User story for application login
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CS411-Project Assignment 2

Use Case 1: User is currently safe, proceeds to log in to the app.

Actor: Any user who is currently safe (i.e. not using app for services immediately)

Use Case Overview: A user is in their home and intends to use the application while traveling in the future. They have time to specify some details and set up their account without time being a factor.

Precondition(s): They are connected to the internet and the app is downloaded on their device.

Basic Flow; Login as Normal: This scenario describes the steps that the user takes in order to login to the application and to give some details about themselves such as their name and home address.

1) The user opens the app on their device. They are greeted by a page that is segmented into two components. The first reads: "Login and Profile Setup" and is in one color while the other reads "I Need Help".
2) The user selects the component that says "Login and Profile Setup."
3) A pop-up box appears and asks for their location information through the device services API. They can choose to provide this now or to skip this.
4) They are asked to login using a secure third-party login service such as Google, Facebook, or Apple secure login.
5) Once they have selected one of these login options they will be able to add simple information such as (1) their full name (2) an emergency contact and (3) their home address. This information will be saved locally within secure local storage.
6) Once they have logged in and provided this information, they should be done logging in and the app should remember their credentials for the future.

Termination Outcome: The user can now use the application with its full suite of features including routing to home from another location or from home to another location.

Alternative Flow 2A; The user needs immediate assistance while traveling: In this path the user has opened the app while in a situation where they need immediate help to move between two points and it would be unsafe to require them to sign in.
1) The user selects the component that says "I Need Help."
2) They are immediately taken to another segmented page that has the options: "Call Authorities" and "Help Traveling."

3) After having selected one of these options they will be taken to a specific page for each that will allow them to deal with this current issue.

Alternative Flow 2A:3A; The user needs to contact the authorities immediately:

1) The user selects the option "Call Authorities" which immediately routes their device to a 911 calling application (this might be Noonlight or the users device default calling application with 911 prefilled in the phone-number line.

Termination Outcome: The user is able to speak to the authorities, at which point the application should revert to its beginning state at **Normal Flow 1**.

Alternative Flow 2A:3B; The user needs help traveling between two places:

1) The user selects the option "Help Traveling."
2) The app gives them a prompt to specify their terminal location.
3) The app gives them a notification, if required, that gives permission to the application to access the user's location.
4) The app then creates instructions in order for the user to go between their current location and their target location. The routing flow is specified separately.

Termination Outcome: The application will switch context to the routing flow of the application, at which point they ought to be able travel safely from their current location to their destination.

Alternative Flow 4A; The user does not have a supported account:

In this scenario, the user has been given the option of securely logging in using one of the third-party login methods. Unfortunately for the moment this will mean that they will be routed back to the main page with a message that indicates that they are not able to use the app with the extended, non-critical features that logging in allows for.