Release Plan - CSE 115A

Team: SafeHouse Keepers
Product Name: SafeHouse
Release Name: Build 1
Release Date: End of Fall Quarter
Revision Number: 3
Revision Date: November 3, 2021

Team members:
- Product Owner: Nathaniel Lee
- Scrum Master: Luc Milburn
- Developer: Josue Zamudio
- Developer: Joeny Vo
- Developer: Clyde Li

High-level goals:
- Allow for a unique and customizable experience for each user with regards to the checklist functionality
- Automate the process of arriving to/departing a home location through location tracking using Google Maps API
- Create a lock/unlocking feature of the checklist which activates upon leaving/arriving home to prevent second-guessing

Story point standard:
?: to be decided / (TBD)
1: easy / (half a day)
3: average / (a day or two)
5: bit more challenging / (three to five)
8: challenging / (a week)
13: very difficult / (1.5 to 2 weeks)

User stories for release:
Sprint 1:
Infrastructure: create a GitHub repository and have everyone on the team clone it on their unique devices and create their own branch, this repo needs react library installed
Spike: youtube: React Native, Expo, JavaScript, cache system with mobile apps? To cache RNG ID

(3) User story 1: As someone who gets confused easily, I want a basic UI that is able to display my tasks so that I can examine everything I've entered into my checklist.

(3) User story 2: As someone who has a lot of tasks to remember before leaving the house, I would like a way to add or remove tasks to my checklist so that I can keep track of the things I need to remember before leaving the house.

Sprint 2:

Spike: google map API

(3) User story 1: As a person who leaves the house often, I want a way to log my home location so that my checklist resets whenever I arrive home.

(5) User story 2: As someone who leaves the house often, I want the app to automatically detect when I'm close to my house so that I don't have to manually inform the app that I'm home.

(3) User story 3: As a forgetful person, I want my checklist to be locked when I'm out of the house and unlocked when I arrive home so that I don't second guess myself on the tasks I have listed.

Sprint 3:

Spike: databases, google authentication

(3) User story 1: As an individual who cares about visuals, I want the app to be more user-friendly and look more appealing so that it's easier to look at and navigate around.

(3) User story 2: As a user who wants to have their information saved securely, I want the app to use a secure authentication system like Firebase so that I can just use my gmail account as my account for SafeHouse.

(5) User story 3: As a user who wants my tasks to be saved on and offline with the mobile app, I want to have my inputs displayed upon sign-in with Firebase through the app's database so that my tasks and home address can be retrieved and used in the app without my having to reenter them

(5) User story 4: As a user who wants my tasks to be saved on and offline with the mobile app, I want to have my inputs saved in Firebase database so that my inputs can be saved for later.

(3) User story 5:. As a forgetful person, I want my checklist to be locked when I'm out of the house and unlocked when I arrive home so that I don't second guess myself on the tasks I have listed.

Sprint 4:

Spike: more database?

(3) User story 1: As a developer, I want to be able to understand the project code through comments so that I can maintain and scale the application.

(3) User story 2: As a developer, I want all the documentation to be organized in the repo so that I can reference them when questions arise regarding the application.

(3) User story 3: As a developer, I want a clear READ.ME to guide me through what's in the repo so that I can properly build and use the application.

(3) User story 4: As a customer, I want a powerpoint presentation that demos and walks through the application at a high level so that I can validate whether or not it meets my expectations.

(3) User story 5: As a developer, I want testing and prototype documentation so that the user can be assured that the project is functional and resistant to errors.

(3) User story 6: As an end user, I want confirmation for changing my home location so that I don't accidentally relocate and lose my original location.

(3) User story 7: As a developer, I want to prevent users from spamming the database so that our systems aren't overloaded, and additionally allow our app to continue running quickly.

Backlog:
- Add ability to input address manually
- Find way to store user address unique to a single phone
- Scale app to handle multiple houses/locations