SafeWalk

Project Architecture

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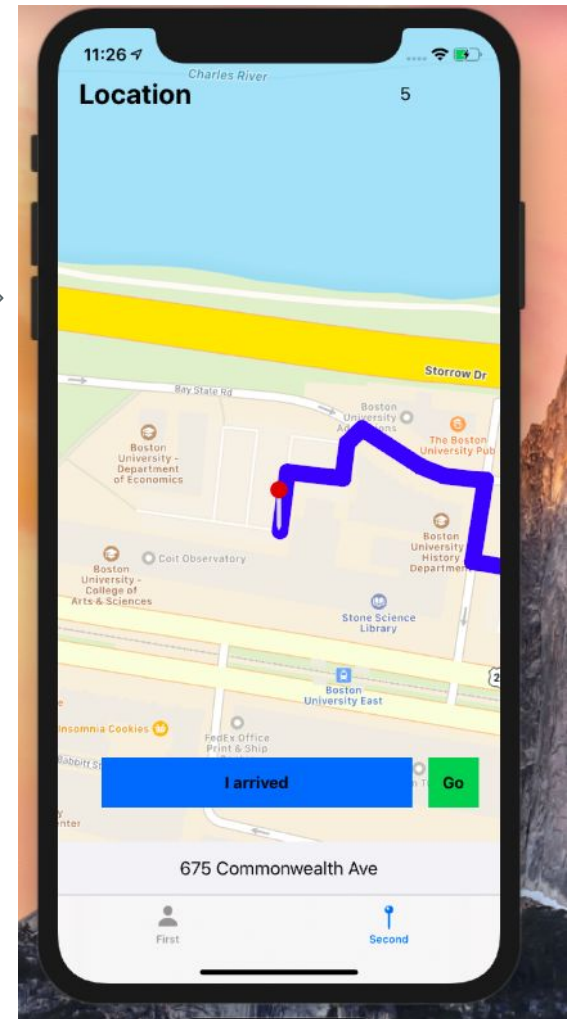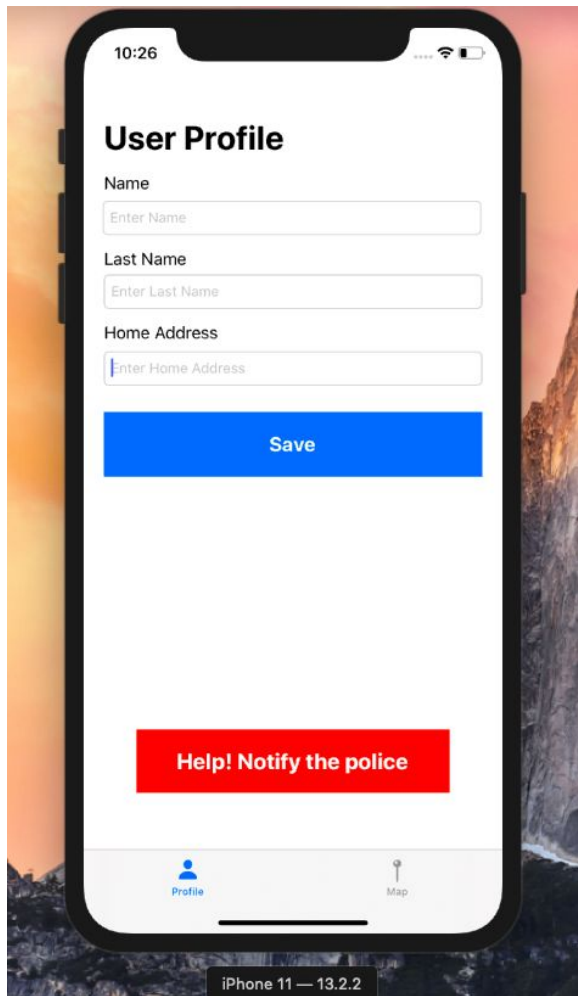# Who is the audience? What is the app's purpose?

