Personal Travel Blog

Problem Statement:

Many travelers seek to share their memorable moments and experiences, discover the best places to visit, and find the finest hotels during their journeys. However, existing travel blog websites often lack user-friendliness and personalized recommendations. This project aims to create a user-friendly travel blog website that enables users to easily share their memorable moments, discover top travel destinations, and find the best hotels.

Design Thinking Approach:

1. Empathize:

- Understand the needs and pain points of travelers.
- Conduct user research, surveys, and interviews to gather insights.

2. Define:

- Clearly define the problem and target audience.
- Create user personas to represent the typical website users.

3. Ideate:

- Brainstorm potential solutions and features.
- Consider innovative ways to make the website user-friendly.

4. Prototype:

- Develop wireframes and mockups for the website.
- Design a user interface that is visually appealing and intuitive.

5. Test:

- Gather user feedback through usability testing.
- Identify areas for improvement and iterate on the design.

6. Develop:

- Build the website using suitable web development technologies.
- Implement features like user registration, content creation, and search functionality.

7. Launch:

- Deploy the website on a hosting platform.
- Promote the website to the target audience.

Project Objective:

To leverage the innovative design thinking principles and IBM Cloud Static Web Apps to create a Personal Travel Blog that offers a simplified development workflow, scalability, security, cost-efficiency, and an enhanced developer experience while incorporating features like social media sharing buttons, interactive maps, and comment sections for improved user engagement and interaction**.**

1. Introduction:

In today's fast-paced digital world, a reliable and scalable web presence is essential. This personal travel blog aims to showcase the innovative use of IBM Cloud Static Web Apps to simplify development, enhance performance, ensure security, and offer cost-efficiency for individuals looking to create their own travel blogs. This project leverages IBM Cloud's features to create a seamless and engaging user experience.

2. Use Cases:

a. Simplified Content Management

- As a travel blogger, I want an easy-to-use platform to publish my travel experiences without worrying about server management.
- I want to integrate my blog with GitHub for version control and seamless deployments.

b. Scalable and High-Performance Blog

- I want my blog to load quickly for users worldwide, so I need a content delivery network (CDN).
- My blog's traffic can vary, so I need automatic scaling to handle high traffic without downtime.

c. Enhanced Security

- I want my blog to be secure, so I need managed security updates and robust authentication and authorization features.

d. Improved Developer Experience

- I want automated deployment and continuous integration/continuous deployment (CI/CD) to streamline my development process.
- I want a simple setup and integration experience.

e. User Engagement

- I want to engage my readers with social media sharing buttons, interactive maps, and comment sections.

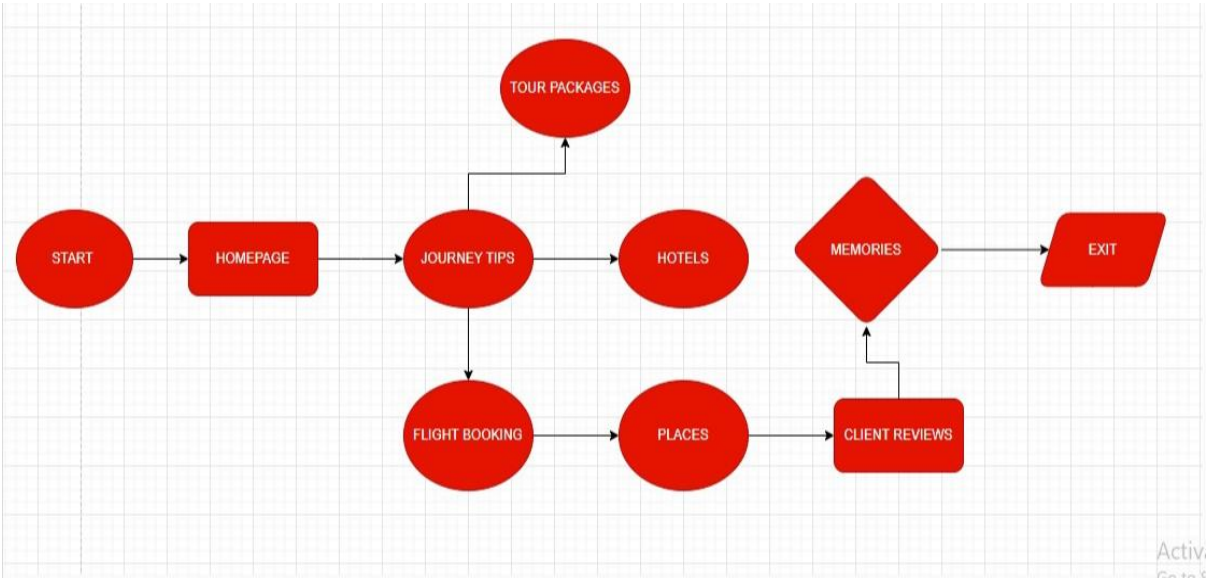
3. System Architecture:

The system architecture consists of:

- IBM Cloud Static Web Apps for hosting the blog.
- GitHub for version control and easy deployment.
- A CDN for fast content delivery.
- Managed security provided by IBM Cloud.
- Authentication and authorization features.

Usecase diagram:

Flowchart:



6.Implementation Steps:

1. Set up an IBM Cloud Static Web App for your blog.
2. Integrate GitHub for version control and automated deployment.
3. Configure CDN for fast content delivery.
4. Implement security features such as managed security updates and authentication/authorization.
5. Add user engagement features like social media sharing buttons, interactive maps, and comment sections.
6. Create and publish your travel blog posts.

7. Privacy Considerations:

- Ensure user data privacy by implementing secure authentication and authorization mechanisms.
- Clearly state your privacy policy and data usage terms to users.
- Regularly update and patch security vulnerabilities to protect user information.

Website Structure:

The structure of your travel blog website should be organized and intuitive to ensure a user-friendly experience. Here's a breakdown of the key components:

1. **Homepage:**
- Display featured travel articles, destinations, and hotels.

2. **Discover Destinations:**
- Allow users to explore different travel destinations.
- Include filters (e.g., location, type of destination, budget) for customized recommendations.

3. **Discover Hotels:**
- Include filters (e.g., price range, amenities) for tailored results.

4. **Memorable Moments:**
- Users can create and share their travel stories.
- Allow for photo and video uploads, and a text-based description.

5. **Travel Recommendations:**
- Feature curated travel recommendations and itineraries.
- User-generated recommendations and top-rated destinations.

6. **Interactive Maps:**

- Integrate maps to visualize travel routes and points of interest.
- Allow users to plan their itineraries directly on the map.

Content Creation:

Creating Memorable Moments:

- We can create travel posts with text, images, videos, and tags.
- Implement a user-friendly content reader.

Destination and Hotel Reviews:

- we can rate and review destinations and hotels.
- Allow for written reviews and a star-rating system.

Technical Implementation Details:

Development:

- Use HTML, CSS, and JavaScript for creating the user interface.
- Utilize a responsive design framework (e.g., Bootstrap) for mobile-friendliness.

Content Management:

- Develop a content management system for creating and displaying travel content.

