

CLOUDAPPLICATIONDEVELOPMENT-GROUP5

ProjectTitle:PersonalTravelBlog

ProblemStatement:CreatingapersonaltravelbloghostedonIBM Cloud Static WebApps is an exciting project that requires careful planning and execution.

1. DefineYourBlog'sPurposeandAudience:

Clarifythepurposeofyourtravelblog.Isittoinspireothers,share travel experiences, or provide practical travel tips?

Identifyyourtargetaudience,asthiswillinfluenceyourcontentand design decisions.

2. ContentPlanning:

Structureyourblogwiththefollowingsections:

Home:Introductionandlatestposts.

TravelStories:Detaileddaccountsofyouradventures. Travel

Tips: Practical advice for fellow travellers.

Photos:Agallery showcasing your captivating travel photos.

Map:Aninteractivemapdisplayingtheplacesyou'vevisited.

3. ContentCreation:

Writeengagingandinformativetravelstories.Includepersonal anecdotes, local insights, and any unique experiences.

Sharepracticaltraveltips,suchaspackingguides,budgetingadvice, and destination recommendations.

Curateandoptimizeyourtravelphotos.Useimagecaptionstoadd context and enhance storytelling.

Considerincorporatingvideosorvlogsforanimmersiveexperience.

4. WebsiteDesign:

Create user-friendly and visually appealing layout using HTML and CSS.

Ensure your blog is responsive, so it looks good on various devices.

Consider adding interactive elements using JavaScript, like a search feature or a comment section.

Choose a colour scheme and typography that aligns with your blog's theme and personality.

5. IBM Cloud Setup:

Sign up for an IBM Cloud account if you don't have one already.

Create a Static Web App in IBM Cloud to host your blog. You can follow IBM's documentation for guidance.

Set up a custom domain if desired.

6. Content Management:

Choose a suitable CMS or static site generator for your blog. Popular options include Jekyll, Hugo, or WordPress (for a headless CMS).

If using a CMS, customize it to match your blog's design.

Ensure your chosen CMS or static site generator allows for easy content updates and publishing.

7. SEO and Social Integration:

Optimize your blog for search engines (SEO) by using relevant keywords and meta tags.

Integrate social sharing buttons to encourage readers to share your content.

Consider adding a newsletter sign-up form to build an email list.

8. Regular Updates:

Plan a content calendar to maintain a consistent posting schedule. Engage with your audience through comments and social media. Continuously improve your blog based on user feedback.

9. Backup and Security:

Implement regular backups of your blog's content and settings.

Ensure your blog is secure by using HTTPS and keeping software up to date.

10. Analytics:

Set up website analytics to track user behaviour and engagement. Use the data to refine your content and marketing strategies.

PERSONAL BLOG ON STATIC WEB APPS

Here's a continuous workflow for transforming our design concept into a functional personal travel blog hosted on IBM Cloud Static Web Apps:

1. Content Planning and Research:

- ✓ Define the blog's structure, categories, and navigation.
- ✓ Conduct keyword research for SEO optimization.
- ✓ Create a content calendar and plan blog posts.



2. Content Creation:

- ✓ Write engaging blog posts with storytelling elements.
- ✓ Include personal anecdotes and practical travel tips.
- ✓ Curate high-quality travel photos with descriptive captions.
- ✓ Optimize blog posts for search engines.

3. Website Design and Front-end Development:

- ✓ Design the blog's user interface (UI) with a focus on aesthetics and functionality.
- ✓ Implement the UI using HTML, CSS, and JavaScript.
- ✓ Ensure responsive design for various devices.
- ✓ Integrate interactive elements and user-friendly navigation.

4. IBM Cloud Setup:

- ✓ Sign up for an IBM Cloud account and configure account settings.
- ✓ Create a Static Web App on IBM Cloud with a chosen domain.
- ✓ Set up automated deployment of front-end code.

5. Deployment and Hosting:

- ✓ Deploy the front-end code and assets to the IBM Cloud Static Web App.
- ✓ Ensure secure and reliable hosting on IBM Cloud.

6. Content Management:

- ✓ Use a content management system (CMS) or admin panel to publish and manage blog posts.
- ✓ Regularly update the blog with fresh content.
- ✓ Monitor comments and engage with readers.

7. PerformanceOptimization:

- ✓ Monitorwebsiteperformanceandpageloadtimes.
- ✓ Optimizeimagesandassetsforfasterloading.
- ✓ Implementperformanceimprovementsbasedoninsights.

