BLOG WEBSITE PROJECT DOCUMENTATION

Project: Blog Website
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1. INTRODUCTION

This document provides detailed documentation for the **Blog Website project** developed as part of the internship requirements. The website is a modern, responsive, and user-friendly blog implemented using **HTML, CSS, and JavaScript**. The project demonstrates proficiency in front-end web development and provides hands-on experience in designing a functional, visually appealing, and interactive web platform.

In addition to meeting all mandatory requirements, several **bonus enhancements** have been implemented to make the website more attractive and engaging.

2. FEATURES IMPLEMENTED (AS PER REQUIREMENTS)

The following features were implemented to meet the internship requirements:

- **Three blog posts** with a title, content, publication date, and relevant image.

- **Navigation menu** to move between different blog posts and pages (About, Contact).

- **Comment section** on each post allowing users to submit comments using **JavaScript** with comments stored in **localStorage**.

- **Responsive design** using CSS and Bootstrap, optimized for desktops, tablets, and mobile devices.

- **Clean and visually appealing layout** with attention to typography, colors, and overall aesthetics.

- **Documentation and code comments** explaining HTML, CSS, and JavaScript sections.

3. ADDITIONAL ENHANCEMENTS (BONUS FEATURES)

Beyond the required features, the following improvements were added:

- **Dark Mode Toggle**: Users can switch between light and dark themes.

- **Social Media Icons**: Integrated social links in footer for better connectivity.

- **Google Fonts and Icons**: Used custom fonts and Font Awesome icons for modern styling.

- **Bootstrap Integration**: Ensures consistent layout, responsiveness, and UI components.

- **Enhanced User Experience**: Smooth transitions, hover effects, and attractive card designs for blog posts.

- **Live Comments**: Comments persist using localStorage, giving users a sense of continuity.

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4. TECHNOLOGY STACK

- **HTML** – Structure of the blog and pages.

- **CSS** – Styling, layout, responsiveness, and animations (with Bootstrap integration).

- **JavaScript** – Interactivity, comment handling, dark mode toggle, and localStorage usage.

- **Bootstrap** – Responsive grid system and components for faster and consistent styling.

- **Font Awesome & Google Fonts** – Icons and custom typography.

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5. SETUP AND INSTALLATION

To run the project locally, follow these steps:

1. Download or clone the project folder from GitHub.

2. Ensure the following files are present: index.html, about.html, contact.html, style.css, script.js, and the Images/ folder with all blog images.

3. Open index.html in a web browser.

4. Navigate through the blog posts, submit comments, and explore additional features like dark mode.

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6. How to Use the Website

1. Open index.html to access the homepage.

2. Use the navigation menu to visit different blog posts or pages (About, Contact).

3. Scroll to the **Comments section** of a post to leave your email and comment.

4. Submitted comments appear below the form and persist on page reload using **localStorage**.

5. Toggle between **light and dark mode** using the theme switch (if implemented).

6. Explore social media icons in the footer for visual enhancement (optional links).

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7. Conclusion

This project demonstrates **proficiency in web development** using HTML, CSS, JavaScript, and Bootstrap. It fulfills the internship requirements while including enhancements like dark mode, persistent comments, responsive design, and modern styling to create a more interactive and enjoyable user experience.

The project highlights the ability to **follow specifications**, as well as **initiative and creativity** in delivering features beyond the basic expectations. It serves as a professional portfolio piece that is ready to impress recruiters.

You can view live demo here:-

https://tufaildafedar0-prog.github.io/blog-website/