Scalability and Performance:

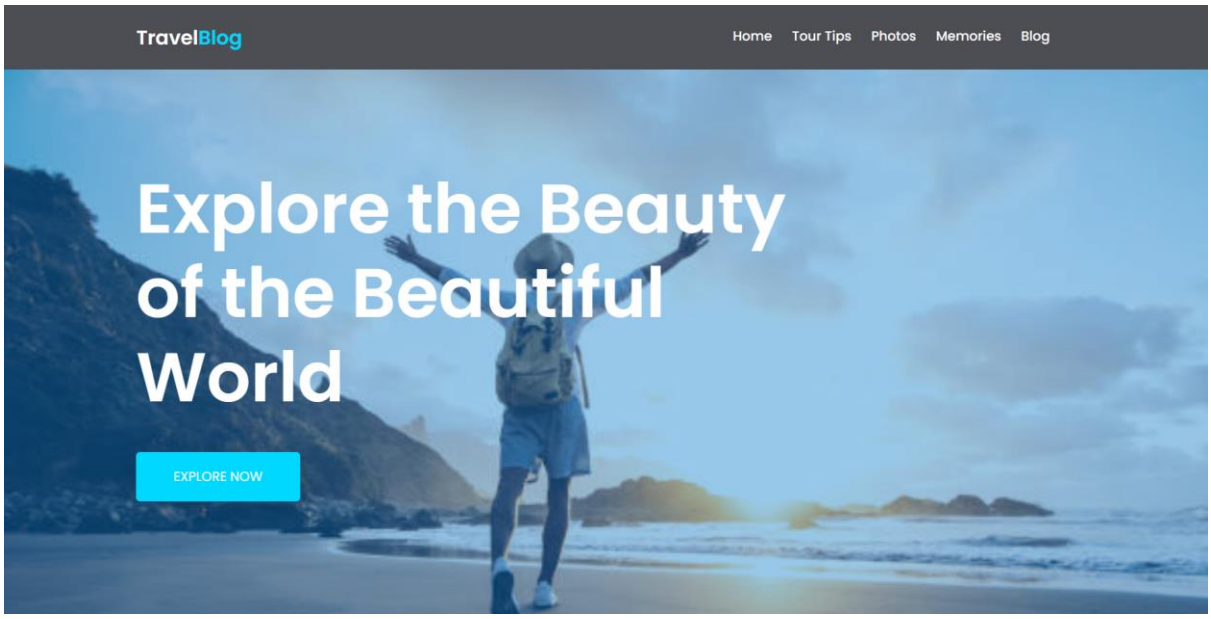
- Optimize website performance for fast load times and responsiveness.

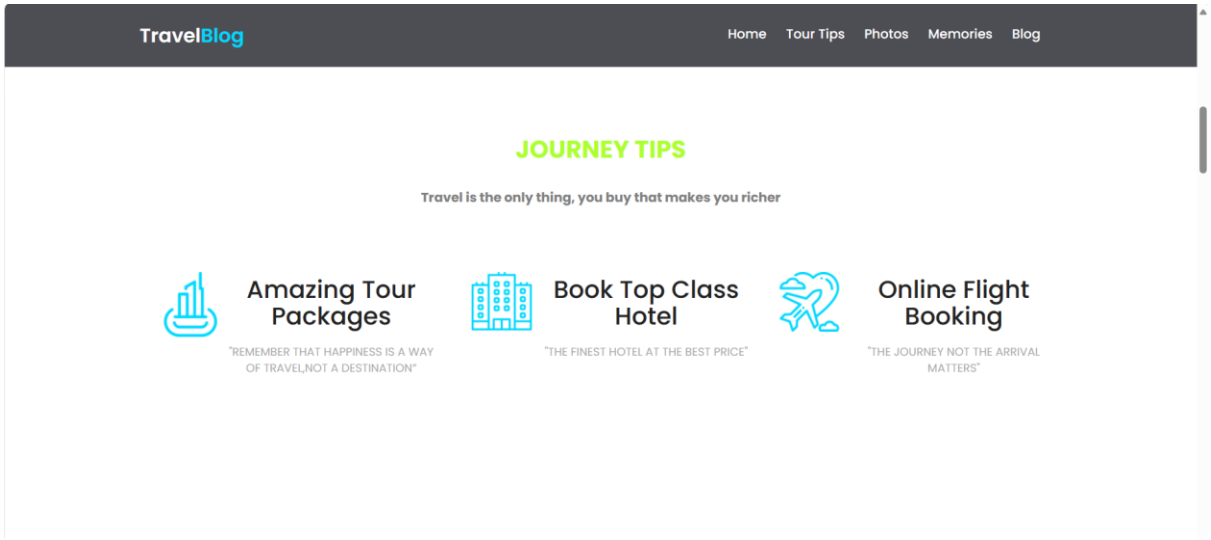
Hosting and Deployment:

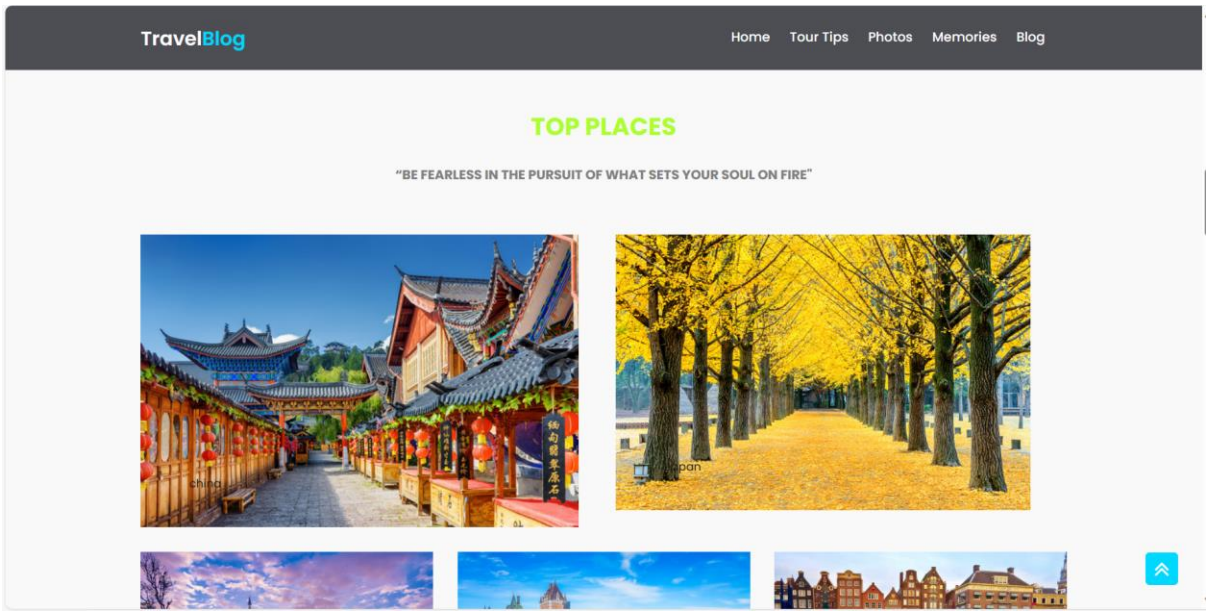
- Choose a reliable web hosting service and deploy the website.
- Use a content delivery network (CDN) for faster content delivery.

