**Software Engineering Report**

**Project Title: Safety Tracker**

**Members:**

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**Problem Statement:**

This application is meant to track location of user and ensure that they are safe, when moving around the society alone, especially in isolated places.

**Motivation:**

This application aims to provide safety to individuals when moving alone in the society and to tackle the problem of increasing number of crimes every day.

**Features:**

* Keep track of user’s location.
* User can choose the permitted trackers of his/her current location.
* Send the user’s location to the chosen trackers.
* Keep track of devices within close proximity of user.
* This information is only accessible to the appropriate authorities.

**Requirements:**

Phone

Internet Connection

**Detailed Working:**

This system will help increase the safety of individuals when they are travelling alone in the society in some isolated place.

It would help track the mobile device of the user and report the tracker ( some friend or family member of the user ) whenever some unusual activity has happened with the user. It can be the user’s device being at a static location for a long time or being in a switched off mode unexpectedly. The tracker can then contact the user using the same application to ensure if everything is all right. A special button in the application can be used to know the details of all the devices that were in close proximity to the user’s device during that particular time. From there onwards, it is the responsibility of police authorities to track the suspected devices and help reach the victim and the criminals more easily.

**Workflow:**