8. SecurityandCompliance:

- ✓ Implementsecuritymeasures,includingSSLcertificates.
- ✓ Conductregularsecurityauditsandkeepsoftwareupdated.
- ✓ Ensurecompliancewithdataprivacyregulations.

9. SEOandMarketing:

- ✓ Continuouslyoptimizethewebsiteforsearchengines.
- ✓ Promotetheblogthroughsocialmediaandemailmarketing.
- ✓ Measureandanalyzewebsitetrafficanduserbehavior.

10. UserTrainingandDocumentation:

- ✓ CreateauserguideorFAQsectionforreaders.
- ✓ Encourageuserfeedbackandmakeimprovements.

11. ScalingandOptimization:

- ✓ Planforscalabilityastheblog'sreadershipgrows.
- ✓ Regularlyoptimizethewebsite'sperformance.

12. BackupandDisasterRecovery:

- ✓ Implementarobustbackupstrategyandoff-sitestorage.
- ✓ Developadisasterrecoveryplan.

13. Documentation and Knowledge Transfer:

- ✓ Maintain comprehensive documentation for the website.
- ✓ Conduct knowledge transfer sessions for team members or stakeholders.

This streamlined process covers all aspects of content creation, web development, hosting, and ongoing maintenance.

Here's a document that discusses the integration of social media sharing buttons, interactive maps, and comment sections to enhance user engagement and interaction:

The Personal Travel Blog hosted on IBM Cloud Static Web Apps is a platform dedicated to sharing travel experiences, tips, and captivating photos. To further enrich the user experience and engage readers effectively, we propose the integration of several innovative features, including social media sharing buttons, interactive maps, and comment sections. These enhancements will not only inspire readers but also foster community interaction and user engagement.

Innovative Solutions

1. Social Media Sharing Buttons

Objective: Encourage readers to share content with their social networks, thereby increasing the blog's reach and engagement.

Implementation:

- Add social media sharing buttons to each blog post, allowing readers to easily share articles on platforms like Facebook, Twitter, Instagram, and Pinterest.
- Customize sharing buttons to include visually appealing icons and concise

sharing prompts.

- Implement OpenGraph Protocol tags to ensure that shared posts display attractive images and descriptions on social media platforms.

Benefits:

- Amplifies the blog's visibility and attracts a broader audience.
- Empowers readers to become advocates for the blog's content.
- Enhances the blog's overall social presence and brand awareness.

1. Interactive Maps

Objective: Provide readers with a dynamic visual representation of travel destinations and itineraries, enhancing their understanding and engagement.

Implementation:

- Embed interactive maps within relevant blog posts, illustrating the geographic context of travel experiences.
- Utilize mapping APIs to create custom maps with markers, routes, and interactive layers.
- Include descriptions, photos, and links to corresponding blog content directly on the map.

Benefits:

- Offers readers an immersive and informative way to explore travel destinations.
- Helps readers plan their own trips by visualizing routes and attractions.
- Increases user engagement by providing interactive and dynamic content.

2. Comment Sections

Objective: Foster community interaction, discussions, and feedback among readers and the blogger.

Implementation:

- Enablecommentsectionsoneachblogpost,allowingreaderstoshare their thoughts, questions, and experiences.
- Implementuser-friendlyandspam-resistantcommentformswithoptions for guest and registered user comments.
- Moderatecommentstoensureapositiveandrespectfulenvironmentfor discussions.

Benefits:

- Createsasenseofcommunityamongreadersandtheblogger.
- Encouragesuser-generatedcontentandvaluableinsights.
- Facilitatesdirectcommunicationandfeedbackbetweenthebloggerand readers.

Conclusion:

By integrating these innovative features – social media sharing buttons, interactivemaps,andcommentsections–intothePersonalTravelBloghosted on IBM Cloud Static Web Apps, we aim to elevate the userexperience,foster reader engagement, and create a dynamic and interactive platform. These enhancements will not only inspire travel enthusiasts but also facilitate valuable interactions and discussions within the blog's community.