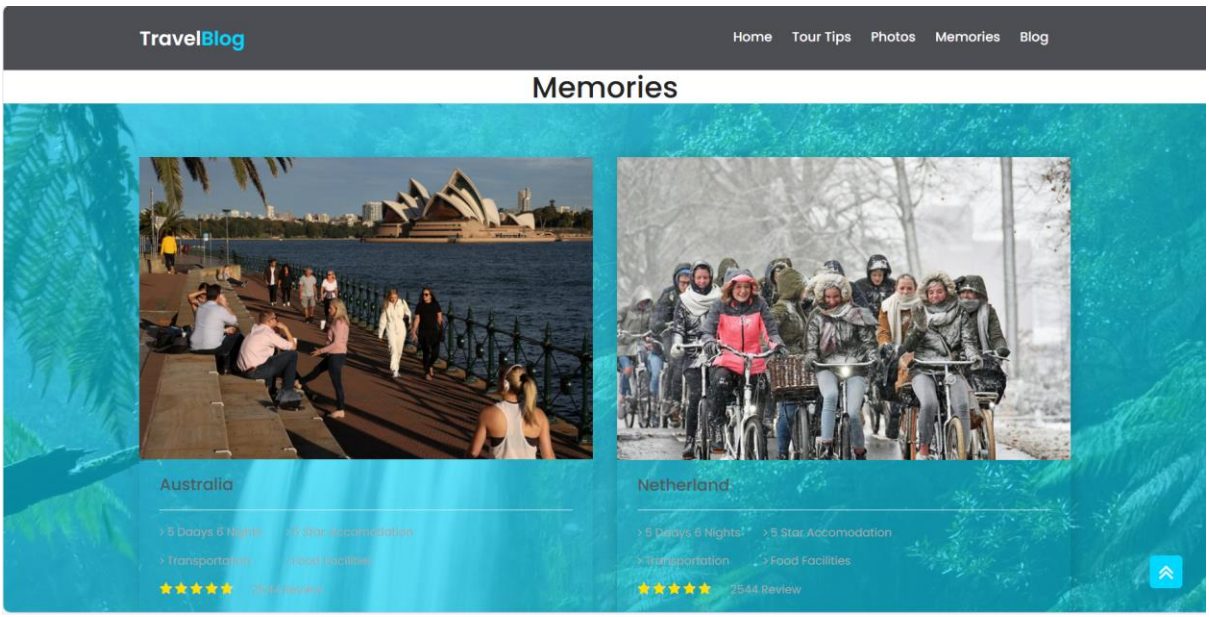
Project Screenshots:

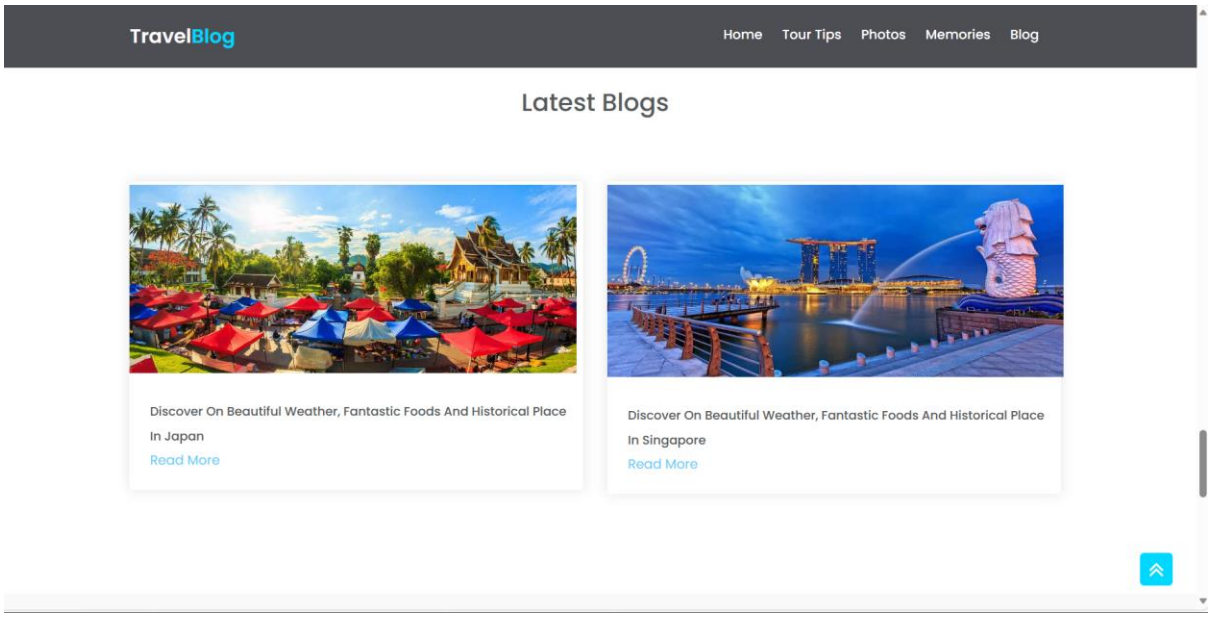
Index.html





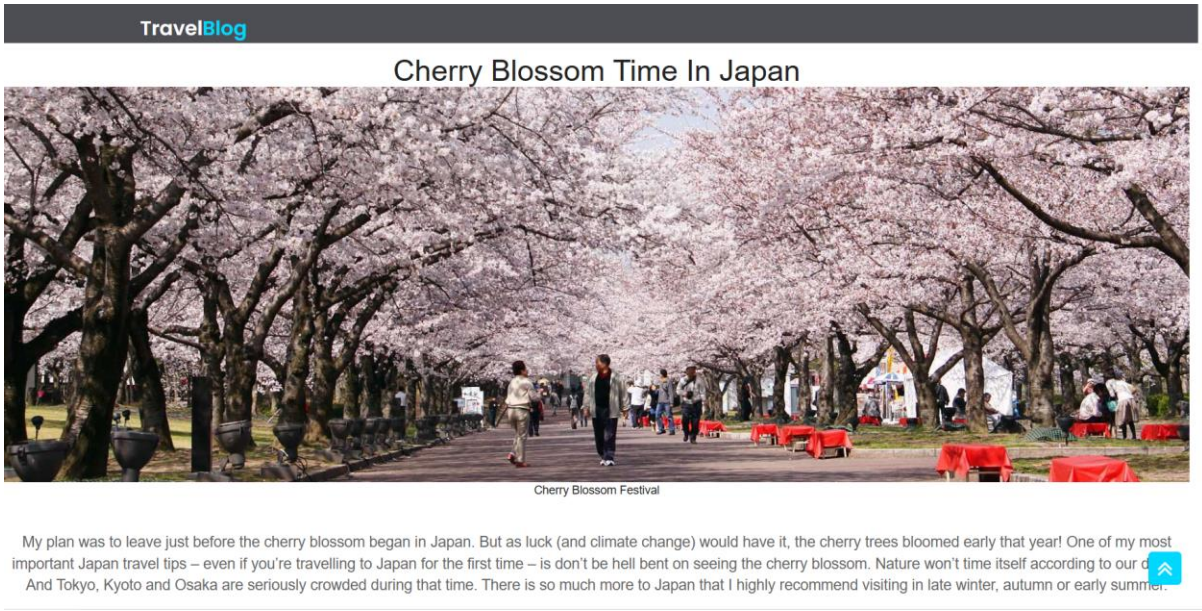

TravelBlog
Home
Tour Tips
Photos
Memories
Blog
TOP PLACES
"BE FEARLESS IN THE PURSUIT OF WHAT SETS YOUR SOUL ON FIRE"


TravelBlog
Home
Tour Tips
Photos
Memories
Blog
Memories
Australia
Netherland
5 Daays 6 Nights
5 Star Accomodation
Transportation
Food Facilities
2544 Review

