GALGOTIAS UNIVERSITY

A Project Report On
Responsive Blog website
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I. Introduction

In the fast-evolving landscape of web development, the fusion of HTML, CSS, and JavaScript stands as the cornerstone for crafting captivating and interactive websites. These languages, each with its distinct role, seamlessly blend together to provide users with engaging online experiences. In this project report, we explore the process of creating a dynamic blog website solely through the utilization of HTML, CSS, and JavaScript.

Our focus lies in harnessing the full potential of these languages to enhance the functionality and aesthetics of the blog platform. Without the aid of server side technologies, we delve into innovative approaches to implement dynamic content, streamline user interactions, and ensure optimal performance.

Throughout this report, we delve into the methodologies, challenges, and outcomes encountered during the development journey. From designing responsive layouts with HTML and CSS to implementing client-side scripting for dynamic elements using JavaScript, each step is meticulously examined to provide a comprehensive understanding of the integration process.

Moreover, by adhering strictly to the use of HTML, CSS, and JavaScript, this project showcases the versatility and robustness of these languages in

creating sophisticated web applications. Through the exploration of advanced techniques and best practices, we aim to inspire and empower web developers to push the boundaries of creativity and innovation in their projects.

II. Technologies Used

1. **HTML (HyperText Markup Language):** HTML forms the backbone of our project, providing the structural framework for the blog website. Utilizing semantic markup, we ensure accessibility, readability, and search engine optimization.

2. **CSS (Cascading Style Sheets):** CSS is employed extensively to design visually appealing layouts and styles for the blog website. Leveraging CSS grid and flexbox, we ensure responsive design across various devices and screen sizes.

3. **JavaScript:** JavaScript plays a pivotal role in enhancing user interactivity and functionality. Through client-side scripting, we implement dynamic elements such as interactive forms, navigation menus, and content sliders, enriching the user experience.

By harnessing the capabilities of these core web technologies, our project demonstrates the potential to create robust and feature-rich blog websites without the reliance on server-side technologies. Through meticulous

implementation and adherence to best practices, we aim to showcase the versatility and effectiveness of HTML, CSS, and JavaScript in modern web development.

III. Working

The working of our blog website seamlessly integrates HTML, CSS, and JavaScript to deliver a dynamic and engaging user experience. Upon loading the homepage, users are greeted with a visually appealing layout crafted with HTML and CSS, showcasing featured articles and navigation options. As users navigate through the site, JavaScript enhances interactivity by enabling functionalities such as live search for articles, interactive forms for user engagement, and dynamic loading of content without page refresh. The responsive design ensures optimal viewing across devices, while CSS animations and transitions add polish and flair to the user interface. Additionally, the backend logic is simulated through JavaScript, allowing for client-side data validation and submission handling. This cohesive integration of technologies ensures that our blog website not only delivers captivating content but also provides a seamless and intuitive browsing experience for visitors.

