

Personal Blog on IBM Cloud Static Web App

Team Members

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Project Title: Personal Travel blog

Phase 2: Innovation

Integrating social media sharing buttons, interactive maps, and comment sections to enhance user engagement and interaction.

Objective:

The primary objective of the personal blog, hosted on the IBM Cloud as a static web app, is to share the passion for the travel and adventure while demonstrating the capabilities of IBM Cloud for hosting static websites.

Interaction Features:

- Social media sharing buttons allow users to easily share the website content with their friends and followers on various platforms, such as Facebook, X, Linked In, WhatsApp, etc.
- Interactive maps can provide users with useful information about the location. They can also create a sense of connection and trust between the website and the users.
- Comment sections can enable users to express their opinions, feedback, or questions about the website content. They can also foster a sense of community and engagement among the users, as well as provide valuable insights for the website owners

Program:

Created separate files named index.html, style.css and main.js to implement the given requirements.

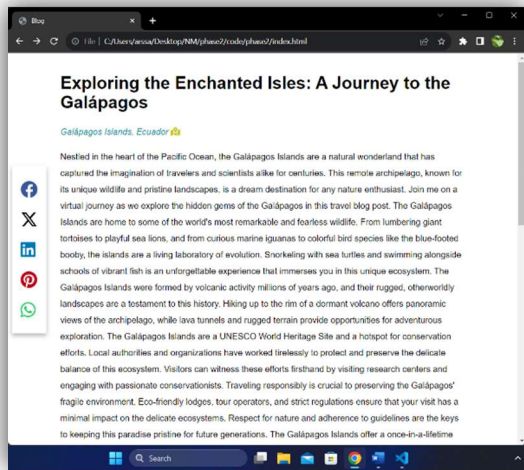


Fig. 1 – A blog post with social media sharing button and interactive map section

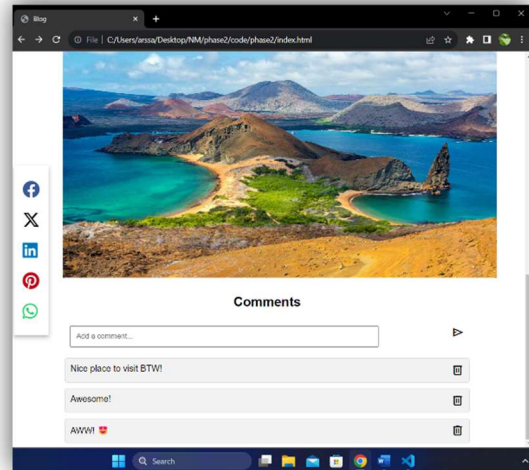


Fig. 2 – A blog post with comment section

index.html

This is the file that contains the HTML code of the website. It is the main entry point of the website. The index file can link to other files, such as style and main, using the `<link>` or `<script>` tags.

Code:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Blog</title>
    <link rel="stylesheet" href="style.css" />
    <link
      rel="stylesheet"
      href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.4.2/css/all.min.css"
    />
    <link rel="stylesheet"
      href="https://fonts.googleapis.com/css2?family=Material+Symbols+Outlined:opsz,wght,FILL,GRAD@24,400,0,0" />
  </head>
  <body>
    <div class="share-btn-container">
      <a href="#" class="facebook-btn">
        <i class="fab fa-facebook"></i>
      </a>

      <a href="#" class="twitter-btn">
        <i class="fab fa-x-twitter"></i>
      </a>
```

```

<a href="#" class="linkedin-btn">
  <i class="fab fa-linkedin"></i>
</a>

<a href="#" class="pinterest-btn">
  <i class="fab fa-pinterest"></i>
</a>

<a href="#" class="whatsapp-btn">
  <i class="fab fa-whatsapp"></i>
</a>

</div>

<div class="content">
  <h1 id="title">Exploring the Enchanted Isles: A Journey to the Galápagos</h1>

  <p>
    <a href="https://www.google.com/maps?q=Galápagos&ie=UTF8" class="maps-btn">
      <i id="location">Galápagos Islands, Ecuador</i>
      <i class="fa-solid fa-map-location-dot"></i>
    </a>
  </p>

  <p>
    Nestled in the heart of the Pacific Ocean, the Galápagos Islands are a natural
    wonderland that has captured the imagination of travelers and scientists alike for
    centuries. This remote archipelago, known for its unique wildlife and pristine landscapes,
    is a dream destination for any nature enthusiast. Join me on a virtual journey as we
    explore the hidden gems of the Galápagos in this travel blog post.