- The SafeWalk application is intended for college students coming back from the library at late hours, tourist wandering around an unknown country, and women walking back home from work.
- SalfeWalk's purpose is to track the user's location and detect any unusual behavior from the user. If such behavior is detected, emergency contacts will be called.
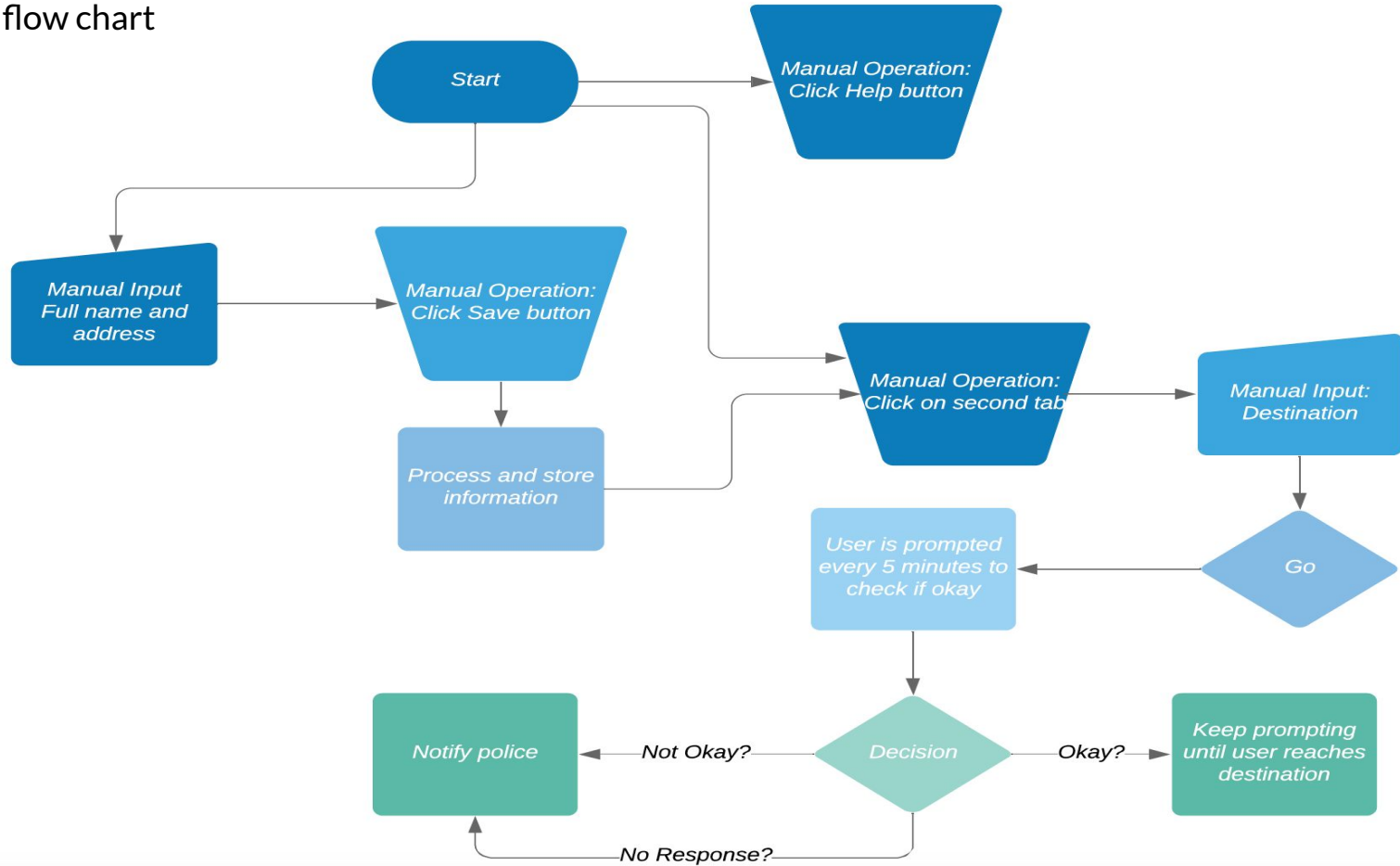
Project Diagram

The app includes two classes:

- First View Controller
  - User Profile
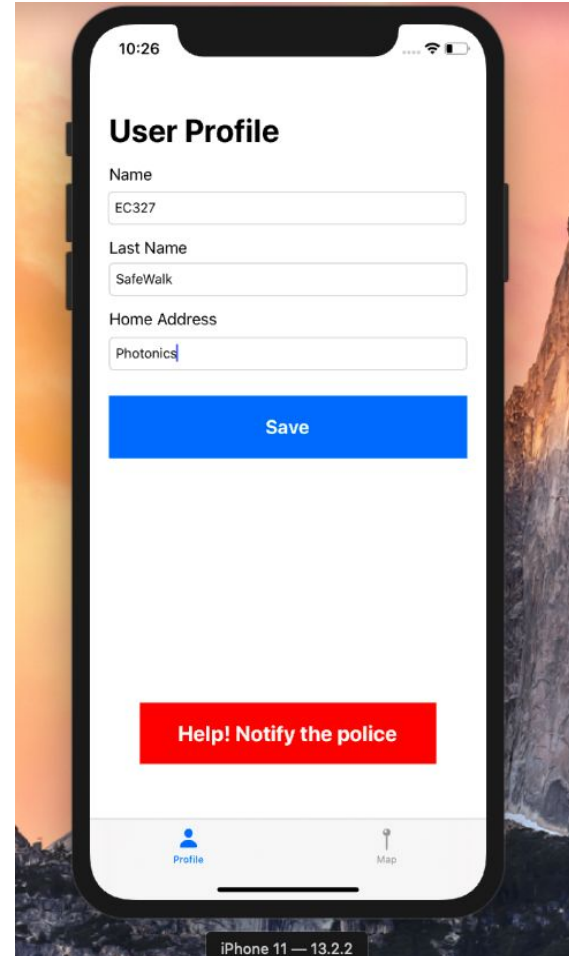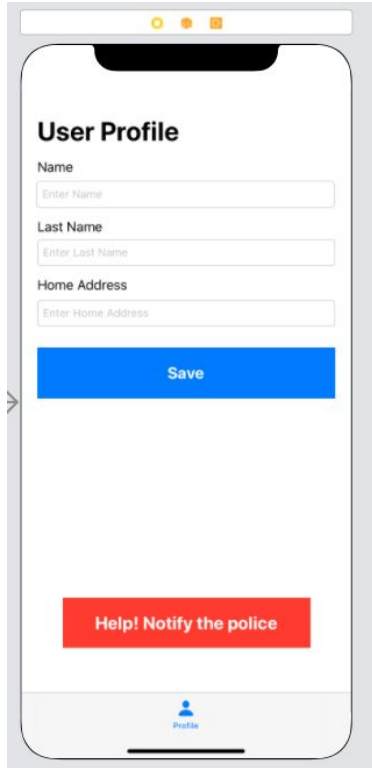- Second View Controller
  - Location/Map