IV. Source Code

Index.html

```html
<!DOCTYPE html>
<html lang="en">
  <head>

    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />

    <!--=============== FAVICON ===============-->
    <link
      rel="shortcut icon"
      href="assets/img/favicon.png"
      type="image/x-icon"
    />

    <!--=============== REMIXICONS ===============-->
    <link
      href="https://cdn.jsdelivr.net/npm/remixicon@3.2.0/fonts/remixicon.css"
      rel="stylesheet"
    />

    <!--=============== CSS ===============-->
    <link rel="stylesheet" href="assets/css/styles.css" />

    <title>Responsive travel website - Bedimcode</title>
  </head>
  <body>
    <!--==================== HEADER ====================-->
    <header class="header" id="header">
      <nav class="nav container">
        <a href="#" class="nav__logo"> Travel </a>

        <div class="nav__menu" id="nav-menu">
          <ul class="nav__list">
            <li class="nav__item">
              <a href="#home" class="nav__link">Home</a>
            </li>
```

```html
          <li class="nav__item">
            <a href="#about" class="nav__link">About</a>
          </li>

          <li class="nav__item">
            <a href="#popular" class="nav__link">Popular</a>
          </li>

          <li class="nav__item">
            <a href="#explore" class="nav__link">Explore</a>
          </li>
        </ul>

        <!--close button-->
        <div class="nav__close" id="nav-close">
          <i class="ri-close-circle-fill"></i>
        </div>
      </div>

      <!--tongle button-->
      <div class="nav__tonggle" id="nav-tonggle">
        <i class="ri-menu-fill"></i>
      </div>
    </nav>
  </header>

  <!--==================== MAIN ====================-->
  <main class="main">
    <!--==================== HOME ====================-->
    <section class="home section" id="home">
      <img src="/assets/img/home-bg.jpg" alt="home banner" class="home__bg" />
      <div class="home__shadow"></div>

      <div class="home__container container grid">
        <div class="home__data">
          <h3 class="home__subtitle">Welcome To Travelling Blogs</h3>

          <h1 class="home__title">
            Exploring <br />
            The World
          </h1>

          <p class="home__description">
            Join us as we wander through landscapes, cultures, and cuisines that
redefine wanderlust.
          </p>
```

```html
      <a href="#" class="button">
        Start Your Journey <i class="ri-arrow-right-double-line"></i
      ></a>
    </div>

    <div class="home__cards grid">
      <article class="home__card">
        <img
          src="/assets/img/home-trees.jpg"
          alt="home trees"
          class="home__card-img"
        />
        <h3 class="home__card-title">Croatia</h3>
        <div class="home__card-shadow"></div>
      </article>

      <article class="home__card">
        <img
          src="/assets/img/home-lake.jpg"
          alt="home lakes"
          class="home__card-img"
        />
        <h3 class="home__card-title">Iceland</h3>
        <div class="home__card-shadow"></div>
      </article>

      <article class="home__card">
        <img
          src="/assets/img/home-mountain.jpg"
          alt="home trees"
          class="home__card-img"
        />
        <h3 class="home__card-title">Italy</h3>
        <div class="home__card-shadow"></div>
      </article>

      <article class="home__card">
        <img
          src="/assets/img/home-beach.jpg"
          alt="home trees"
          class="home__card-img"
        />
        <h3 class="home__card-title">Spain</h3>
        <div class="home__card-shadow"></div>
      </article>
```

```html
      </div>
    </div>
  </section>

  <!--==================== ABOUT ====================-->
  <section class="about section" id="about">
    <div class="about__container container grid">
      <div class="about__data">
        <h2 class="section__title">
          Learn More <br />
          About Travel
        </h2>

        <p class="about__description">
          All the trips around the world are a great pleasure and happiness
          for anyone, enjoy the sights when you travel the world. Travel
          safely and without worries, get your trip and explore the
          paradises of the world.
        </p>

        <a href="#" class="button"
          >Explore Travel<i class="ri-arrow-right-double-line"></i
        ></a>
      </div>

      <div class="about__image">
        <img
          src="/assets/img/about-beach.jpg"
          alt="beach image"
          class="about__img"
        />
        <div class="about__shadow"></div>
      </div>
    </div>
  </section>

  <!--==================== POPULAR ====================-->
  <section class="popular section" id="popular">
    <h2 class="section__title">
      Enjoy The Beauty <br />
      Of The World
    </h2>

    <div class="popular__container container grid">
      <article class="popular__card">
        <div class="popular__image">
```

```html
      <img
        src="/assets/img/popular-mountain.jpg"
        alt="popular image"
        class="popular__img"
      />
      <div class="popular__shadow"></div>
    </div>

    <h2 class="popular__title">Logan Mountain</h2>

    <div class="popular__location">
      <i class="ri-map-pin-line"></i>
      <span>Canadá</span>
    </div>
  </article>

  <article class="popular__card">
    <div class="popular__image">
      <img
        src="/assets/img/popular-forest.jpg"
        alt="popular image"
        class="popular__img"
      />
      <div class="popular__shadow"></div>
    </div>

    <h2 class="popular__title">Spike Forest</h2>

    <div class="popular__location">
      <i class="ri-map-pin-line"></i>
      <span>Irland</span>
    </div>
  </article>

  <article class="popular__card">
    <div class="popular__image">
