PERSONAL BLOG ON IBM CLOUD STATIC WEB APPS

PROBLEM DEFINITION:

In this part you will continue building your project.

Continue building the travel blog by setting up the IBM Cloud Static Web App and deploying the website.

Sign up for an IBM Cloud account.

Create a new Static Web App and follow the prompts to set up the repository, build pipeline, and deployment options.

Choose a static site generator like Jekyll or Hugo to make it easy to update and manage the blog content. This would involve converting your HTML content into template files that can be easily updated.

DEVELOPMENT OF PERSONAL BLOG:

1. Image Slider:

An image slider is space-efficient. It allows you to display multiple images within a limited space on your blog post. This is particularly useful when you want to showcase a collection of photos without overwhelming the page with a long scrolling gallery.

HTML:

```
<div class="slider">
    <div class="slide">
        <img src="image1.jpg" alt="Image 1">
    </div>
    <div class="slide">
        <img src="image2.jpg" alt="Image 2">
    </div>
    <div class="slide">
```

```html
        <img src="image3.jpg" alt="Image 3">
      </div>
   </div>
```

CSS:

```css
body {
   margin: 0;
   padding: 0;
   display: flex;
   justify-content: center;
   align-items: center;
   height: 100vh;
   background-color: #f0f0f0;
}
.slider {
   width: 400px;
   overflow: hidden;
}
.slide {
   width: 100%;
   display: none;
}
img {
   width: 100%;
   height: auto;
}
```

JavaScript:

```javascript
const slides = document.querySelectorAll('.slide');
let currentSlide = 0;
function showSlide(slideIndex) {
  if (slideIndex < 0) {
    currentSlide = slides.length - 1;
  } else if (slideIndex >= slides.length) {
    currentSlide = 0;
  }


  slides.forEach((slide, index) => {
    if (index === currentSlide) {
      slide.style.display = 'block';
    } else {
      slide.style.display = 'none';
    }
  });
}
function nextSlide() {
  currentSlide++;
  showSlide(currentSlide);
}
function prevSlide() {
  currentSlide--;
  showSlide(currentSlide);
}
showSlide(currentSlide);
setInterval(nextSlide, 3000);
```

2. Interactive Map:

Adding Embed interactive maps using services like Google Maps or Mapbox.

HTML :

```html
<div id="map"></div>
```

CSS :

```css
map {
height: 300px;
width: 100%;
}
```

JavaScript :

```javascript
<script>
function initMap() {
     const location = { lat: 48.8588443, lng: 2.2943506 };
     const map = new
google.maps.Map(document.getElementById('map'), {
     center: location,
zoom: 14
});
const marker = new google.maps.Marker({ position: location, map: map });
}
</script>
<script async defer
src="https://maps.googleapis.com/maps/api/js?key=YOUR_API_KEY&callba
ck=ini tMap"></script>
```

3. Image Lightbox :

It allows users to view images in a larger, interactive lightbox when they click on them.

HTML :
```html
<img src="paris.jpg" alt="Paris" class="lightbox-trigger">
```

CSS :

```css
.lightbox {
display: none;
position: fixed;
top: 0;
left: 0;
width: 100%;
height: 100%;
background: rgba(0, 0, 0, 0.8); text-align: center;
}
.lightbox img {
max-width: 80%;
max-height: 80%;
margin: 10% auto;
}
```

JavaScript :
```javascript
<script>
const lightboxTrigger = document.querySelector('.lightbox-trigger');
const lightbox = document.createElement('div'); lightbox.className =
'lightbox';
lightboxTrigger.addEventListener('click', () => {
```

```
lightbox.innerHTML = `<img src="${lightboxTrigger.src}"
alt="${lightboxTrigger.alt}">`;
document.body.appendChild(lightbox); lightbox.style.display = 'block';
});
lightbox.addEventListener('click', () => { lightbox.style.display = 'none';
});
</script>
```

4. Social Media Sharing Buttons:

Adding social media sharing buttons to our blog posts.

#HTML :

```
<div class="share-buttons">

 <a
 href="https://www.facebook.com/share?url=YOUR_BLOG_POSTURL
 ">Facebook

</a>

 <a
 href="https://twitter.com/share?url=YOUR_BLOG_POST_URL&text=C
 heck out this awesome travel blog!">Twitter</a>

</div>
```

#CSS

```
.share-buttons {

margin-top: 10px;

.share-buttons a {

margin-right: 10px;

text-decoration: none;}
```

5. Comments Section:

It allows users to leave comments on our blog posts.

```
#HTML
<div class="comments">
<h3>Comments</h3>
<div class="comment">
<p>Great post! I love Paris.</p>
</div>
<!--Can Add more comments if needed here -->
</div>

#CSS
.comments {
margin-top: 20px;
}
.comment {
border: 1px solid #ccc; padding: 10px;
margin-bottom: 10px;
}
```

CONCLUSION:

The goal is to share travel experiences, its and captivating photos to inspire others to explore the world and create unforgettable memories. Updating the blog frequently with new content keeps the readers engaged and helps keep the blog fresh for any new readers.