?

Dr Sanjana
Dr Guha
Dr Chhajjer

Dr Finola

Please choose from the available doctors.

Dr Sanjana
Dr Guha
Dr Chhajjer

Dr Gu ?

Type something...

Built with IBM Watson® ⓘ

Dental Care Ben

Dr Guha

Great!

Please choose a valid appointment date.

Choose a date (mm/dd/yyyy)

9/28/2022

9/28/2022

Please choose a valid appointment date.

Choose a date (mm/dd/yyyy)

10/14/2022

10/14/2022

Do you to confirm the booking?

?

Type something...

Built with IBM Watson® ⓘ

Dental Care Ben

Hi!

Hello! This is Ben!

I am here to help you book your dental appointment.

May I know your Full Name?

Jesima

May I know your Phone Number?

171719827366543

I'm sorry! Please enter valid phone number.

9876543210

?

Which specialist do you want to consult?

Type something...

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Dental Care Ben

Do you to confirm the booking?

Yes
No

Yes

Your appointment booking is successful! We have sent you the confirmation to your phone number.

Thank you for consulting with us! Have a Great Day!

Thank you!

It's always a pleasure to assist you. Have a Great Day!

Chat session inactive. Send any message to continue. If you refresh the page now, you'll have to start a new conversation.

?

Type something...

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