      <img
        src="/assets/img/popular-lake.jpg"
        alt="popular image"
        class="popular__img"
      />
      <div class="popular__shadow"></div>
    </div>

    <h2 class="popular__title">Garda Lake</h2>
```

```html
        <div class="popular__location">
          <i class="ri-map-pin-line"></i>
          <span>Italy</span>
        </div>
      </article>
    </div>
  </section>

  <!--==================== EXPLORE ====================-->
  <section class="explore section" id="explore">
    <div class="explore__container">
      <div class="explore__image">
        <img
          src="/assets/img/explore-beach.jpg"
          alt="explore image"
          class="explore__img"
        />
        <div class="explore__shadow"></div>
      </div>
    </div>

    <div class="explore__content container grid">
      <div class="explore__data">
        <h2 class="section__title">
          Explore The <br />
          Best Paradises
        </h2>

        <p class="explore__description">
          Exploring paradises such as islands and valleys when traveling the
          world is one of the greatest experiences when you travel, it
          offers you harmony and peace and you can enjoy it with great
          comfort.
        </p>
      </div>

      <div class="explore__user">
        <img
          src="/assets/img/my-avatar.png"
          alt="explore user image"
          class="explore__perfil"
        />
        <span class="explore__name"> Ankit Gangwar</span>
      </div>
    </div>
  </section>
```

```html
<!--==================== JOIN ====================-->
<section class="join section">
  <div class="join__container container grid">
    <div class="join__data">
      <h2 class="section__title">
        Your Journey <br />
        Starts HereS
      </h2>

      <p class="join__description">
        Get up to date with the latest travel and information from us.
      </p>

      <form action="" class="join__form">
        <input
          type="email"
          placeholder="Enter your email"
          class="join__input"
        />

        <button type='submit' join__button button>
          Subscribe Our Newsletter<i
            class="ri-arrow-right-double-line"
          ></i>
        </button>
      </form>
    </div>

    <div class="join__image">
      <img
        src="/assets/img/join-island.jpg"
        alt="join image"
        class="join__img"
      />
      <div class="join__shadow"></div>
    </div>
  </div>
</section>
</main>

<!--==================== FOOTER ====================-->
<footer class="footer">
  <div class="footer__container container grid">
    <div class="footer__content grid">
      <div>
```

```html
<a href="#" class="footer__logo"> Travel </a>

<p class="footer__description">
  Travel with us and explore <br />
  the world without limits.
</p>

<div class="footer__data grid">
  <div>
    <h3 class="footer__title">About</h3>

    <ul class="footer__links">
      <li>
        <a href="#" class="footer__link">About Us</a>
      </li>

      <li>
        <a href="#" class="footer__link">Features</a>
      </li>

      <li>
        <a href="#" class="footer__link">News & Blog</a>
      </li>
    </ul>
  </div>

  <div>
    <h3 class="footer__title">Company</h3>

    <ul class="footer__links">
      <li>
        <a href="#" class="footer__link">FAQs</a>
      </li>

      <li>
        <a href="#" class="footer__link">History</a>
      </li>

      <li>
        <a href="#" class="footer__link">Testimonials</a>
      </li>
    </ul>
  </div>

  <div>
    <h3 class="footer__title">Contact</h3>
```

```html
        <ul class="footer__links">
          <li>
            <a href="#" class="footer__link">Call Center</a>
          </li>

          <li>
            <a href="#" class="footer__link">Support Center</a>
          </li>

          <li>
            <a href="#" class="footer__link">Contact Us</a>
          </li>
        </ul>
      </div>

      <div>
        <h3 class="footer__title">Support</h3>

        <ul class="footer__links">
          <li>
            <a href="#" class="footer__link">Privacy Policy</a>
          </li>

          <li>
            <a href="#" class="footer__link">Terms & Services</a>
          </li>

          <li>
            <a href="#" class="footer__link">Payments</a>
          </li>
        </ul>
      </div>
    </div>
  </div>
</div>

<div class="footer__group">
  <div class="footer__social">
    <a
      href="https://www.facebook.com/"
      class="footer__social-link"
      ><i class="ri-facebook-circle-fill"></i
    ></a>

    <a
```

```
                    href="https://www.instagram.com/"
                    class="footer__social-link"
                  >
                    <i class="ri-instagram-line"></i>
                  </a>

                  <a
                    href="https://twitter.com/"
                    class="footer__social-link"
                  >
                    <i class="ri-twitter-fill"></i>
                  </a>

                  <a
                    href="https://www.youtube.com/"
                    class="footer__social-link"
                  >
                    <i class="ri-youtube-line"></i>
                  </a>
                </div>

              <span class="footer__copy">
                &#169; Copyright Ankit Gangwar. All rights reserved
              </span>
            </div>
          </div>
        </footer>

        <!--========== SCROLL UP ===========-->

        <a href="#" class="scrollup" id="scroll-up">
          <i class="ri-arrow-up-double-line"></i>
        </a>

        <!--=============== SCROLLREVEAL ===============-->
        <script src=""></script>

        <!--=============== MAIN JS ===============-->
        <script type="module" src="src/js/main.js"></script>
      </body>
    </html>
```