CloudAppDevelopment

PersonalBlogonIBMCloudStaticWebApps

Here's an overview of the structure and content for a personal travel blog on a static webpage for CAD Phase 3. Website layout is designed using HTML and CSS. It has been made with engaging content, captivating photos and travel stories as described:

1. Home Page:

- ✓ Welcome Screen: The homepage features a welcome message and the title of your travel blog.
- ✓ Menu: A navigation menu with four options: "Home," "Blog," "About Me," and "Contact."
- ✓ Footer: A footer with copyright information



2. BlogPage:

- ✓ Header: A header with the blog page title.
- ✓ BlogPosts:

1.Yercaud:

- ✓ A blog post with information and captivating pictures about Yercaud.
- ✓ You can use an `<h2>` for the post title and one or more `` tags for images

My Travel Blog

[Home](#) [Blog](#) [About Me](#) [Contact](#)



Yercaud

Yercaud is a hill station near Salem, in the Servarayan range of hills (anglicized as Shevaroy) in the Eastern Ghats. It is at an altitude of 1515 metres (4969 feet) above the sea level. The total extent of Yercaud Taluk is 382.67 Sq.kms. including Reserve Forest. The entire Taluk is a Township. Yercaud has also a Panchayat Union with its Head Quarters at Yercaud and its Jurisdiction is the same as for Yercaud

Taluk. Popular as the "Poor man's Ooty". Yercaud is one of the low cost hill station destination in India.

2.TanjoreBrahadeswaraTemple:

- ✓ Another blog post with information and images describing your journey through the Tanjore Brahadeswara Temple.
- ✓ Use a title and images as in the first blog post.

Tanjore Brahadeswara Temple

This famous Thanjavur temple is the biggest attraction of this place. This temple is also known as Thanjavur big temple that was built by the great Chola King Raja Raja Chola. This temple is an architectural prodigy and is famous among devotees. This temple is protected by deep ditches on both sides and the Grand Anicut River is passing through another side of the temple. The shrine of the temple is 216 feet. The temple is adorned with several astonishing paintings from the Chola and Nayak periods. At the entrance of the temple, you will find the statue of Nandi (the Bull).



3. Kutralam-The Land of Majestic Waterfalls & Healing Waters:

- ✓ A third blog post showcasing your adventures Kutralam Waterfalls
- ✓ Include images and engaging content.
- ✓ Navigation Menu: The menu with options like "Home," "Blog," "About Me," and "Contact" remains present for easy navigation.
- ✓ Footer: The footer provides copyright information and a link back to the homepage.



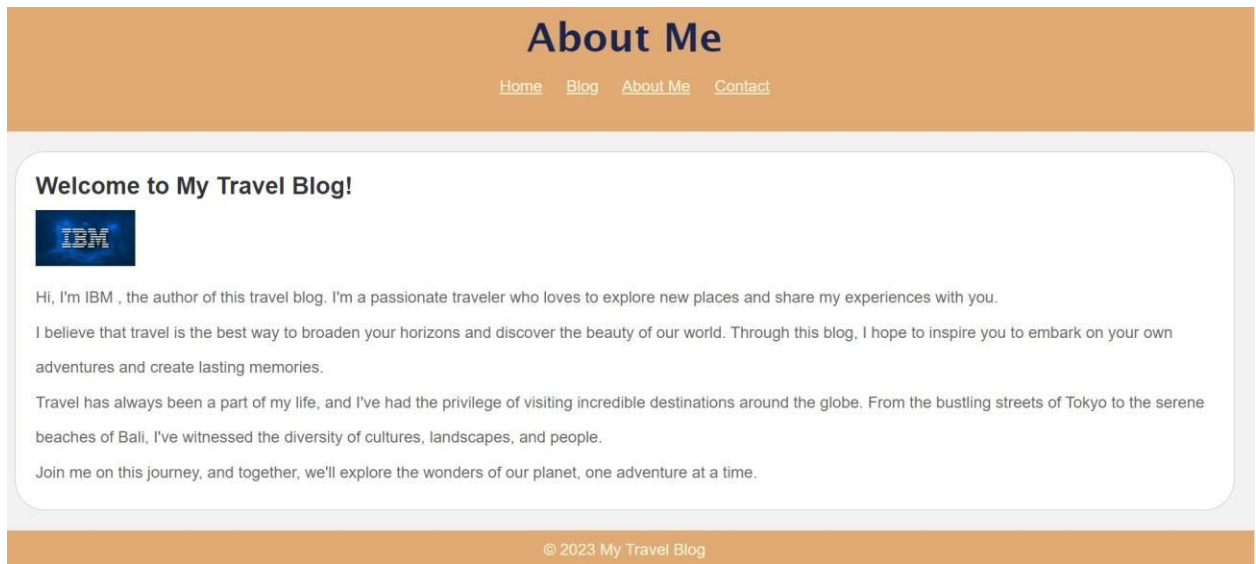
Kutralam – The Land Of Majestic Waterfalls & Healing Waters

