Project Report: Events in Egypt Website

1. Introduction

The "Events in Egypt" website is a project developed for the Internet Programming course. This report outlines the structure, functionality, and technologies used in creating the website.

2. Overview of Pages

a. Home Page

The home page serves as the entry point to the website, providing an overview of featured events and navigation to other pages.

b. Events Page

The events page lists upcoming events with date, location, time, and brief descriptions, allowing users to access detailed information by clicking on an event.

c. Event Details Page

Detailed information about each event is presented on this page, including schedules, participants, event descriptions, and a section for user comments.

d. Gallery Page

The gallery page showcases photos and videos from past events, offering a visual representation of the event atmosphere.

e. Contact Page

Users can contact the site administrator through the contact page, which includes a contact form, contact information, and social media links.

3. Technologies Used

HTML: Used for structuring the content of all pages.

Example :

<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <title>Events in Egypt</title>

    <link rel="stylesheet" href="styles.css">

    <script src="script.js" defer></script>

    <style>

    </style>

</head>

<body>

    <header>

        <div class="container">

            <h1>Welcome to Events in Egypt</h1>

            <nav>

                <ul>

                    <li><a href="index.html">Home</a></li>

                    <li><a href="events.html">Events</a></li>

                    <li><a href="gallery.html">Gallery</a></li>

                    <li><a href="contact.html">Contact</a></li>

                </ul>

            </nav>

        </div>

    </header>

    <main>

        <section class="description">

            <div class="container">

                <h2>About Us</h2>

                <p>Welcome to Events in Egypt, your ultimate guide to the latest events and festivals happening across Egypt. Whether you're a local resident or a visitor to this beautiful country, we're here to keep you informed about the most exciting happenings in Egypt's vibrant cultural scene.</p>

                <p>Explore our website to discover upcoming events, browse through captivating galleries of past celebrations, and get in touch with us to learn more or to share your own event experiences.</p>

            </div>

        </section>

        <section class="featured-events">

            <div class="container">

                <h2>Featured Events</h2>

                <div class="event">

                    <h3>Egyptian National Day</h3>

                    <p><strong>Date:</strong> July 23rd</p>

                    <p><strong>Location:</strong> Nationwide</p>

                    <p><strong>Description:</strong> Egyptian National Day commemorates the Egyptian Revolution of 1952, which led to the overthrow of the monarchy and the establishment of a republic.</p>

                    <a href="https://en.wikipedia.org/wiki/Public\_holidays\_in\_Egypt" target="\_blank" rel="noopener noreferrer">Learn More</a>

                </div>

            </div>

        </section>

    </main>

    <footer>

        <div class="container">

            <p>&copy; 2024 Events in Egypt</p>

        </div>

    </footer>

</body>

</html>

CSS: Implemented for styling the site and ensuring a consistent look and feel.

Example :

\* {

    margin: 0;

    padding: 0;

    box-sizing: border-box;

  }

  body {

    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;

    line-height: 1.6;

    background-color: #f8f9fa;

    color: #333;

  }

  header {

    background-color: #343a40;

    color: #fff;

    padding: 20px;

    text-align: center;

  }

  header h1 {

    margin-bottom: 20px;

    font-size: 2.5em;

  }

  .center-content {

    display: flex;

    justify-content: center;

    align-items: center;

    height: 100%;

}

  nav {

    text-align: center;

    margin-top: 20px;

  }

  nav ul {

    list-style: none;

  }

  nav li {

    display: inline-block;

    margin: 0 15px;

  }

  nav li a {

    color: #fff;

    text-decoration: none;

    font-size: 1.1em;

    transition: color 0.3s ease;

  }

  nav li a:hover {

    color: #ccc;

  }

  main {

    padding: 20px;

  }

  .featured-events {

    margin-bottom: 30px;

  }

  .homepage-intro {

    background-color: #f2f2f2;

    padding: 30px;

    text-align: center;

  }

  .homepage-intro p {

    font-size: 1.1em;

    margin-bottom: 20px;

  }

  .homepage-intro h2 {

    font-size: 2em;

    margin-bottom: 30px;

  }

  .event {

    background-color: #fff;

    padding: 20px;

    border-radius: 8px;

    margin-bottom: 30px;

    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);

  }

  .event h3 {

    margin-bottom: 15px;

    font-size: 1.5em;

  }

  .event p {

    font-size: 1.1em;

    margin-bottom: 15px;

  }

  .event a {

    color: #007bff;

    text-decoration: none;

    font-weight: bold;

  }

  .event a:hover {

    text-decoration: underline;

  }

  footer {

    background-color: #343a40;

    color: #fff;

    text-align: center;

    padding: 15px;

    position: fixed;

    bottom: 0;

    width: 100%;

  }

  @media (max-width: 768px) {

    header {

      padding: 15px;

    }

    nav li {

      display: block;

      margin: 10px 0;

    }

  }

body {

    overflow-x: hidden;

.page-transition {

    position: absolute;

    top: 0;

    left: 0;

    width: 100%;

    height: 100%;

    background-color: #fff;

    animation: pageTransition 0.5s ease both;

}

@keyframes pageTransition {

    from {

        opacity: 0;

    }

    to {

        opacity: 1;

    }

}

JavaScript: Enhanced user interaction with dynamic elements and interactive components.

Example :

document.addEventListener("DOMContentLoaded", function() {

    const toggleMenu = () => {

        const nav = document.querySelector('nav');

        nav.classList.toggle('active');

    };

    const menuToggle = document.querySelector('.menu-toggle');

    if (menuToggle) {

        menuToggle.addEventListener('click', toggleMenu);

    }

    const handleFormSubmit = (event) => {

        event.preventDefault();

        const form = event.target;

        const formData = new FormData(form);

        const name = formData.get('name');

        alert(`Thank you, ${name}! Your message has been submitted.`);

        form.reset();

    };

    const contactForm = document.querySelector('.contact-form form');

    if (contactForm) {

        contactForm.addEventListener('submit', handleFormSubmit);

    }

    const handlePageTransition = (event) => {

        event.preventDefault();

        const href = event.target.getAttribute('href');

        const currentPage = document.querySelector('main');

        const transitionDiv = document.createElement('div');

        transitionDiv.classList.add('page-transition');

        document.body.appendChild(transitionDiv);

        setTimeout(() => {

            window.location.href = href;

        }, 500);

    };

    const links = document.querySelectorAll('a');

    links.forEach(link => {

        link.addEventListener('click', handlePageTransition);

    });

    console.log("Script loaded successfully!");

});

Responsive Design: Techniques were applied to make the website adaptable to various screen sizes.

4. Challenges Faced

During the development process, challenges such as ensuring cross-browser compatibility and optimizing performance were encountered. These challenges were addressed through thorough testing and optimization techniques to enhance the user experience.

5. Conclusion

In conclusion, the "Events in Egypt" website demonstrates the application of HTML, CSS, JavaScript, and responsive design in creating a user-friendly and visually appealing platform for exploring events in Egypt. The project provided valuable insights into web development practices and techniques, paving the way for future enhancements and improvements.