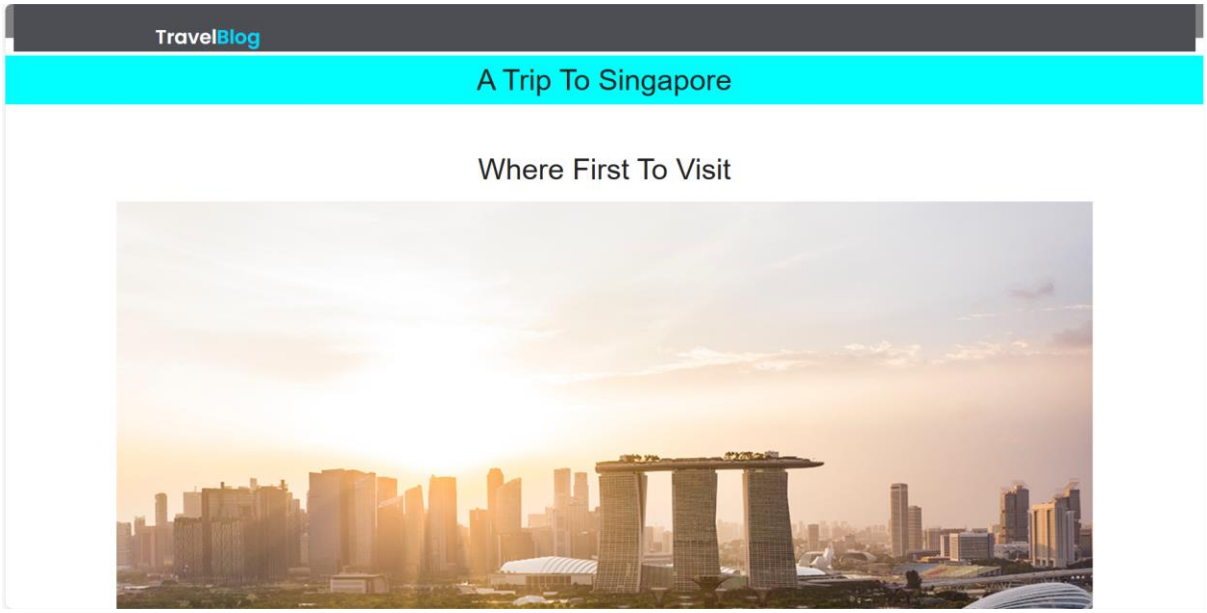

TravelBlog
Home
Tour Tips
Photos
Memories
Blog
Latest Blogs
Discover On Beautiful Weather, Fantastic Foods And Historical Place In Japan
Read More
Discover On Beautiful Weather, Fantastic Foods And Historical Place In Singapore
Read More

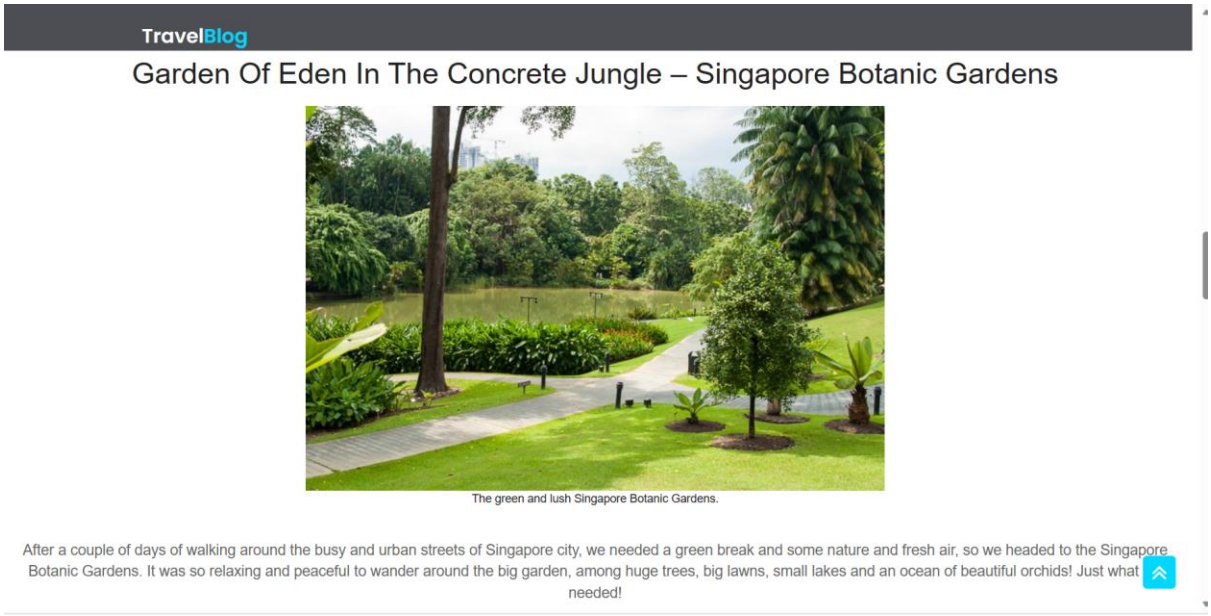
Japan.html


TravelBlog
Traveling To Japan For The First Time
When Is The Best Time To Go To Japan?