    The Galápagos Islands are home to some of the world's most remarkable and fearless
    wildlife. From lumbering giant tortoises to playful sea lions, and from curious marine
    iguanas to colorful bird species like the blue-footed booby, the islands are a living
    laboratory of evolution. Snorkeling with sea turtles and swimming alongside schools of
    vibrant fish is an unforgettable experience that immerses you in this unique ecosystem.

    The Galápagos Islands were formed by volcanic activity millions of years ago, and
    their rugged, otherworldly landscapes are a testament to this history. Hiking up to the rim
    of a dormant volcano offers panoramic views of the archipelago, while lava tunnels and
    rugged terrain provide opportunities for adventurous exploration.

    The Galápagos Islands are a UNESCO World Heritage Site and a hotspot for
    conservation efforts. Local authorities and organizations have worked tirelessly to protect
    and preserve the delicate balance of this ecosystem. Visitors can witness these efforts
    firsthand by visiting research centers and engaging with passionate conservationists.

    Traveling responsibly is crucial to preserving the Galápagos' fragile environment.
    Eco-friendly lodges, tour operators, and strict regulations ensure that your visit has a
    minimal impact on the delicate ecosystems. Respect for nature and adherence to guidelines
    are the keys to keeping this paradise pristine for future generations.

    The Galápagos Islands offer a once-in-a-lifetime opportunity to connect with nature
    in its purest form. Whether you're a wildlife enthusiast, an adventure seeker, or simply
    someone who craves the serenity of untouched landscapes, the Galápagos Islands will leave
    an indelible mark on your soul. Embrace the enchantment of these islands, and you'll find
    yourself forever captivated by their beauty and biodiversity.
  </p>

```

```

</div>

<div class="comment-container">
  <h2>Comments</h2>
  <div class="container">
    <input id="commentInput" type="text" placeholder="Add a comment...">
    <span class="material-symbols-outlined send" onclick="addComment()">send</span>
  </div>
  <div id="comments"></div>
</div>

<script src="main.js"></script>
</body>
</html>

```

Whenever the mentioned place is clicked from the blog post, Google Maps will launch and display the location.

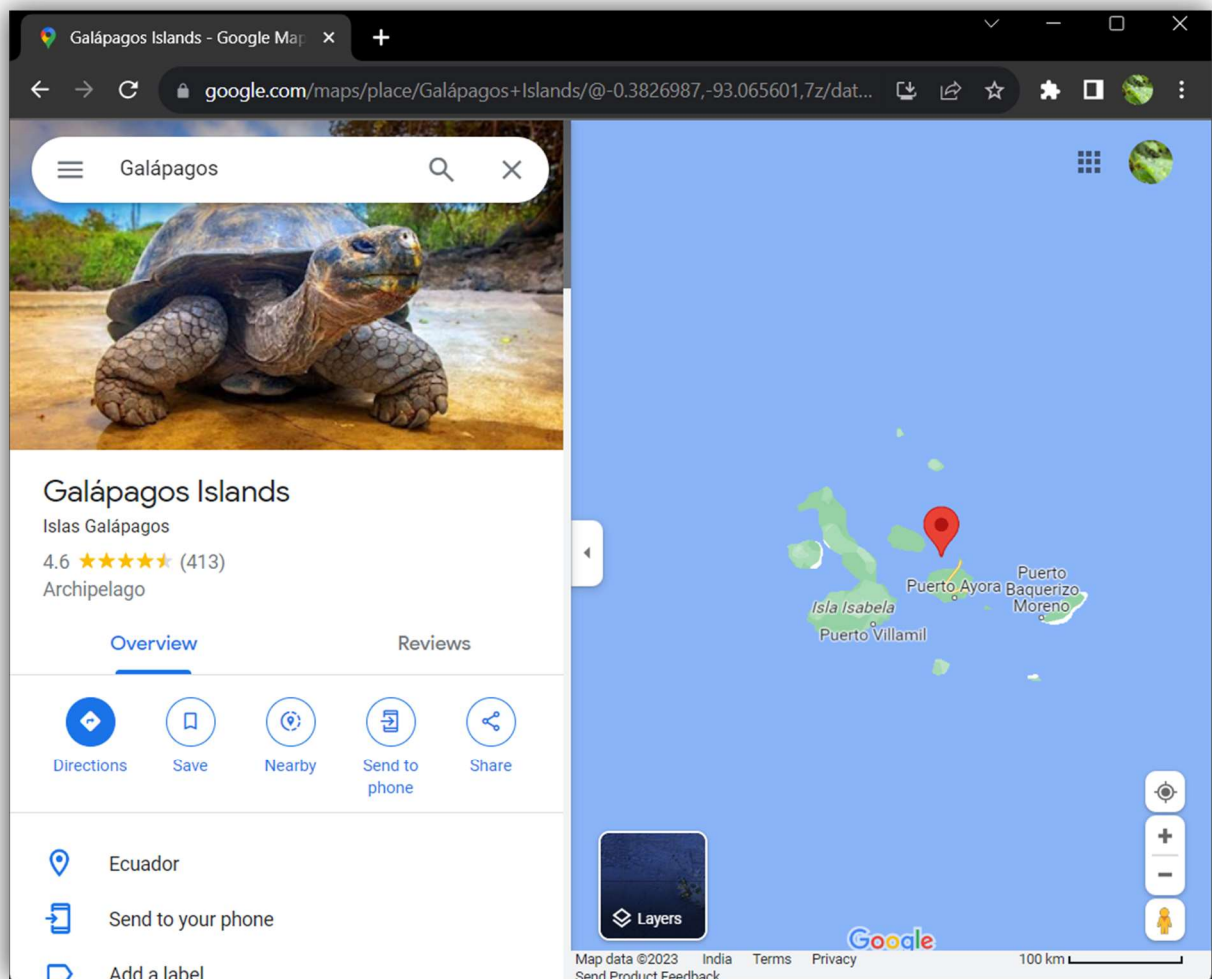


Fig. 3 – Location on the map

style.css

This is the file that contains the CSS code of the website. It is linked to the index file using the `<link>` tag with the attribute `rel="stylesheet"`. The style file can define the colors, fonts, margins, borders, backgrounds, and other visual aspects of the web pages.

Code:

