Graphic Arts Institute

Depertment of Computer Science and Technology

Project Report

On

"Lost and Found System"

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Lost and Found System

Introduction

The Lost and Found System is a comprehensive web-based application designed to streamline the process of reporting and tracking lost items within the campus community. This system serves as a centralized hub for managing lost and found items, enhancing the overall user experience and promoting community engagement.

Features

Reporting Lost Items

- **User-Friendly Interface:** The system features an intuitive form that allows users to report lost items efficiently. The form captures essential details, including the item name and a detailed description.
- **Client-Side Validation:** To ensure data accuracy, basic client-side validation has been implemented. Users receive immediate feedback if crucial information is missing before submitting the form.
- **Clear Submission Process:** Upon successful submission, users are notified of the completion, providing a transparent and straightforward reporting process.

Found Items Section

- **Dynamic Display:** The "Found Items" section dynamically displays cards for each found item. These cards present relevant information such as the item name, description, and the option to claim the item.
- **Responsive Design:** Tailwind CSS has been utilized to ensure a responsive and visually appealing layout, allowing users to access the system seamlessly on various devices.
- **Claim Item Functionality:** Users can claim a found item directly through the system. Once an item is claimed, the card is visually marked, and the "Claim Item" button is disabled to prevent duplicate claims.

Claiming Items

- · **Visual Feedback:** The system provides immediate visual feedback when a user successfully claims a found item. This includes updating the appearance of the card and disabling the "Claim Item" button.
- · **Preventing Duplicate Claims:** To maintain fairness and accuracy, the system is designed to prevent users from claiming an item multiple times.

Screenshots

গ্রাফিক আর্টস ইন্সটিটিউট

হারানো ও খুজে পাওয়া শাখা

আপনি কি ক্যাম্পাসে কিছু খুজে পেয়েছেন? অথবা কোন কিছু হারিয়েছেন?

আপনি যদি গ্রাফিক আর্টস ইন্সটিটিউটের ক্যাম্পাসে কিছু হারিয়ে থাকেন কিংবা পেয়ে থাকেন , তাহলে আমাদের এই ওয়েবসাইটের মাধ্যমে তা সাবমিট কিংবা খুজে দেখতা পারেন। এখানে খুব সহজেই আপনি তা করতে পারবেন। তা করতে নিচের বাটনে ক্লিক করুন, এবং আপনার কাঙ্ক্ষিত জিনিসটি খুজুন বা আপনার খুজে পাওয়া জিনিসের ব্যাপারে তথ্য দিন।

আপনার খুজে পাওয়া জিনিসের তথ্য দিন বা হারানো জিনিস খুজুন

Caption: Users can easily report a lost item by providing detailed information in the intuitive form.

Caption: The "Found Items" section displays dynamically generated cards with pertinent details about items found by other users.

Implementation

Frontend Technologies:

- o HTML, CSS, JavaScript
- o Tailwind CSS for styling

Client-Side Validation:

- o · Implemented robust client-side validation to ensure data integrity and guide users through the reporting process.

Dynamic UI:

- o · Utilized JavaScript to dynamically update the UI, providing a seamless and interactive experience for users.

Responsive Design:

- o · Tailwind CSS was employed to create a responsive design, optimizing the system for a wide range of devices.

Future Improvements

Server-Side Processing:

- o Future development will focus on implementing server-side processing to handle form submissions, store data securely, and manage item claims.

User Authentication:

- o Enhancing security measures through user authentication will be a key aspect of future development, providing a more personalized and secure environment.

Notifications:

- o Implementing a notification system to alert users about the status of their reported items and claimed items.

Conclusion

The Lost and Found System represents a significant step forward in managing lost and found items on campus. The system's current implementation focuses on providing users with a seamless reporting and claiming experience. As the system evolves, incorporating server-side processing, user authentication, and additional features will contribute to its overall effectiveness and user satisfaction.