Nestled in the scenic Western Ghats, Kutralam (குற்றாலம்) is a popular tourist destination of South Tamil Nadu. Courtallam or Kutralam is a town situated at a height of 160 m (520 ft) above sea level in the foothills of the Western Ghats in Tirunelveli district of Tamil Nadu, India. The very name of the place has become synonymous with the thundering waterfalls that flow here. It is also home to centuries old ancient temples and other famous places of interest. Several seasonal and perennial rivers such as Thamirabarani, Manimuthar, Pachaiyar and Chittar originate in this lush region. The title "Spa of South India" fits perfectly for Kutralam due to the numerous magnificent waterfalls and the healing and medicinal properties of the water that flows here. This

has led to the rise of numerous health resorts in and around this quaint town. The falls do not flow throughout the year and are highly dependent on rainfall. They carry substantial amounts of water when the rivers feeding the falls receive heavy rain. The best time to visit Kutralam is from June to September, when the South West Monsoon kicks off in the nearby state of Kerala. People are not allowed to bathe when the falls are flooded due to heavy rainfall.

About Me Page:

- ✓ Header: A header with the title "About Me."
- ✓ Content: Information about you, your travel experiences, and motivations for writing the blog.
- ✓ Profile Picture: An image of yourself.
- ✓ Navigation Menu: The menu with options like "Home," "Blog," "About Me," and "Contact" remains present.
- ✓ Footer: The footer provides copyright information.



ContactPage:

- ✓ Header: A header with the title "Contact."
- ✓ Contact Form: A form that allows readers to get in touch with you. The form should include fields for their name, email, and a message
- ✓ Submit Button: A button for submitting the form.
- ✓ Navigation Menu: The menu with options like "Home," "Blog," "About Me," and "Contact" is available.
- ✓ Footer: The footer provides copyright information.

Contact Me

[Home](#)
[Blog](#)
[About Me](#)
[Contact](#)

Get in Touch for any Queries

Your Name:

Your Email:

Message:

This is just an overview, and we could expand and customize each section with more details, images, and styling to create a fully-fledged personal travel blog.

Here is the HTML & CSS Code

Index.html

```

<!DOCTYPEhtml>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link rel="stylesheet" href="styles.css">
  <title>MyTravelBlog</title>
</head>
<body>
  <header>
    <h1 style="color:#192655;font-family:LucidaSans;font-size:40px;">Welcome to My
Travel Blog</h1>
    <nav>
      <ul>
        <li><a href="index.html">Home</a></li>
        <li><a href="blog.html">Blog</a></li>

```

```

        <li><a href="about.html">AboutMe</a></li>
        <li><a href="contact.html">Contact</a></li>
    </ul>
</nav>
</header>
<main>

    <div class="img">
        
    </div>
</main>
<footer>
    <p>&copy;2023MyTravelBlog</p>
</footer>
</body>
</html>

```

Styles.css

```

/*styles.css*/ body
{
    font-family:Arial,sans-serif;
    margin: 0;
    padding:0;
    background-color:#F3F0CA;
}

header{
    background-color:#E1AA74;
    color: white;
    padding:20px;
    text-align:center;
}

navul{
    list-style:none;
}

navulli{
    display: inline;
    margin-right:20px;
}

main{
    padding:20px;
}

```



```

footer{
    background-color:#E1AA74;
    color: beige;
    text-align:center;
    padding: 10px;
}

a{
    color:beige;
}

```

Blog.html

```

<!DOCTYPEhtml>
<htmllang="en">
<head>
    <metacharset="UTF-8">
    <metaname="viewport"content="width=device-width,initial-scale=1.0">
    <linkrel="stylesheet"href="style.css">
    <title>Blog-MyTravelBlog</title>
</head>
<body>
    <header>
        <h1style="color:#192655;font-family:LucidaSans;font-size:40px;">MyTravel
Blog</h1>
        <nav>
            <ul>
                <li><a href="index.html">Home</a></li>
                <li><a href="blog.html">Blog</a></li>
                <li><a href="about.html">AboutMe</a></li>
                <li><a href="contact.html">Contact</a></li>
            </ul>
        </nav>
    </header>
    <main>
        <sectionclass="blog-post">
            <figureclass="image-left"style="margin:0px;">
                <divclass="bb">
                    <imgid="bb"src="Yercaud_lake.jpg"alt="AthirapillyWaterFalls"/>
                </div>
                <figcaption>
                    <h2>Yercaud</h2>
                    <pstyle="margin-top:30px;word-spacing:5px;line-height:35px;">
                        <span style="margin-left: 35px;">Yercaud is a hill station near
Salem, in the Servarayan range of hills (anglicized as Shevaroy) in the Eastern Ghats.
Itisatanaltitudeof1515metres(4969feet)abovetheseellevel.The totalextentof
YercaudTalukis382.67Sq.kms.includingReserveForest.TheentireTalukisaTownship.

