

PROJECT:

LOST AND FOUND PORTAL

Purpose of using lost and found portal:

The main purpose of using a Lost and Found Portal is to help people find their lost items and return found items to the right owner. In schools, colleges, offices, or public places, people often lose things like ID cards, books, wallets, or mobile phones. This portal provides a simple and organized way to report and search for such items. Instead of asking everyone or checking notice boards, users can just go to the portal, enter the item details, and check if someone has found it. If someone finds an item, they can also upload its details so the owner can find it easily. This system saves times.

Objective:

- ❖ Allow users to report found items.
- ❖ Help match lost and found reports.
- ❖ Notify users when a match is found.
- ❖ Make the process simple and fast.

SRS (Software Requirements Specification)

1. Introduction

- ❖ **Scope:** This portal will be used by students, staff, and visitors to report and search for lost or found items. It will be accessible via web browser.
- ❖ **Users:** Admin, Item Owner (who lost something), and Finder (who found something).

2. Functional Requirements

- ❖ Users can register and log in.
- ❖ Users can report a lost item with details like name, description, date, and location.
- ❖ Users can report a found item with similar details.
- ❖ Admin can verify and manage reports.
- ❖ Users can search for items using filters (date, category, location).
- ❖ Notification system to alert users if a match is found.

3. Non-Functional Requirements

- ❖ **Usability:** The portal should be easy to use for all age groups.
- ❖ **Performance:** The system should respond quickly to user actions.
- ❖ **Security:** User data and item details must be protected.
- ❖ **Reliability:** The system should work without errors and be available most of the time.

4. System Modules

- ❖ **User Module:** Login, registration, profile management.
- ❖ **Lost Item Module:** Submit lost item, view status.
- ❖ **Found Item Module:** Submit found item, view matches.
- ❖ **Admin Module:** Approve/reject reports, manage users.
- ❖ **Search Module:** Filter and search items.

Processing of lost and found portal:

a. User Login or Registration:

First, the user opens the portal and either logs in or creates a new account.

b. Submit Lost Item:

If the user has lost something, they fill a form with item name, description, date, and location. This data is saved in the Lost Item database.

c. Submit Found Item:

If the user has found something, they fill a similar form. This goes into the Found Item database.

d. Search and Match:

The system compares lost and found items using keywords like item name, location, and date. If a match is found, it shows the result to both users.

e. Notification:

f. When a match is found, the system sends a message or alert to the user they can contact each other.

g. Admin verification: The admin checks the reports and confirms if the item is genuine. Admin can also delete fake or duplicate entries.

DLD(Data Flow Diagram):

0 Level diagram: