Locust – Tracker for Safety
Use Case Model

Submitted to:

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Unique Reference:

The documents are stored in the https://github.com/manologhernandez/SOS/tree/master/01-Project%20Documents referenced with **Group1-Locust-UseCaseModel.pdf.**

Document Purpose:

This document is used to capture the requirements needed by the system. This document lists down and visualizes the functionalities of the system and how each actor may interact with the system. Using this document, the researchers can discover the true purpose and functionality of the system, and account for these use cases in future parts of the engineering process.

Target Audience:

The target audience of the system are young adults, specifically high school and college students who usually go out at night and value their safety and security.
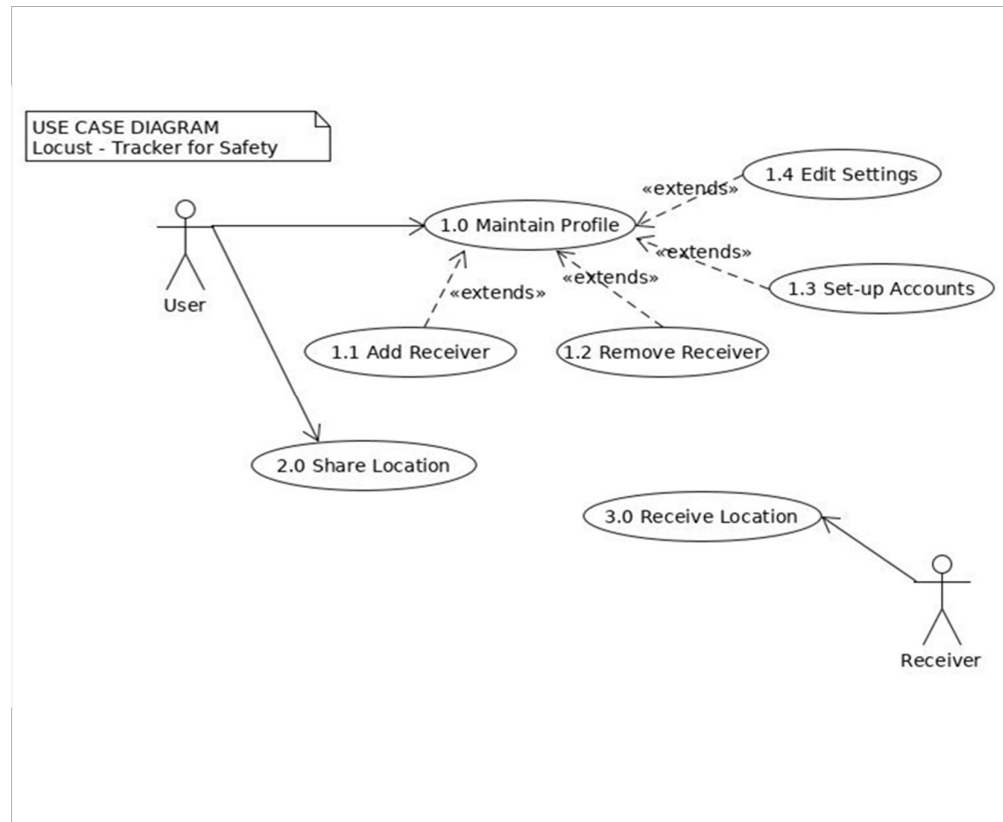
Revision Control:

Revision Date	Person Responsible	Version Number	Contribution and Modification
09/12/19	Jimuel Celeste Jr.	1.0	Added Use-case Diagram
09/16/19	Ricardo Puato III	1.1	Added List of Actors and List of Use-cases
09/16/19	Manolo Hernandez	1.2	Added Document Purpose, Target Audience. Elaborated more in the description of use cases.

System Name: Locust – Tracker for Safety

Description: *Locust – Tracker for Safety* is a location sharing Android application. It would let the user to automate the process of location sharing.

Use-Case Diagram:

USE CASE DIAGRAM
Locust - Tracker for Safety

1.4 Edit Settings
«extends»
1.0 Maintain Profile
«extends»
User
«extends»
1.3 Set-up Accounts
«extends»
1.1 Add Receiver
1.2 Remove Receiver
2.0 Share Location
3.0 Receive Location
Receiver

List of Actors:

Actors	Description
User	The Users sets his/her and the trusted receivers profiles and configures the settings and behavior of the Locust App.
Receiver	The receiver will receive messages containing the GPS coordinates of the phone from the Locust App.

List of Use-cases:

Use-Case	Description
Use-Case 1.0 Maintain Profile	Manages the user's and receiver's profiles.
Use-Case 1.1 Add Receiver	User adds the profile of a receiver.
Use-Case 1.2 Remove Receiver	User removes and deletes the profile of a receiver from the list of trusted receivers.
Use-Case 1.3 Set-up Accounts	Users setups the profile for his/her profile or a receiver's profile. The user can choose what information to send, what time intervals to send it to, and the platform the user wishes to use (SMS, Messenger, etc.).
Use-Case 1.4 Edit Settings	User configures the Locust App's settings and behavior.
Use-Case 2.0 Share Location	Sends the location information to the receivers when prompted by the user.
Use-Case 3.0 Receive Location	Receives the location information sent by the user.