```


Yercaud has also a Panchayat Union with its Head Quarters at Yercaud and its Jurisdiction is the same as for Yercaud Taluk. Popular as the "Poorman's Ooty".

Yercaud is one of the low cost hill station destinations in India.

</p>

</figcaption>

</figure>

</section>

<section class="blog-post">

<h2 style="margin-left: 5px;">Tanjore Brahadeswara Temple</h2>

<div class="amazon">

</div>

<p style="margin-top: 30px; word-spacing: 5px; line-height: 35px;">

This famous Thanjavur temple is the biggest attraction of this place.

This temple is also known as Thanjavur big temple that was built by the great Chola King Raja Raja Chola. This temple is an architectural prodigy and is famous among devotees. This temple is protected by deep ditches on both sides and the Grand Anicut River is passing through another side of the temple. The shrine of the temple is 216 feet. The temple is adorned with several astonishing paintings from the Chola and Nayak periods. At the entrance of the temple, you will find the statue of Nandi (the Bull).

</p>

</section>

<section class="blog-post">

<h2 style="margin-left: 680px;">Kutralam - The Land of Majestic Waterfalls & Healing Waters</h2>

<div class="amazon">

</div>

<p style="margin-top: 30px; word-spacing: 5px; line-height: 35px;">

Nestled in the scenic Western Ghats, Kutralam (குற்றாலம்) is a popular tourist destination of South Tamil Nadu. Courtallam or Kutralam is a town situated at a height of 160 m (520 ft) above sea level in the foothills of the Western Ghats in Tirunelveli district of Tamil Nadu, India. The very name of the place has become synonymous with the thundering waterfall that flows here. It is also home to centuries old ancient temples and other famous places of interest. Several seasonal and perennial rivers such as Thamirabarani, Manimuthar, Pachaiyar and Chittar originate in this lush region.

The title "Spa of South India" fits perfectly for Kutralam due to the numerous magnificent waterfalls and the healing and medicinal properties of the water.

that flows here. This has led to the rise of numerous health resorts in and around this quaint town. The falls do not flow throughout the year and are highly dependent on rainfall. They carry substantial amounts of water when the rivers feeding the falls receive heavy rain. The best time to visit Kutralam is from June to September, when the South West Monsoon kicks off in the nearby state of Kerala. People are not allowed to bathe when the falls are flooded due to heavy rainfall.

```
</section>
</main>
<footer>
  <p>&copy;2023 My Travel Blog</p>
</footer>

</body>
</html>
```

Style.css

```
/*Reset some default styles for consistency*/ body, h1,
h2, p, img, a {
  margin:0;
  padding:0;
}

/*Apply a background color and style the body text*/ body {
  font-family:Arial, sans-serif;
  background-color: #f2f2f2;
  color: #333;
}

header{
  background-color:#E1AA74;
  color: white;
  padding:20px;
  text-align:center;
}

header h1{
  font-size:2em;
}

nav ul{
  list-style:none;
}

nav ul li{
  display: inline;
  margin-right:20px;
```

```
}

main{
    padding:20px;
}

.blog-post{
    background-color:white;
    border: 1px solid #ccc;
    padding: 20px;
    margin:10px0;
    overflow:auto;
}

.blog-posth2{
    font-size:1.5em;
    color: #333;
}

.blog-post img {
    max-width:40%;
    float: left;
    margin:10px20px10px 0;
}

.blog-post p {
    color:#666;
}

.blog-post a {
    color:#007bff;
    text-decoration:none;
}

.blog-posta:hover{
    text-decoration:underline;
}

footer{
    background-color:#E1AA74;
    color: beige;
    text-align:center;
    padding: 10px;
}

a{
    color:beige;
}
```

About.html

```
<!DOCTYPEhtml>
<htmllang="en">
<head>
  <metacharset="UTF-8">
  <metaname="viewport"content="width=device-width,initial-scale=1.0">
  <linkrel="stylesheet"href="abtstyles.css">
  <title>AboutMe-MyTravelBlog</title>
</head>
<body>
  <header>
    <h1style="color:#192655;font-family:'LucidaSans';font-size:40px;">About
Me</h1>
    <nav>
      <ul>
        <li><astyle="color:beige;"href="index.html">Home</a></li>
        <li><astyle="color:beige;"href="blog.html">Blog</a></li>
        <li><astyle="color:beige;"href="about.html">AboutMe</a></li>
        <li><astyle="color:beige;"href="contact.html">Contact</a></li>
      </ul>
    </nav>
  </header>
  <main>
    <sectionclass="about-me">
      <h2>WelcometoMyTravelBlog!</h2>
      <imgsrc="IBM.jpg"alt="Author'sprofilepicture">
      <pstyle="line-height:35px;">
        Hi,I'mIBM,theauthorofthistravelblog.I'mapassionatetraveler who loves to
        explore new places and share my experiences with you.
      </p>
      <pstyle="line-height:35px;">
        Ibelievehattravelisthebestwaytobroadenyourhorizonsand
discover
        thebeautyofourworld.Through thisblog,Ihopetoinspireyouto your own
embarkon
        adventures and create lasting memories.<br>
        Travelhasalwaysbeenapartofmylife,andI'vehadtheprivilegeof visiting
        incredible destinations around the globe. From the bustling
streets
        ofTokyototheserenebeachesofBali,I'vewitnessedthediversityof landscapes,
cultures,
        and people.<br>
        Joinmeonthisjourney,andtogether,we'llexploretthewondersofour
planet,
        oneadventureatatime.
      </p>
    </section>
  </main>
</footer>
```

```
        <p>&copy;2023MyTravelBlog</p>
    </footer>
</body>
</html>
```

Style.css

```
body,h1,h2,p{
    margin: 0;
    padding:0;
}

body{
    font-family:Arial,sans-serif;
    background-color: #f2f2f2;
    color: #333;
}

header{
    background-color:#E1AA74;
    color: white;
    padding:20px;
    text-align:center;
}

headerh1{
    font-size:2em;
}

navul{
    list-style:none;
}

navulli{
    display: inline;
    margin-right:20px;
}

/*Stylethemaincontentarea*/ main {
    padding:20px;
}

/*Stylethe"AboutMe"section */
.about-me{
    background-color:white;
    border: 1px solid #ccc;
```

```

padding: 20px;
border-radius:30px;
}

.about-meh2{
font-size:1.5em;
color: #333;
}

.about-meimg{
max-width:100px;
height: auto;
margin: 10px 0;
}

.about-mep{
color:#666;
}

footer{
background-color:#E1AA74;
color: beige;
text-align:center;
padding: 10px;
}

```

Contact.html

```

<!DOCTYPEhtml>
<html>
<html>
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,initial-scale=1.0">
    <link rel="stylesheet" href="cntstyles.css">
    <title>Contact-MyTravelBlog</title>
</head>
<body>
    <header>
        <h1 style="color:#192655;font-family:LucidaSans;font-size:40px;">Contact
Me</h1>
        <nav>
            <ul>
                <li><a href="index.html">Home</a></li>
                <li><a href="blog.html">Blog</a></li>
                <li><a href="about.html">AboutMe</a></li>
                <li><a href="contact.html">Contact</a></li>
            </ul>
        </nav>

```

```

</header>
<main>
  <sectionclass="contact-form">
    <h2>Get in Touch for any Queries</h2>
    <formaction="submit.php"method="post">
      <labelfor="name">Your Name:</label>
      <inputtype="text" id="name" name="name" requiredautocomplete="off">

      <labelfor="email">Your Email:</label>
      <inputtype="email" id="email" name="email" requiredautocomplete="off">

      <labelfor="message">Message:</label>
      <textareaid="message" name="message" rows="4" required
autocomplete="off"></textarea>

      <buttontype="submit">Submit</button>
    </form>
  </section>
</main>
<footer>
  <p>&copy; 2023 My Travel Blog</p>
</footer>
</body>
</html>

```

Style.css

```

/* Reset some default styles for consistency */
body,h1,h2,form,label,input,textarea,button{
  margin:0;
  padding:0;
}

/*Apply a background color and style the body text*/ body {
  font-family:Arial,sans-serif;
  background-color: #f2f2f2;
  color: #333;
}

/*Style the header, including the navigation menu*/ header {
  background-color:#E1AA74;
  color: white;
  padding:20px;
  text-align:center;
}