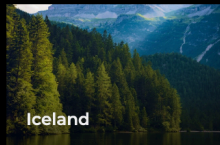# V. Screenshot

Welcome To Travelling Blogs

Exploring The World

Join us as we wander through landscapes, cultures, and cuisines that redefine wanderlust.
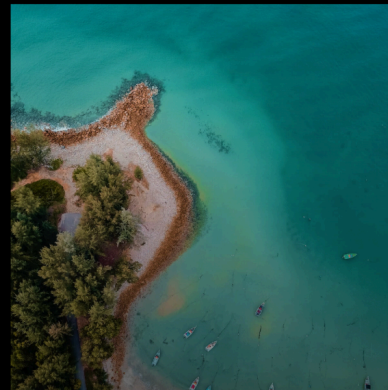
Start Your Journey »

Croatia

Iceland

Italy

Spain

Learn More About Travel

All the trips around the world are a great pleasure and happiness for anyone, enjoy the sights when you travel the world. Travel safely and without worries, get your trip and explore the paradises of the world.

Explore Travel »

Enjoy The Beauty Of The World

VI. Conclusion

In conclusion, our project highlights the effectiveness and versatility of integrating HTML, CSS, and JavaScript to create a dynamic and interactive blog website. Through meticulous design and development, we have demonstrated the seamless synergy between these core web technologies, showcasing their collective potential in crafting sophisticated online experiences.

By harnessing the capabilities of HTML for structuring content, CSS for styling and layout, and JavaScript for interactivity and functionality, we have successfully created a blog platform that is both visually appealing and user friendly. From responsive design to dynamic content rendering, each aspect of the website's functionality has been carefully implemented to enhance the user experience.

Furthermore, our project underscores the importance of adhering to best practices and utilizing modern web development techniques to optimize performance and ensure compatibility across various devices and browsers. Through continuous refinement and iteration, we have aimed to push the boundaries of creativity and innovation in web development, paving the way for future endeavors in this ever-evolving field.

In essence, our project serves as a testament to the power of HTML, CSS,

and JavaScript in shaping the digital landscape, reaffirming their indispensable role in creating compelling online experiences. As we look ahead, we remain committed to exploring new possibilities and embracing emerging technologies to further elevate the standard of web development and redefine the essence of user engagement in the digital realm.