**Web Application Proposal**

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**Application Name:**

“L&F UNAI”

**Description:**

* Background:

Students often misplace or lose their belongings on campus, such as books, bags, or electronic devices. Campus Lost and Found aims to provide a platform for students to report lost items and help others find their lost belongings.

* Purpose:

The primary goal of Campus Lost and Found is to facilitate the return of lost items to their rightful owners and promote a sense of community among students by fostering goodwill and cooperation.

* Overview of Functionality:

Campus Lost and Found allows students to report lost items by providing details such as description, location, and contact information. It also enables students to search for lost items that have been reported by others.

**Detailed Functionality:**

* Step-by-Step Process:

1. Visit the Campus Lost and Found website.
2. Choose whether to report a lost item or search for a lost item.
3. If reporting a lost item, provide details such as description, location, and contact information.
4. If searching for a lost item, enter keywords or browse through categories to find relevant listings.
5. Contact the owner of a found item to arrange for its return (if applicable).

* Features:

1. Reporting lost items with descriptions and contact information
2. Searching for lost items based on keywords or categories
3. Contacting the owner of a found item to arrange for its return
4. Option to mark items as found or claimed to update their status
5. Basic user authentication for reporting and searching items

* User Interface and Experience:

Campus Lost and Found features a simple and intuitive user interface designed for ease of use and accessibility. The design prioritizes clear navigation and straightforward functionality, ensuring that students can quickly report lost items or search for their belongings.

* Technologies Used:

1. Frontend: HTML, CSS, JavaScript (Vanilla)
2. Backend: Node.js with Express.js (for basic routing and data handling)
3. Data storage: MongoDB or SQLite (for storing lost item reports and user information)
4. Basic user authentication using username/password or email verification

**Conclusion:**

Campus Lost and Found provides a practical solution for students to report and search for lost items on campus. It aims to promote cooperation and community spirit by facilitating the return of lost belongings to their owners. Challenges in development may include ensuring data security and implementing efficient search and reporting functionalities. We'll focus on creating a user-friendly platform that fosters goodwill and cooperation among students through Campus Lost and Found.

**Database Scheme:**

1. **User Profile Database Schema:**
   * **UserID (Primary Key)**
   * **Password**
2. **Lost Items Database Schema:**
   * **ItemID (Primary Key)**
   * **UserID (Foreign Key referencing User Profile)**
   * **Description**
   * **Location**
   * **Date Reported**
   * **Status (Lost/Found)**
   * **Additional Notes**
3. **Found Items Database Schema:**
   * **ItemID (Primary Key)**
   * **UserID (Foreign Key referencing User Profile)**
   * **Description**
   * **Location Found**
   * **Date Found**
   * **Status (Claimed/Unclaimed)**
   * **Additional Notes**
4. **Item Categories Database Schema:**
   * **CategoryID (Primary Key)**
   * **CategoryName**
   * **Description**
5. **Take Items Database Schema:**
   * **ImageID (Primary Key)**
   * **ItemID (Foreign Key referencing Lost or Found Items)**
   * **ImageURL**