```
/* Content */

.content {
  padding: 8px 90px;
  font-family: "Roboto", sans-serif;
}

.content p {
  line-height: 1.9;
}

.content img {
  max-height: 500px;
}

/* Share Buttons */

.share-btn-container {
  background: #fff;
  display: flex;
  flex-direction: column;
  padding: 16px;
  box-shadow: 0 4px 8px rgba(0, 0, 0, 0.3);
  position: fixed;
  top: 50%;
  transform: translateY(-50%);
}

.share-btn-container a i {
  font-size: 32px;
}

.share-btn-container a {
  margin: 12px 0;
  transition: 500ms;
}

.share-btn-container a:hover, .maps-btn :hover{
  transform: scale(1.2);
}

.share-btn-container .fa-facebook {
  color: #3b5998;
}

.share-btn-container .fa-x-twitter {
  color: #000000
}
```

```

.share-btn-container .fa-linkedin {
  color: #0077b5;
}

.share-btn-container .fa-pinterest {
  color: #bd081c;
}

.share-btn-container .fa-whatsapp {
  color: #25d366;
}

.maps-btn .fa-map-location-dot {
  color: #cdca15;
  transition: 500ms;
}

.maps-btn {
  text-decoration: none;
  color: #1c95a2;
}

/* Media Queries */

@media (max-width: 550px) {
  .content {
    padding: 8px 32px;
  }

  .share-btn-container {
    transform: unset;
    top: unset;
    left: 0;
    bottom: 0;
    width: 100%;
    flex-direction: row;
    box-shadow: 4px 0 8px rgba(0, 0, 0, 0.3);
    padding: 16px 0;
    justify-content: center;
  }

  .share-btn-container a {
    margin: 0 32px;
  }
}

.container{
  display: flex;
  justify-content: space-between;
  padding: 10px;
  margin: 10px 0;
}

.comment-container {
  width: 80%;
  margin: 0 auto;
  font-family: Arial, sans-serif;
}

