1. **FUNCTIONAL REQUIREMENT**

* **User Registration and Profile Creation :**

1. Develop user registration functionality, including account creation and authentication.
2. Create user profile pages where they can manage their information , upload photos and provide specification of missing person.

* **Photo Upload and Database Management :**

1. Implement a photo upload feature for both missing person and unattended/suspicious person.
2. Design and develop a database management system to store and organize the data of missing person and sightings.

* **Face Recognition and Matching Algorithm:**

1. Research and integrate a face recognition model to compare uploaded images with the database of missing person.
2. Develop and fine-tune an algorithm that can identify potential matches based on facial features.

* **Communication and Messaging:**

1. Build a messaging system that allows users to communicate with parents of missing person.

* **Location Reporting and Mapping Integration:**

1. Integrate Google Maps or similar mapping services to enable users to report the exact location of sightings.
2. Develop a feature that allows users to provide additional details about the sighting and attach it to the location marker.

* **Privacy and Security Enhancements:**

1. Implement measures to ensure the privacy and security of user data, including user authentication, data encryption, and secure storage practices.
2. **PRODUCT BACKLOG (FEATURE LIST)**

* **Sharing live location** : Sharing the live location of user to the family who found unattended/ suspicious when the algorithm matches.
* **Chat** : Family directly chats with the user for further information
* **Email prompt** : A default email will be sent to the family when image get matched and trigger the algorithm.
* **Email Verification** : Email will get verified during account creation.

1. **WORKFLOW DIAGRAM**