```

```
headerh1{
    font-size:2em;
}

navul{
    list-style:none;
}

navulli{
    display: inline;
    margin-right:20px;
}

/*Stylethemaincontentarea*/ main {
    padding:20px;
}

/*Stylethecontactformsection*/
.contact-form{
    background-color:white;
    border: 1px solid #ccc;
    padding: 20px;
}

.contact-form h2 {
    font-size:1.5em;
    color: #333;
}

formlabel{
    display:block;
    margin:10px 0;
}

form input,
formtextarea{
    width: 100%;
    padding:10px;
    margin:5px0;
    border:1pxsolid#ccc;
    border-radius: 5px;
}

formbutton{
    background-color:#007bff;
    color: white;
    border: none;
    border-radius:5px;
```



```
padding:10px20px;
cursor: pointer;
}

/*Stylethefooter*/
footer {
  background-color:#E1AA74;
  color: beige;
  text-align:center;
  padding: 5px;
  margin-top: 100px;
}

a{
  color:beige;
}
```

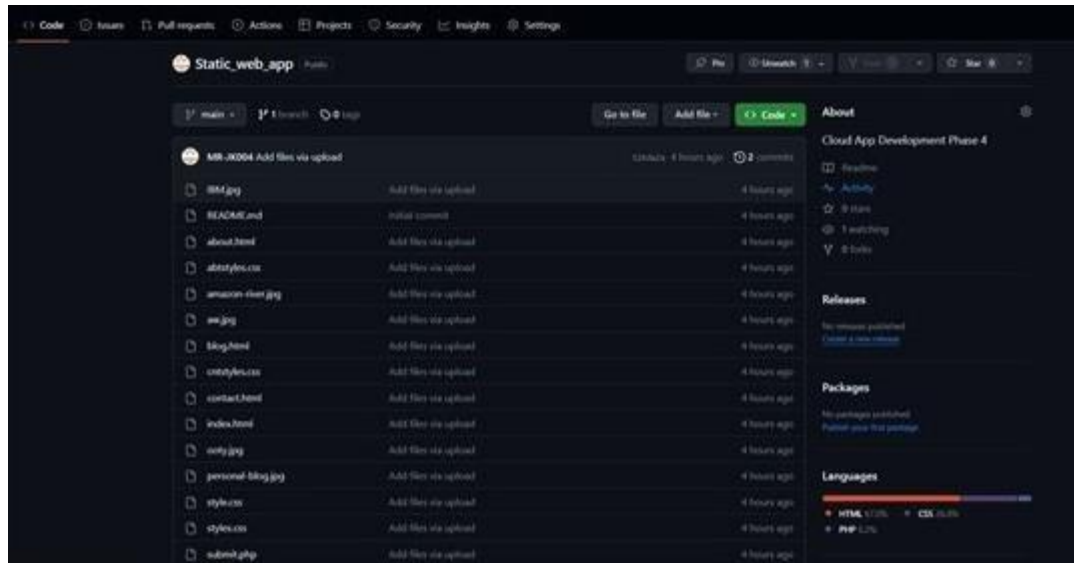
CloudAppDevelopment

PersonalBlogonIBMCloudStaticWebApps

Creating a static web app with IBM Cloud involves several steps, including setting up a repository, creating a build pipeline, and configuring deployment options. Additionally, it has been mentioned using a static site generator like Jekyll or Hugo to manage our blog content more easily. Below are the steps to go:

1. Create a GitHub Repository:

Start by creating a new GitHub repository to store our project. If we're using an existing repository, make sure it contains HTML files, CSS files, and any other assets that are need.



2. Choose a Static Site Generator:

Select and set up a static site generator like Jekyll or Hugo. Follow the documentation to create templates for our content. These templates will make it easy to manage our blog content.



3. Add Template Files:

Convert our HTML content into template files that are compatible with our chosen static site generator. For example, we might convert our index.html into Jekyll's Liquid template format or Hugo's Markdown format. Customize these templates to suit our blog's design.



4. SetUptheLocalDevelopmentEnvironment:

Install and configure the necessary tools and dependencies for our chosen static sitegenerator. Typically, this involves installing the generator, setting up a development server, and testing our templates locally.

5. BuildOurBlogContent:

Create blog posts, pages, or other content using the templates we've set up. This content will be converted into HTML pages by the static site generator.

