Mater Dei College

Cast Department

**Title: Lost and Found System for Efficient Item Recovery**

**Submitted by:**

John Axcel A. Cervantes

BSIT – 3

**Submitted to:**

Ms. Angela Cecilia Lenteria

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**Problem Statement:**

Losing personal belongings in public places, schools, or workplaces is a common problem. The traditional way of handling lost and found items, such as relying on physical logs or verbal reports, is inefficient and often results in lost items remaining unclaimed. There is a lack of a centralized and systematic approach to tracking and recovering lost items, leading to frustration for individuals and additional workload for administrators. This project aims to develop a digital Lost and Found System that streamlines the reporting, tracking, and claiming process, ensuring better item recovery and organization.

**Objectives:**

1. To develop a web-based Lost and Found System that allows users to report lost and found items efficiently.
2. To implement a role-based access system for administrators and users to manage lost and found records.
3. To provide real-time tracking and notifications for item status updates.
4. To integrate a search and filter feature for easy item retrieval.
5. To enhance security and authenticity in item claims through user verification.

**Scope and Limitations:**

**Pros:**

* Users can report lost items with descriptions and images, making it easier to identify and claim them.
* Found items can be logged with details and locations, improving the chances of lost items being returned.
* Admins can verify claims and manage system data, ensuring accuracy and preventing false claims.
* A web-based platform ensures accessibility from different devices without the need for installation.

**Cons:**

* No real-time tracking of physical items, meaning users must rely on manual updates.
* The system does not handle delivery or retrieval logistics, leaving users to arrange pickup themselves.
* Limited to a web-based platform, which may not be as convenient as a mobile app for some users.

**Technologies to be Used:**

* **Frontend:** Blade Templating Engine with Laravel
* **Backend:** Laravel Framework
* **Database:** MySQL
* **Authentication & Role Management:** Laravel Breeze or Laravel Jetstream with Spatie Laravel Permissions
* **Hosting & Deployment:** Laravel Forge or Shared/VPS Hosting (e.g., DigitalOcean, AWS, or Linode)