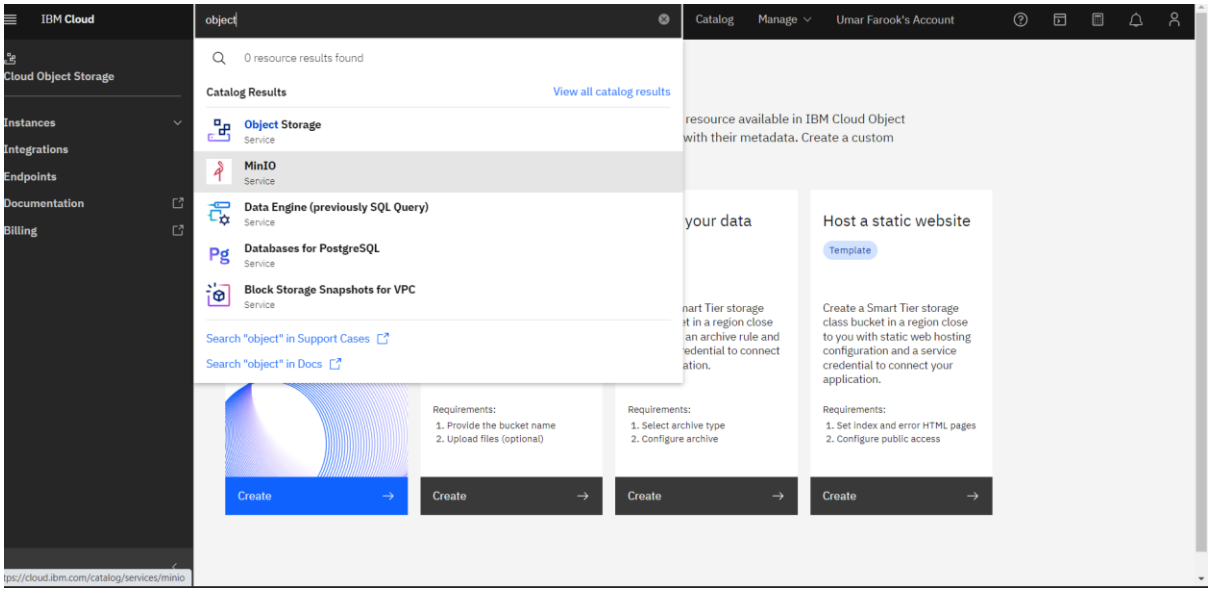
Singapore.html



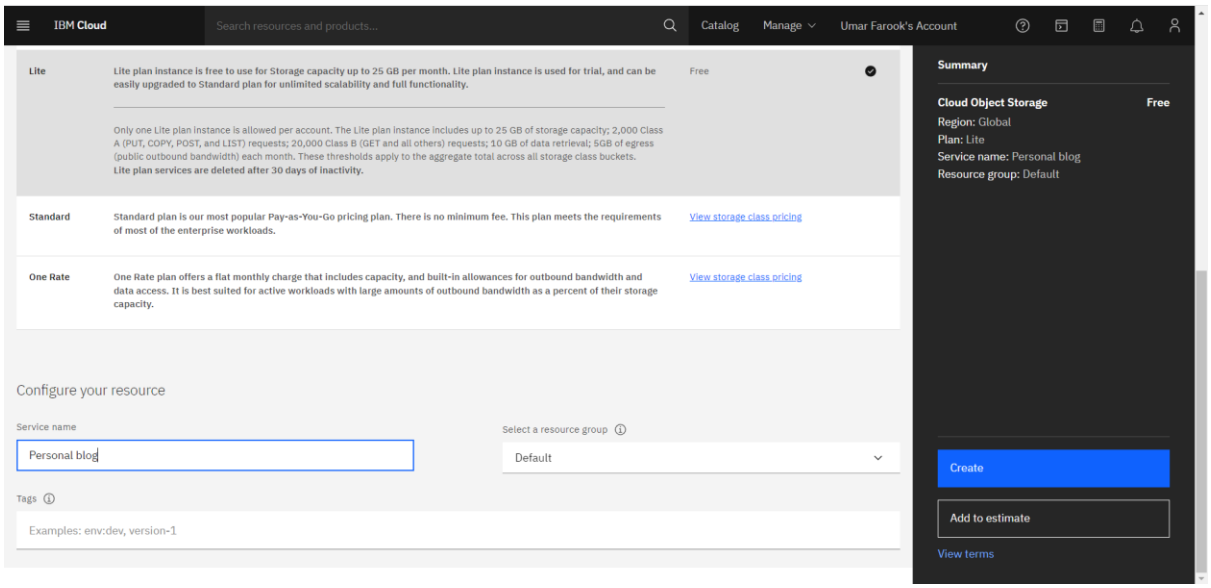


Procedure to how to deploy website in IBM cloud storage and access website:

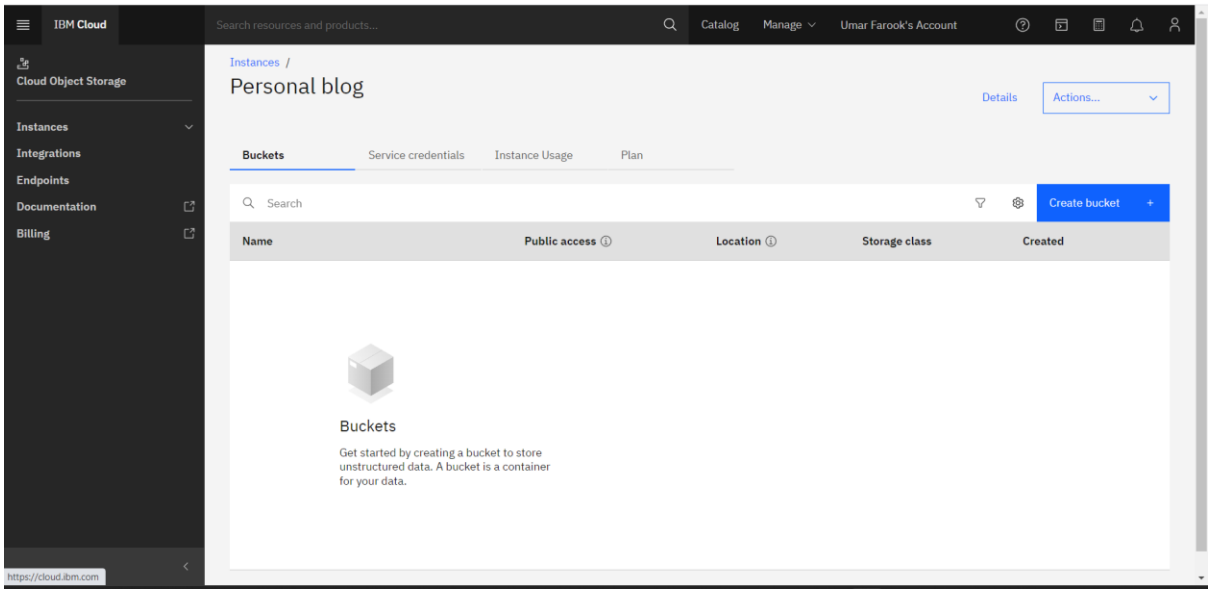
First Login to your IBM cloud storage account and then search object storage service in catalogue.



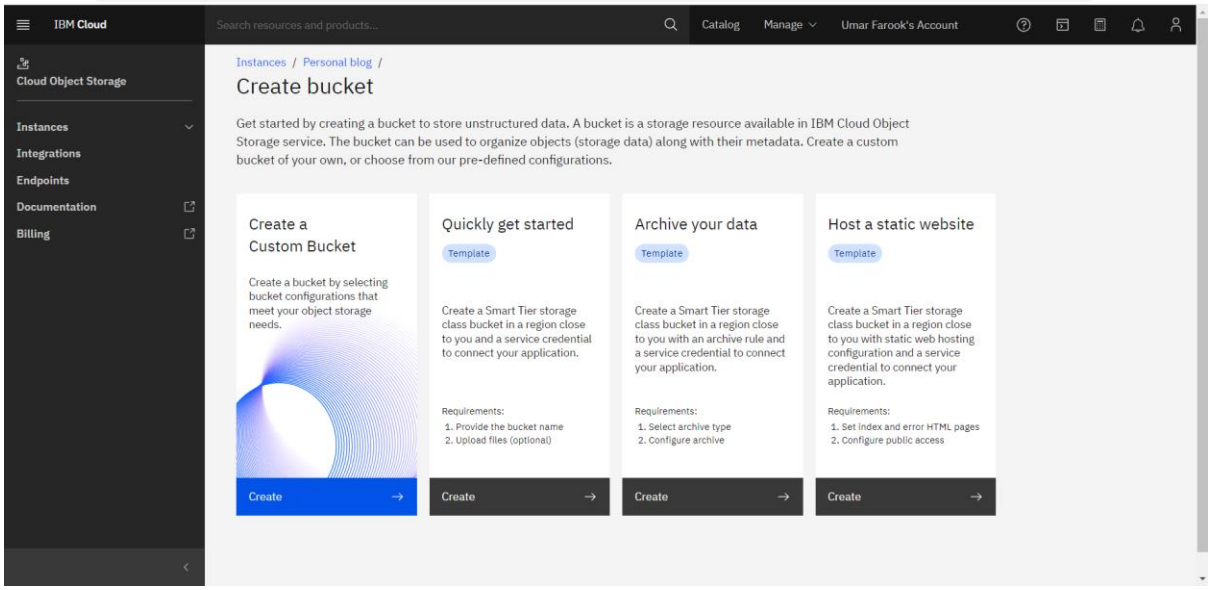
Give any Service name to your storage and create it.



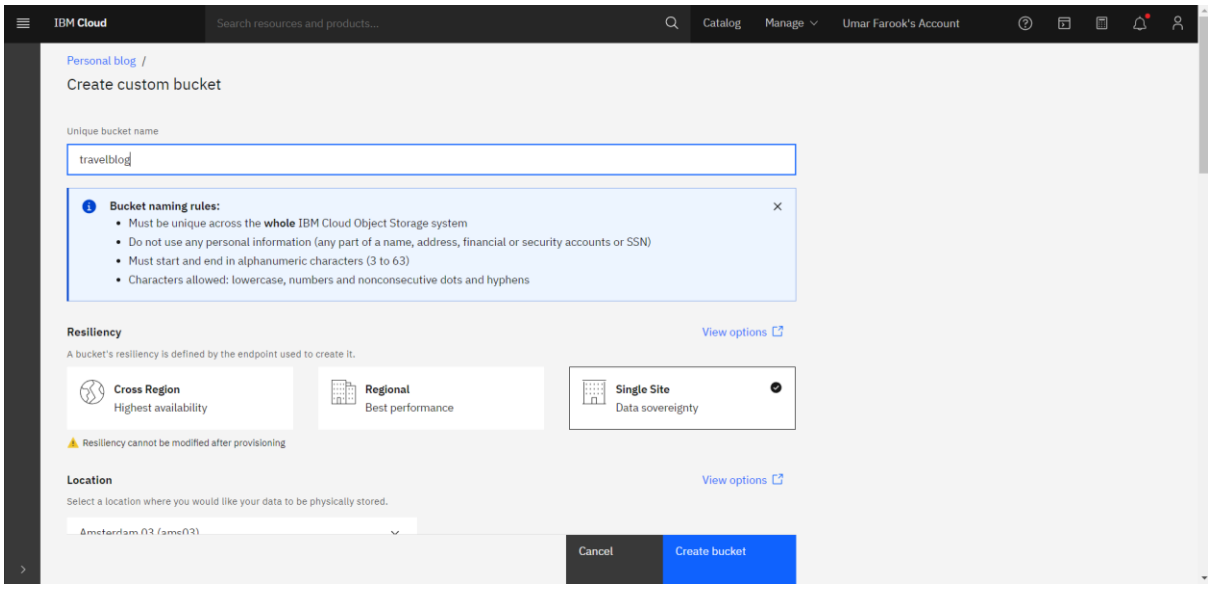
Now it is created then start by create bucket which is at the top right corner click on it.



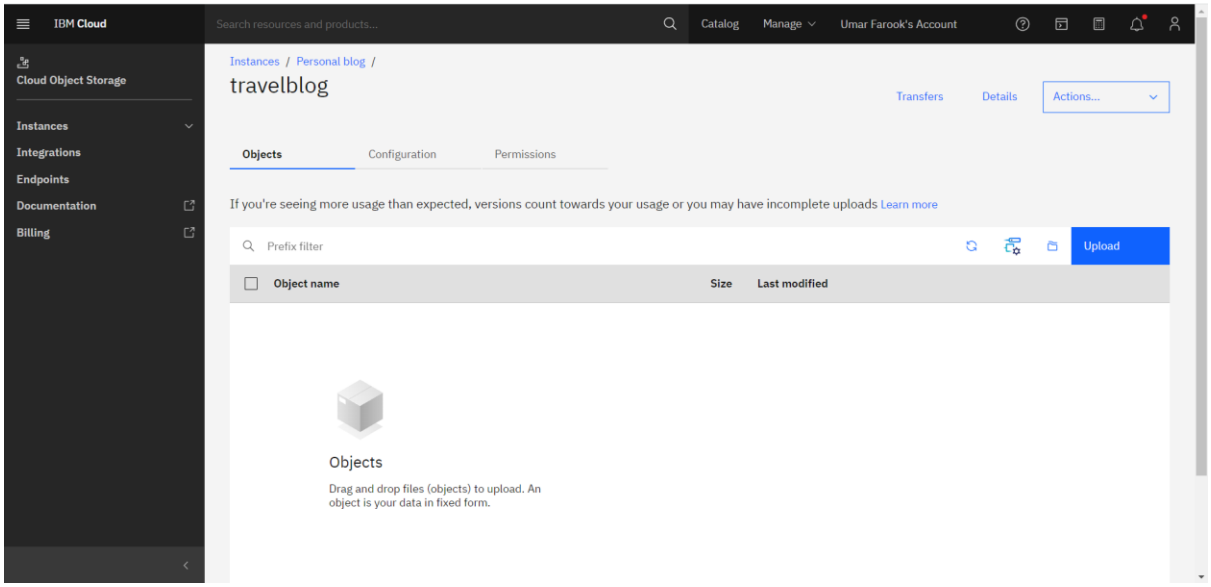
You can see the below screen, there you have create a custom bucket click on it.

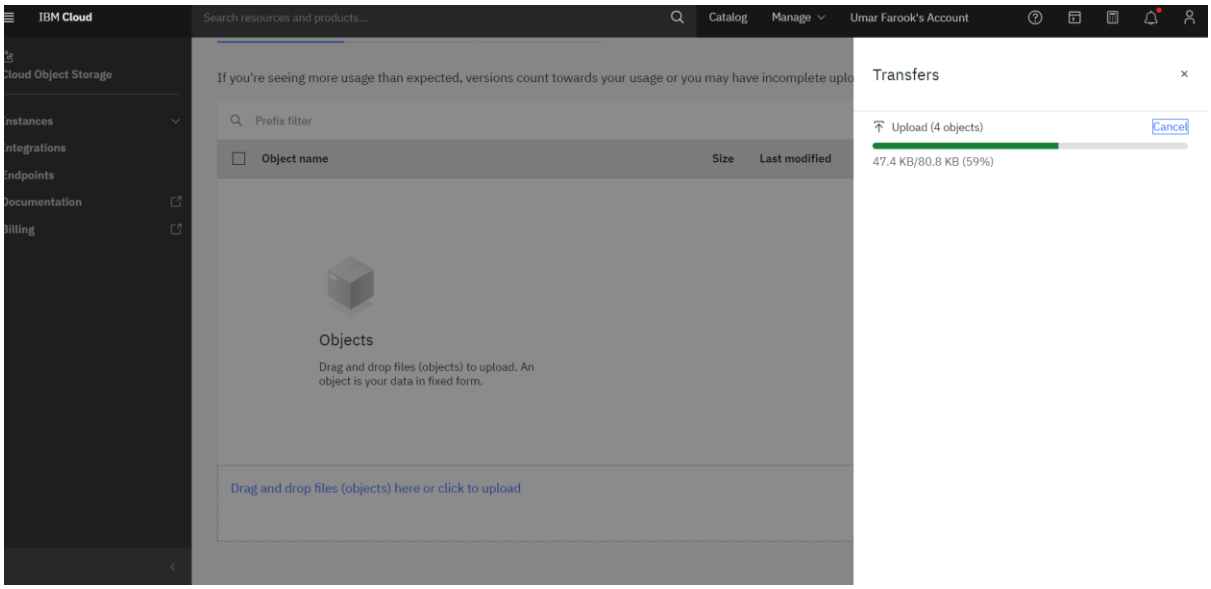


Give a Unique bucket name and select the single site option below then you can create you bucket by clicking the button below.