The screenshot shows a code editor interface with a file explorer on the left and a code editor on the right. The file explorer shows a project structure with folders like 'blog', 'personalBlog', 'assets', 'content', 'posts', 'data', 'i18n', 'layouts', 'public', 'static', 'themes', and files like '.hugo_build...', 'hugo.toml', '.gitmodules', 'README.md', and 'jitenderkumar.github.io'. The code editor shows a file named 'mypost.md' with the following content:

```
1 ---
2 title: "Yercaud"
3 date: 2023-10-25T19:23:31+05:30
4 ---
5
6 - Yercaud is a hill station near Salem, in the Servarayan range of hills (anglicized as Shevaroy) in the
7 Eastern Ghats. It is at an altitude of 1515 metres (4969 feet) above the see level. The total extent of Yercaud
8 Taluk is 382.67 Sq.kms. including Reserve Forest. The entire Taluk is a Township. Yercaud has also a Panchayat
9 Union with its Head Quarters at Yercaud and its Jurisdiction is the same as for Yercaud Taluk. Popular as the
10 "Poor man's Ooty".
11
12 - Yercaud is one of the low cost hill station destination in India.
```

6. PushCodetoGitHub:

Commitourcode,includingthetemplatefiles,content,andanyadditional assets, to our GitHub repository.

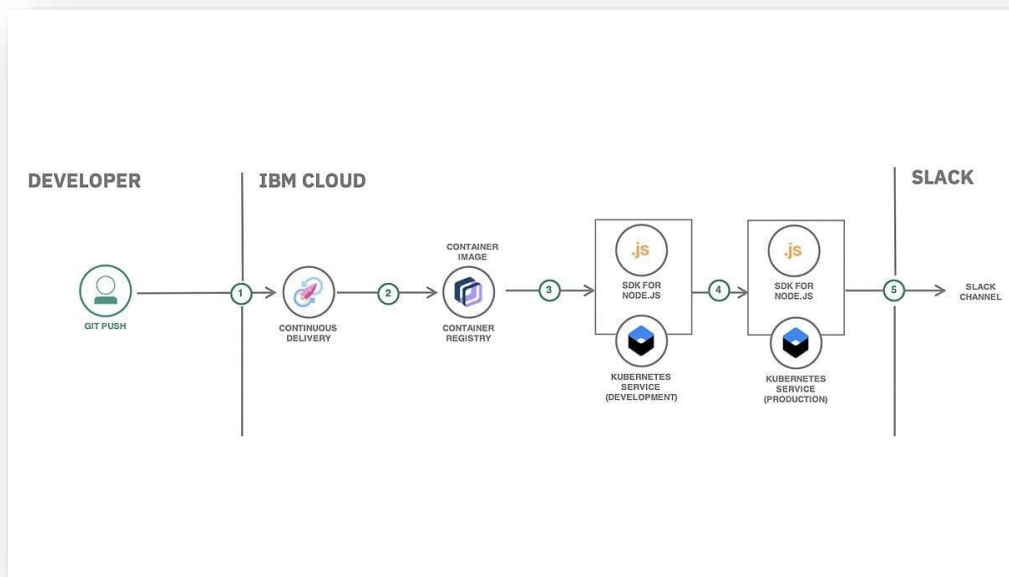
7. SetUpIBMCloudDevOpsServices:

- ✓ SignintoIBMCloudandnavigatetotheDevOpsServices.
- ✓ Createanewtoolchain.
- ✓ In the toolchain, add a Git repository as a source, connecting it to our GitHub repository.



8. CreateaBuildPipeline:

- ✓ Within our IBM Cloud toolchain, create a build pipeline that includes a build stage forbuilding ourstaticsite.Configurethebuildpipelinetouse theappropriate buildtoolsforourchosenstaticsitegenerator(e.g.,Jekyll,Hugo).



9. ConfigureDeploymentOptions:

- ✓ In the build pipeline, set up deployment options. IBM Cloud provides integrations with various cloud storage services (e.g., IBM Cloud) where we can host our static website files.
- ✓ Configure the deployment to automatically deploy your built website files to the chosen cloud storage service when a new build is successful.

10. Deploying the Blog:

- ✓ Trigger the build pipeline to start the build process.



- ✓ Once the build is complete and successful, our blog will be automatically deployed to the cloud storage service we configured.

11. Accessing Static Web App:

We can access our static web app via a URL provided by our chosen cloud storage service or configure a custom domain name for our blog if needed.

By following these steps, we'll have successfully set up a static web app using IBM Cloud, incorporated a static site generator to manage our content, and automated the build and deployment processes for our blog. Our blog will be accessible online, and we can easily update and manage the content using the site generator.