.comment-container h2 {
  text-align: center;
}

```

```

#commentInput{
  width:75%;
  padding:10px;
}
.comment {
  display: flex;
  justify-content: space-between;
  background-color: #f2f2f2;
  padding: 10px;
  margin: 10px 0;
  border: 1px solid #ddd;
  border-radius: 5px;
}
.comment-actions {
  display: flex;
}
.delete-button {
  background-color: #ff5757;
  color: white;
  border: none;
  padding: 5px 10px;
  margin-left: 5px;
  cursor: pointer;
}
.material-symbols-outlined:hover{
  cursor:pointer;
}
.send{
  font-size:30px;
}

```

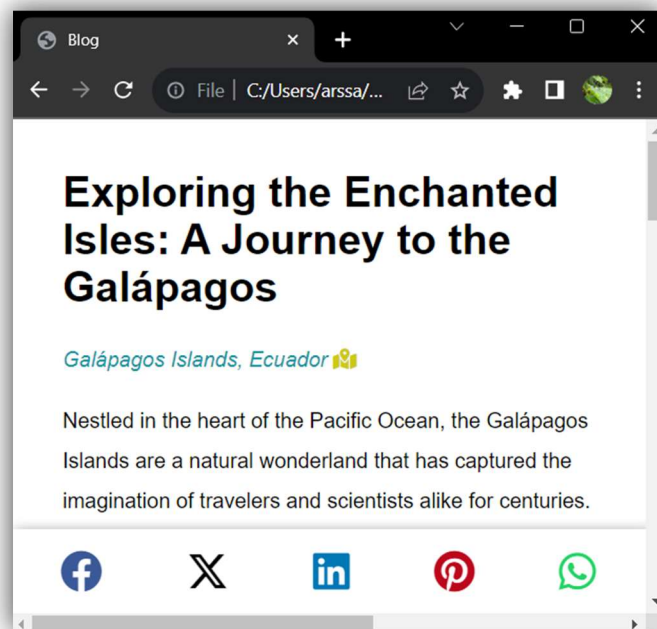


Fig. 4 – Responsive Design

main.js

This is the file that contains JS code of the website. It is used to add interactivity and functionality to the webpages. The file is linked to the index file using the `<script>` tag with the attribute `src="main.js"`. The main file can create dynamic effects, handle user event, manipulate the HTML elements, communicate with servers, and perform other tasks on the web pages.

Code:

```
const facebookBtn = document.querySelector(".facebook-btn");
const twitterBtn = document.querySelector(".twitter-btn");
const pinterestBtn = document.querySelector(".pinterest-btn");
const linkedinBtn = document.querySelector(".linkedin-btn");
const whatsappBtn = document.querySelector(".whatsapp-btn");

function init() {
  const pinterestImg = document.querySelector(".pinterest-img");

  let postUrl = encodeURI(document.location.href);
  let postTitle = encodeURI(document.getElementById("title").textContent);
  let postImg = encodeURI(pinterestImg.src);

  facebookBtn.setAttribute(
    "href",
    `https://www.facebook.com/sharer.php?u=${postUrl}`
  );

  twitterBtn.setAttribute(
    "href",
    `https://twitter.com/share?url=${postUrl}&text=${postTitle}`
  );

  pinterestBtn.setAttribute(
    "href",
    `https://pinterest.com/pin/create/bookmarklet/?media=${postImg}&url=${postUrl}&description=${postTitle}`
  );

  linkedinBtn.setAttribute(
    "href",
    `https://www.linkedin.com/shareArticle?url=${postUrl}&title=${postTitle}`
  );

  whatsappBtn.setAttribute(
    "href",
    `https://wa.me/?text=${postTitle} ${postUrl}`
  );
}

init();
```



```
commentInput.addEventListener("keyup", (event) => {if (event.key == "Enter")
{addComment();}});
```

```
function addComment() {
  const commentInput = document.getElementById("commentInput");
  const commentText = commentInput.value.trim();

  if (commentText !== "") {
    const commentsContainer = document.getElementById("comments");
    const commentDiv = document.createElement("div");
    commentDiv.classList.add("comment");
    commentDiv.innerHTML = `
      <div>${commentText}</div>
      <div class="comment-actions">
        <span class="material-symbols-outlined"
onclick="deleteComment(this)">delete</span>
      </div>
    `;
    commentsContainer.appendChild(commentDiv);
    commentInput.value = "";

    window.scrollTo(0, document.body.scrollHeight);
  }
}

function deleteComment(button) {
  const commentDiv = button.closest(".comment");
  commentDiv.remove();
}
```

Conclusion:

Integrating social media sharing buttons, interactive maps, and comment sections can be a good way to enhance user engagement and interaction on a website. However, it also requires careful planning, implementation, and management to ensure that these features work effectively and safely.