User Profile

Name

Enter Name

Last Name

Enter Last Name

Home Address

Enter Home Address

Save

Help! Notify the police

Profile   Map

iPhone 11 — 13.2.2

Hitting Map Button

Hitting Profile Button

Location   5

Charles River

Storrow Dr

Bay State Rd

Boston University Admissions

The Boston University Pub

Boston University - Department of Economics

Boston University History Department

Coit Observatory

Boston University - College of Arts & Sciences

Stone Science Library

Boston University East

Insomnia Cookies

FedEx Office Print & Ship

I arrived   Go

675 Commonwealth Ave

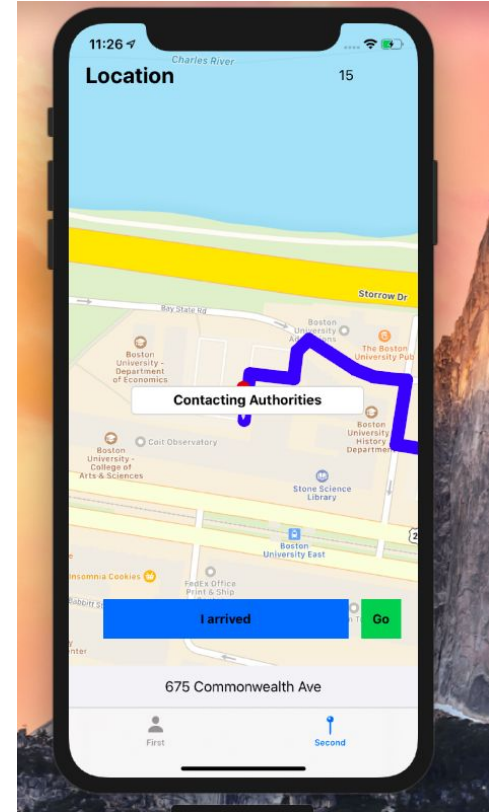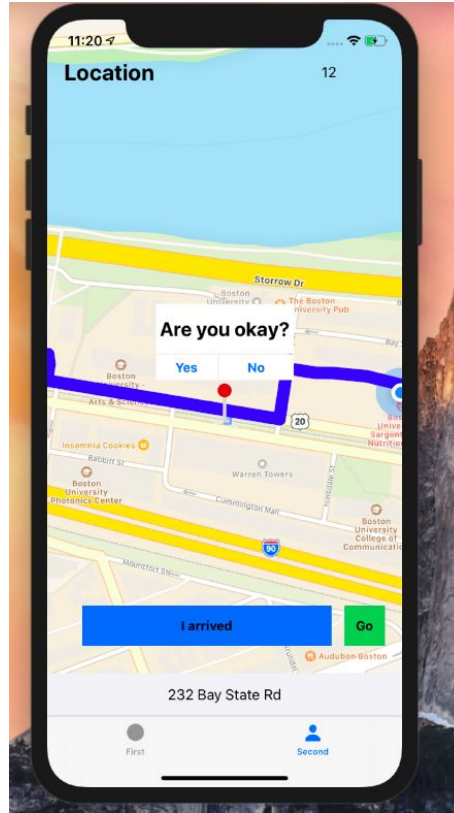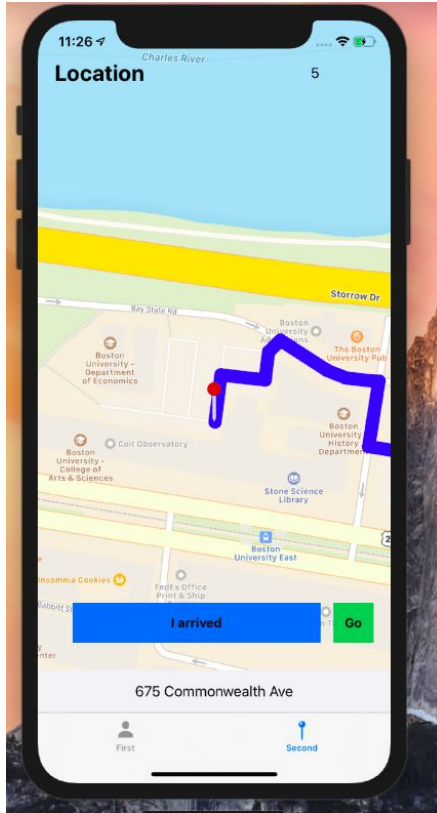First   Second

App flow chart

First View Controller

First View Controller

- Default screen when the app is opened
- The first time the app is opened, the user has to complete the profile by inputting their full name and address.
- These fields are saved by pressing the "Save" button, but can be changed at any time.
- A "Notify the Police" button is available to be clicked at any time if the user feels that he/she is in danger.

Second View Controller

Second View Controller

Accessed by clicking the map icon on the main tab.

- A "Go" button is available for users to click which will generate the "safest" route and initiate a timer for user notification.
- Every 5 minutes (might be changed later), the user receives a prompt asking if they feel okay, if the user fails to respond after a certain amount of time, the app will contact the police automatically.
- The process ends once the user manually tells the app that they have reached the desired destination by clicking the "I have arrived" button.

App Specs

- Safest route determined by traffic
  - User won't feel alone walking back home
- Free, user-friendly, and easily accessible
  - The app does not require any type of registration, just the full name, address, and current location that will be used in case of emergency
- Useful for:
  - College students returning from parties (or anywhere) late at night alone
  - Women who work late night and walk through shady streets to reach home
  - Tourists visiting foreign country who are not familiar with the region
  - And many more

Why invest?

- By college students, for college students
- With funding, add more functionalities and make more user-friendly
  - Add features such as emergency contact, geocoding, and possible service for nearby people to walk you home.
- More accuracy on determining best route
  - Including other factors that determine safest route
- Could save lives!

Thank you