Design of a Website for a Rocket Team

https://github.com/mraposka/Web-Tasarim

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Abstract—This report presents the design and development process of a website for a rocket team, aimed at enhancing the team's online presence and facilitating communication with stakeholders. The website was designed to provide an intuitive user interface, highlight the team's achievements, and share updates on ongoing projects. Key features include interactive visuals, a responsive layout for various devices, and sections dedicated to team members, projects, and contact information. The design process followed user-centered principles, incorporating feedback to ensure usability and aesthetic appeal. This study demonstrates how effective web design can support technical teams in showcasing their expertise and fostering engagement.

Keywords—Rocket Team, Web Design, User-Centered Design, Responsive Layout, Website Development, Online Presence, Interactive Features, Usability, Stakeholder Communication.

I. INTRODUCTION

The digital age has made an online presence essential for organizations, including technical teams like rocket groups, which rely on effective communication to showcase their achievements and engage with stakeholders. A well-designed website serves as a powerful tool to share information, attract sponsors, recruit new members, and foster public interest in science and engineering.

This report focuses on the design and development of a website for a rocket team, highlighting the methodologies and tools used to create a platform that reflects the team's identity and supports its goals. The project was inspired by the need to create a user-friendly and visually appealing website that can provide detailed information about the team's projects, milestones, and collaborations.

The website design process followed a user-centered approach, ensuring that the interface is intuitive and accessible across devices. Special attention was given to responsive design, aesthetic consistency, and functional features that align with the team's objectives. This report details the steps taken during the development process, the challenges encountered, and the solutions implemented to create a robust and engaging platform.

The aim of this study is to demonstrate how thoughtful web design can enhance the visibility and impact of a technical team while contributing to their outreach and operational efficiency.

II. EASE OF USE

One of the primary goals in designing the rocket team's website was to ensure ease of use for all visitors, regardless of their technical proficiency. To achieve this, the design process emphasized intuitive navigation, clear content organization, and responsive interaction elements.

The website features a straightforward menu structure, allowing users to easily access sections such as team introductions, project details, news updates, and contact information. Each section is visually distinct yet cohesive, making it simple for users to find the information they need without confusion.

Responsive design principles were applied to ensure the website functions seamlessly across various devices, including desktops, tablets, and smartphones. Interactive elements, such as clickable project timelines and animated highlights of team milestones, were designed to be engaging yet non-intrusive, enhancing user experience without compromising accessibility.

To further enhance usability, feedback from potential users was collected during the development phase. Suggestions related to font readability, button placement, and color contrast were incorporated to improve the overall interface. By prioritizing simplicity and accessibility, the website ensures that visitors can easily explore and understand the team's mission and achievements.

III. RESULTS

The development of the rocket team's website has been successfully completed for the **front-end** and partially for the **back-end**. The **front-end design** is fully responsive, ensuring seamless usability across various devices, including desktops, tablets, and mobile phones. The user interface was crafted to provide an intuitive experience, with features such as a clean layout, interactive project displays, and easy navigation between sections.

For the **back-end**, an admin panel design has been prepared with the same focus on responsiveness and usability. The admin panel includes key functionalities for managing website content, such as updating project details, publishing news, and moderating user interactions. While the interface for the admin panel is complete, the server-side code for these features is still under development.

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