

# SafetyPal Release Plan

## 1. Heading:

- a. Document name
  - i. Release Plan
- b. Product name
  - i. SafetyPal
- c. Team name
  - i. Safety-Pals
- d. Release name
  - i. SafetyPal v.1
- e. Release date
  - i. July 25, 2018
- f. Revision number
  - i. Rev. #2
- g. Revision date
  - i. July 6, 2018
- h. Team members
  - i. Evan Blank (ebblank@ucsc.edu)
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## 2. High Level Goals:

- a. Create a fast and reactive communication platform for use in emergencies only.
- b. Trigger alarm on safety contacts' devices so they can answer the distress call.
- c. Be able to put contacts in the communication platform.

## 3. User Stories for Release:

### Sprint 1:

*User story 1 (13 pts):* As a user, I would like to save contacts and have log-in capabilities so that I can instantly send messages to people I want to contact.

- *Task 1 (4 pts):* Use Firebase to implement Google account authentication challenge using OAuth2 protocol.
- *Task 2 (3 pts):* Implement Google contacts view to select safety contacts.
- *Task 3 (3 pts):* Create a structure to store and access specific safety contacts.
- *Task 4 (3 pts):* Create an outgoing SMS system.

*User story 2 (5 pts):* As a user, I would like to be able to use this app effectively through an interactive UI.

- *Task 1 (1 pts):* Design a basic layout of the interactive UI so we can understand how many core functionalities for buttons, certain views, etc.
- *Task 2 (2 pts):* Create a simple UI in Android studio for login page.

- *Task 3 (2 pts):* Create a simple UI in Android for the homepage of the app.

*User story 3 (6 pts):* As a user, I need to send an SMS alert.

- *Task 1 (1 pts):* Learn how to send/receive SMS, Android SmsManager API.
- *Task 2 (4 pts):* Implement outgoing SMS functionality.
- *Task 3 (1 pts):* Create test cases to check SMS functionality.

*User story 4 (6 pts):* As a user, I need to send my current location.

- *Task 1 (1 pts):* Learn how to find and send device location, Google Fused API.
- *Task 2 (2 pts):* Create a method to get device's last known location.
- *Task 3 (3 pts):* Create a method to store and transfer device's last known location.

*User story 5 (8 pts):* As a user, I need to trigger an alarm on my safety contacts' devices when I am in trouble.

- *Task 1 (1 pts):* Learn how to trigger an alarm on another user's device.
- *Task 2 (4 pts):* Implement an alarm in the SafetyPal app.
- *Task 3 (3 pts):* Once the alarm system is created, test the system to make sure it is working properly. If not improve the code.

## **Sprint 2:**

*User story 1 (6 pts):* As a user, I would like to have a messaging system to communicate with safety contacts.

- *Task 1 (1 pts):* Learn how to send and receive message within the app.
- *Task 2 (4 pts):* Implement a messaging system that allows in-app send and receiving.
- *Task 2 (1 pts):* Once the pre-built messages is created, test the system to make sure it is working properly. If not improve the code.

*User story 2 (5 pts):* As a developer, I need to improve the UI to make the user experience simpler.

- *Task 1 (3 pts):* By using the Android app, start adding more features in the UI like dashboard and a profile page.
- *Task 2 (2 pts):* Once the UI is finished, check coherence through each page of the app.

*User story 3 (20 pts):* As a developer, I need to readjust during this sprint and work on areas of my strengths to further improve the app.

- *Task 1 (20 pts):* If people are not finishing the tasks at a constant pace, help them get the task done.

## **Sprint 3:**

*User story 1 (5 pts):* As a user, I would like to be able to delete contacts I may have accidentally added.

- *Task 1 (1 pts):* Learn how to be able to add and remove contact functionality in Firebase.
- *Task 2 (3 pts):* Implement contact add/delete functionality.
- *Task 3 (1 pts):* Once the functions are created, test the functions to make sure they are working properly. If not improve the code.

*User story 2 (10 pts):* As a developer, I need to add my flair and aesthetic to the project.

- *Task 1 (10 pts):* Improve UI by adding color and images.

*User story 3 (13 pts):* As a user, I would like to be assured that my message has been received and read by getting some sort of confirmation.

- *Task 1 (3 pts):* Learn how to update the app to notify the user their message has been read.
- *Task 2 (8 pts):* By using the Android app, implement what was learn by adding an update function in the app.
- *Task 3 (2 pts):* Once the function are created, test the function to make sure they are working properly. If not improve the code.

*User story 4 (10 pts):* As a user, I would like to know the app is reliable and will not crash.

- *Task 1 (5 pts):* Integrate the firebase and UI systems together.
- *Task 2 (5 pts):* Once the everything is placed together, test the app make sure they are working properly. If not improve the code.

#### 4. Product Backlog:

*Goal:* Create a functioning app that can...

Send SMS to a group of people at a time
Have proper notifications / alarms to alert trusted contacts
Have some sort of confirmation that the message has been received
Utilize location services and can manipulate those functionalities
Involve databases & storage
Have built-in messages
Store a Trust-Friend's list