Locust – Tracker for Safety
Requirements Traceability Matrix

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History Revision:

Revision Date	Person Responsible	Version Number	Modification
11/19/19	Celeste, Jimuel Jr.	1.0	Initial Draft; Added use cases in Use Case sheet; Added scenarios in Scenarios sheet; Added UC1.1 UAT sheet;
11/19/19	Puato, Ricardo	2.0	Added UC 2.0 UAT sheet.
11/20/2019	Hernandez, Manolo	3.0	Added UC 1.4 UAT sheet

Use Case

No.	Description
UC1.0	Maintain profile
UC1.1	Add receiver
UC1.2	Remove receiver
UC1.3	Set-up accounts
UC1.4	Edit settings
UC2.0	Share location
UC3.0	Receiver location

Use Case No.	Scenario No.	RTM ID	Scenario Description	Priority Status
UC1.1	**S1**	**UC1.1-S1**	**User adds a receiver (Basic Flow)**	**Must Have**
UC1.1	**S2**	**UC1.1-S2**	**User edits inputted information before finalizing**	**Must Have**
UC1.1	**S3**	**UC1.1-S3**	**User cancels adding a new receiver after reviewing input**	**Should Have**
UC1.1	**S4**	**UC1.1-S4**	**User cancels adding a new receiver after editing data**	**Should Have**
UC1.1	**S5**	**UC1.1-S5**	**Invalid: User adds a receiver with an existing name in the re**	**Should Have**
UC1.1	**S6**	**UC1.1-S6**	**Invalid: User adds a receiver with an invalid phone number.**	**Should Have**
UC1.1	**S7**	**UC1.1-S7**	**Error: File record of receivers not opened.**	**Should Have**
UC1.2	S1	UC1.2-S1	User removes a contact as a receiver (Basic Flow)	Must Have
UC1.2	S2	UC1.2-S2	User would want to undo the removal of the receiver	Should Have
UC1.3	S1	UC1.3-S1	User will initially choose what settings they prefer (Basic Flow)	Must Have
UC1.3	S2	UC1.3-S2	User places the wrong information accidentally	Must Have
UC1.3	S3	UC1.3-S3	User does not provide all the required information	Must Have
UC1.4	**S1**	**UC1.4-S1**	**User modifies their setting (Basic flow)**	**Must Have**
UC1.4	**S2**	**UC1.4-S2**	**User makes modifications to their setting but does not save**	**Should Have**
UC1.4	**S3**	**UC1.4-S3**	**User makes modifications to their setting but decides to cancel their changes instead**	**Should Have**
UC2.0	**S1**	**UC2-S1**	**User shares location**	**Must Have**
UC2.0	**S2**	**UC2-S2**	**User doesn't confirm to share location**	**Must Have**
UC2.0	**S3**	**UC2-S3**	**User misclicks share location**	**Must Have**
UC2.0	**S4**	**UC2-S4**	**User does not have GPS enabled**	**Must Have**
UC3.0	S1	UC3-S1	Receiver receives message containing location and status of User (Basic Flow)	Must Have
UC3.0	S2	UC3-S2	Receiver receives message containing inaccurate location and status of User	Must Have
UC3.0	S3	UC3-S3	Receiver does not have signal/internet connection	Must Have
UC3.0	S4	UC3-S4	Receiver would want to opt-out of being a receiver for the said User.	Must Have

Use Case No.	Scenario No.	RTM ID	Scenario Description	Receiver Name Valid	Receiver Phone Number (without the quotes)	Receiver Phone Number Valid	Receiver Account Exists in System	*Receiver.csv* file open	Expected Results
UC1.1	S1	UC1.1-S1	User adds a receiver (Basic Flow)	John	"+639288918623"	Yes	No	Yes	Confirmation message: The receiver has been added.
UC1.1	S2	UC1.1-S2	User edits inputted information before finalizing	Jenny	"+639288918624"	Yes	No	Yes	Confirmation message: The receiver has been added.
UC1.1	S3	UC1.1-S3	User cancels adding a new receiver after reviewing input	Jay	"+639288918625"	Yes	No	Yes	Confirmation message: Process canceled.
UC1.1	S4	UC1.1-S4	User cancels adding a new receiver after editing data	Jill	"+639288918626"	Yes	No	Yes	Confirmation message: Process canceled.
UC1.1	S5	UC1.1-S5	Invalid: User adds a receiver with an (	John	"+639288918627"	Yes	Yes	Yes	Error message: Receiver name already exists!
UC1.1	S6	UC1.1-S6	Invalid: User adds a receiver with an i	Jeck	"11"	No	No	Yes	Error message: Invalid receiver phone number!
UC1.1	S7	UC1.1-S7	Error: File record of receivers not ope	Jeck	"+639288918628"	Yes	No	No	Error message: File error! Receiver can't be added at the moment.

Use Case No.	Scenario No.	RTM ID	Scenario Description	User Name Valid	Save Location Frequency Valid	Number of Saved Locations Valid	Default SOS Message Valid	User presses "Save"	User presses "Cancel"	*Settings.csv* file open	Expected Results
UC1.4	S1	UC1.4-S1	User modifies their setting (Basic flow)	Manolo Hernandez	Every 30 mins	3	"Help! This is an SOS message. My location is at <location>. Please come pick me up."	Yes	No	Yes	Confirmation message: Your modifications have been saved.
UC1.4	S2	UC1.4-S2	User makes modifications to their setting but does not save	Jimuel Celeste	Every 1 hour	5	"Help! I've listed you as my close friend. My location is at <location>. Please come pick me up."	No	No	Yes	User goes back to the main menu
UC1.4	S3	UC1.4-S3	User makes modifications to their setting but decides to cancel their changes instead	Ricardo Puato	Every 20 mins	1	"This message was sent using the Locust App. I am in danger and I need your help. My location is <location>"	No	Yes	Yes	User goes back to the main menu

Use Case No.	Scenario No.	RTM ID	Scenario Description	GPS Enabled	User reviews the list of receivers and confirms share location.	User accepts the secondary confirmation prompt.	Expected Results
UC2.0	S1	UC2-S1	User shares location	Yes	Yes	Yes.	Location successfully sent. Confirmation Message: Location Sent
UC2.0	S2	UC2-S2	User doesn't confirm to share location	Yes	No.	No.	Goes back to the main menu.
UC2.0	S3	UC2-S3	User misclicks share location	Yes	Yes.	No.	Goes back to the main menu.
UC2.0	S4	UC2-S4	User does not have GPS enabled	No.	No.	No.	Error Message: Please turn on Location Services.