University of Caloocan City – North Campus
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Proposed Title: RecoverEase: Where lost meets found.

Description: RecoverEase is a customized web and mobile platform developed specifically for Kai Mall to enhance the management of lost and found items. This platform utilizes AI-driven image recognition to accurately identify and categorize lost items reported by visitors. Through Google Maps API, it tracks the last known locations of these items, aiding in their recovery.

General Objective: To develop a user-focused portal that facilitates the reporting and tracking of lost items within Kai Mall, employing AI Image Recognition and Google Maps API for efficient item recovery.

Specific Objectives:

1. **AI Integration:** Implement AI and image recognition to precisely identify and categorize lost items reported by users.
2. **User Reporting:** Allow users to report lost items with detailed descriptions and images, aiding accurate identification.
3. **Google Maps Integration:** Utilize Google Maps to visualize the last known locations of lost items, improving recovery efforts.
4. **Admin Handling:** Provide mall personnel with tools to manage and update the status of found items, ensuring effective item recovery processes.
5. **User-Friendly Interface:** Design an intuitive interface for users to report lost items and track recovery progress on both web and mobile platforms.

Conditions and Solutions:

- **Owner Verification:**
  - **Verification Process:** Require users to provide detailed descriptions, photos, or unique identifiers of lost items.
  - **Proof of Ownership:** When users claim a found item, request proof of ownership such as receipts or identifying photos.
  - **Timeline Verification:** Collect and compare details about when and where the item was lost to validate claims.
- **Preventing False Claims:**
  - **User Authentication:** Implement email and phone number verification for user authentication.
  - **Valid ID:** Require users to submit a valid ID or similar proof of identity for verification purposes.
  - **Self-Photo Scan:** Incorporate a self-photo scan to match the user with their provided identification.

Scope:

- The platform focuses on functionalities for users to report and track lost items and for mall personnel to manage found items.
- It emphasizes usability and accessibility across desktop and mobile platforms.
- Integration of Google maps and AI technologies enhances the accuracy and efficiency of item recovery efforts.

Delimitations:

- Google Maps integration is limited to visualizing the last known locations of lost items within Kai Mall and does not include real-time tracking.
- For stolen items, it only assists in reporting to Baranggay 174 authorities, requiring separate evidence such as CCTV footage or police reports.
- The platform does not handle transactions or monetary exchanges related to lost and found items; it focuses solely on facilitating item reporting and recovery.

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