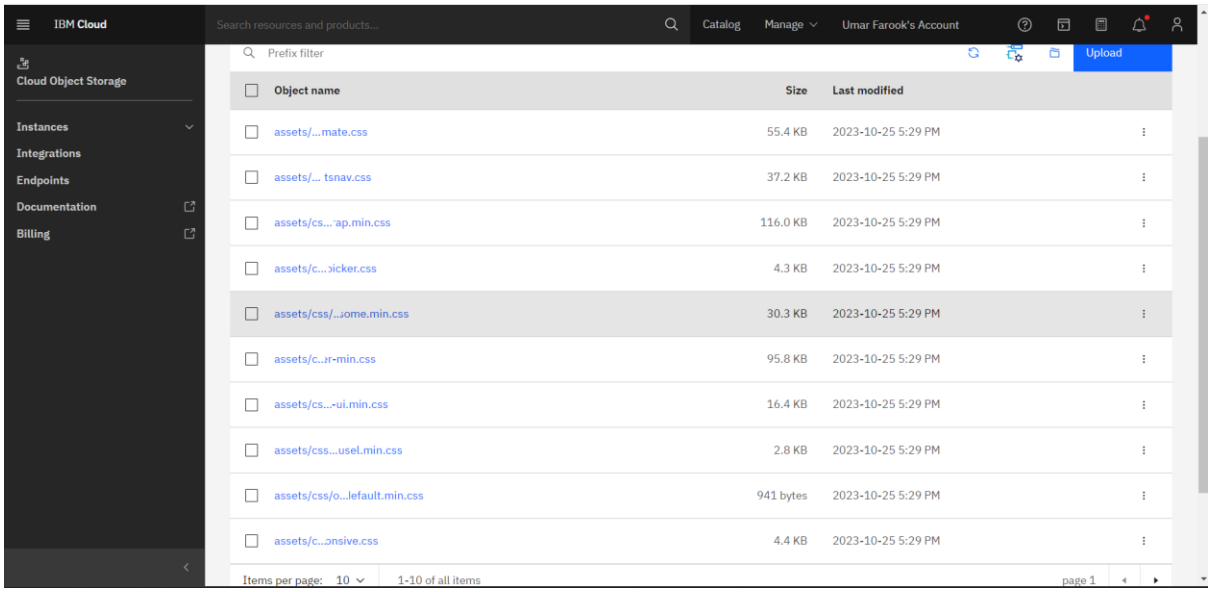


Now your bucket is created upload your Html, CSS and image files.

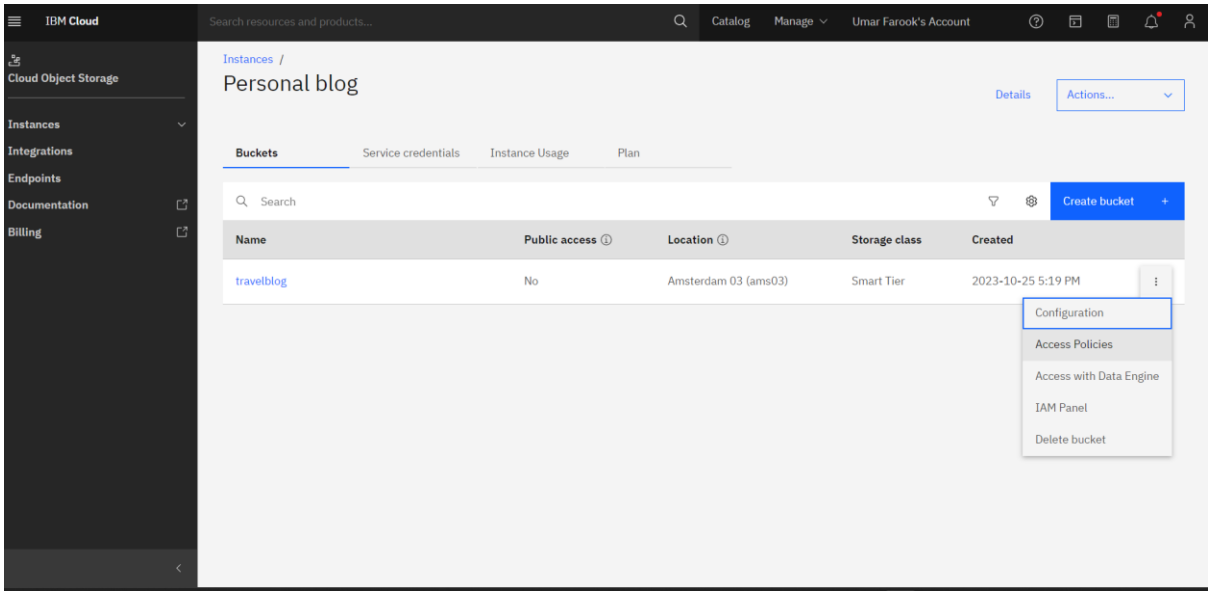




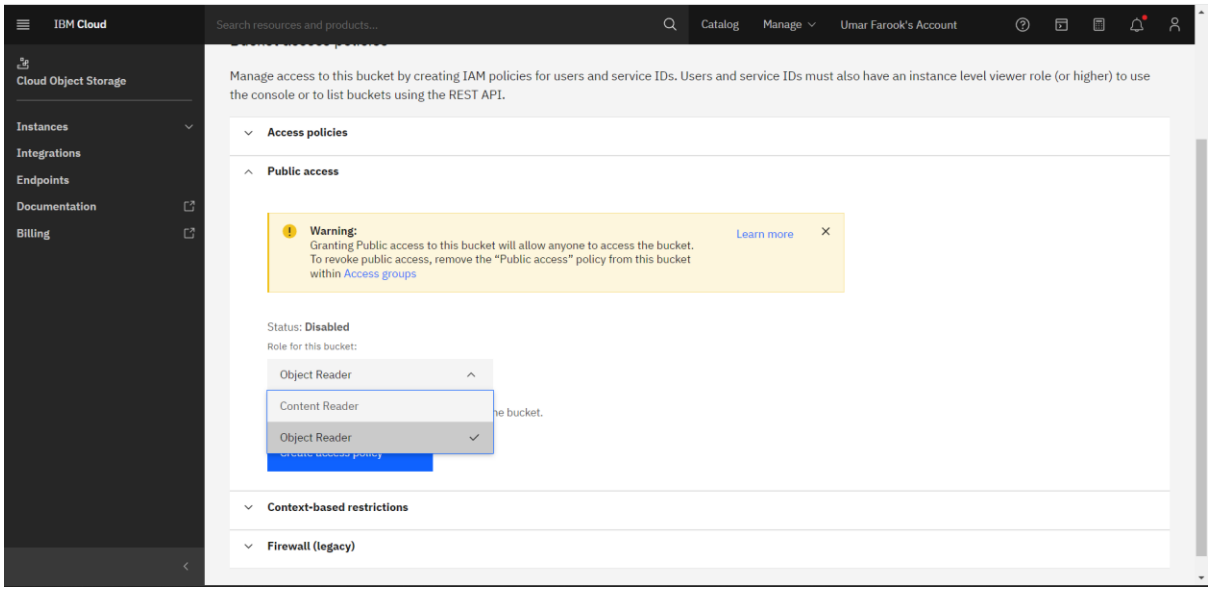
After upload is successfully completed. you have a screen like below.



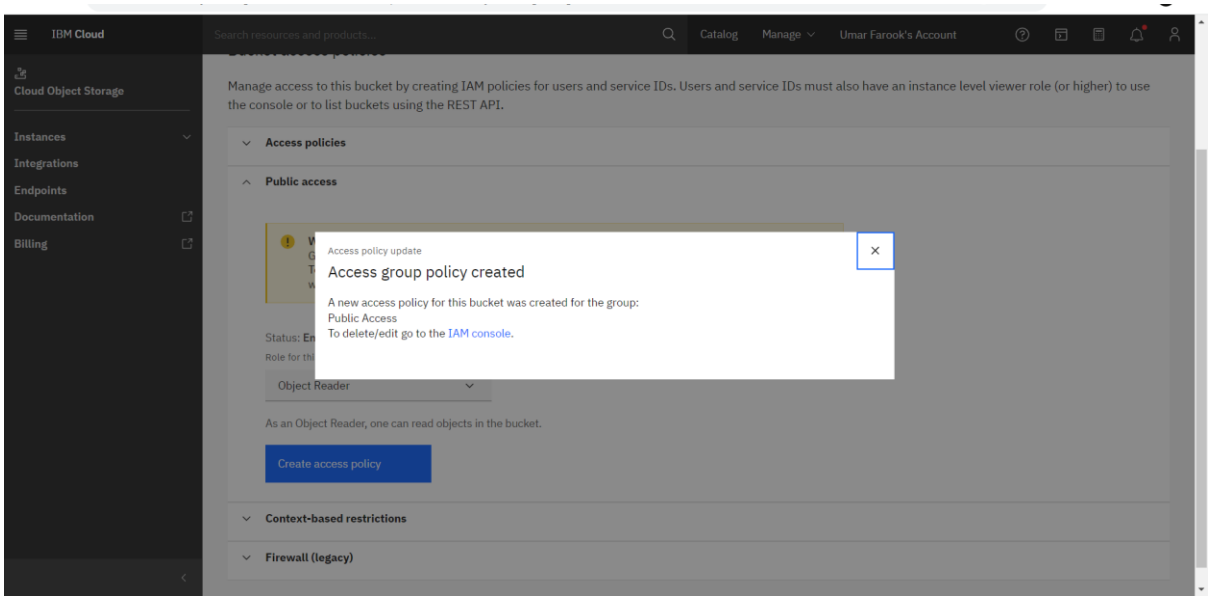
For Viewing your public URL, go back to bucket page and then you have seen a 3 dots icon on right side click on the Access policies.



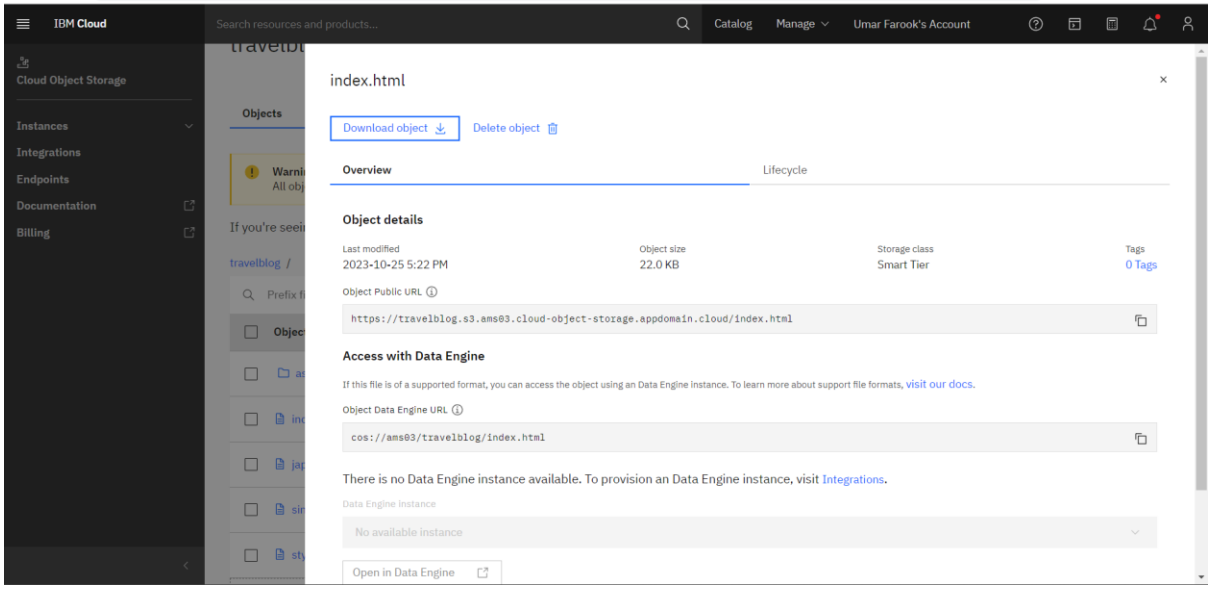
Change the Content Reader to Object Reader and create the access policy.



Once it is created you can access your URL publicly.

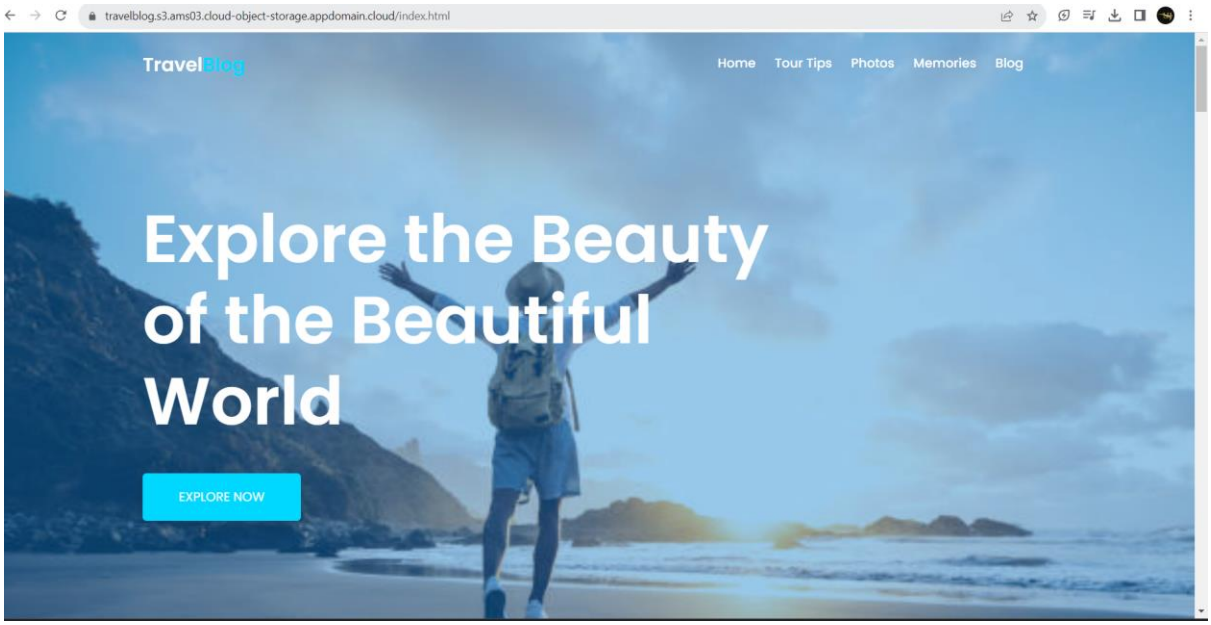


Next go to your index or main html file of website and click on it there you will find public access URL copy it and paste it in your web browser Finally you can see your website there.



If public URL is not visible then go to configure, and enable public access for static web hosting and click save button. Then you will find your public URL

Your website is displayed as below



You can see our website using the below link:

https://travelblog.s3.ams03.cloud-object-storage.appdomain.cloud/index.html

You can access our project in the below GitHub link:

https://github.com/Umarfarook1912/Personal-Blog-on-IBM-Cloud-Static-Web-Apps.git

Conclusion:

The Travel Blog Website project successfully creates a user-friendly platform for travellers to share their adventures, discover top travel destinations, and find the best hotels. With a robust set of features, interactive maps, and a supportive user community, this project caters to the needs of wanderlust enthusiasts. By implementing a responsive design, user-friendly content creation, and strong technical foundations, the project offers a seamless and engaging experience for travellers and opens the door to a world of exploration and discovery.