

Figure 1: Safety Beacon Logo

# GETTING STARTED DOCUMENT

## SAFETY BEACON - CMPT 275

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**Website**  
[github.com/nathantannar4/Safety-Beacon](https://github.com/nathantannar4/Safety-Beacon)

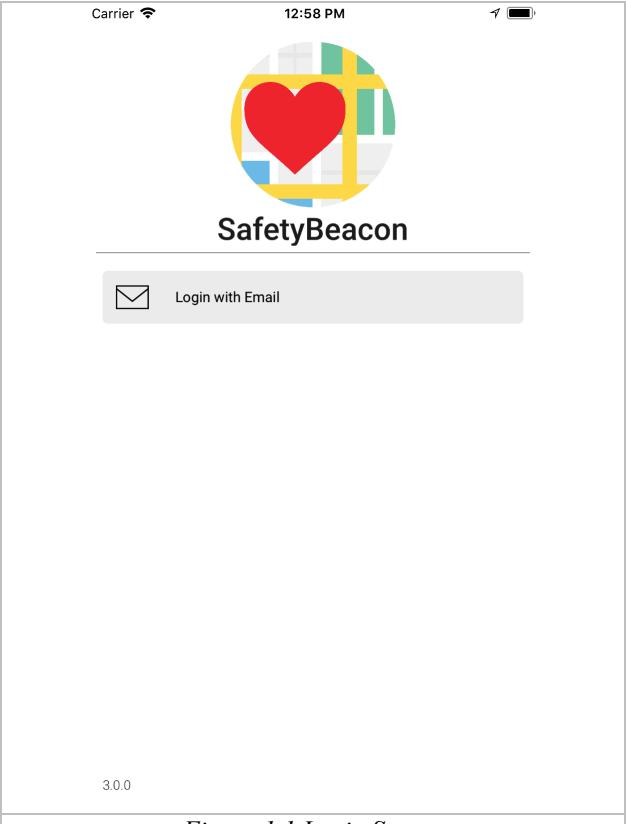
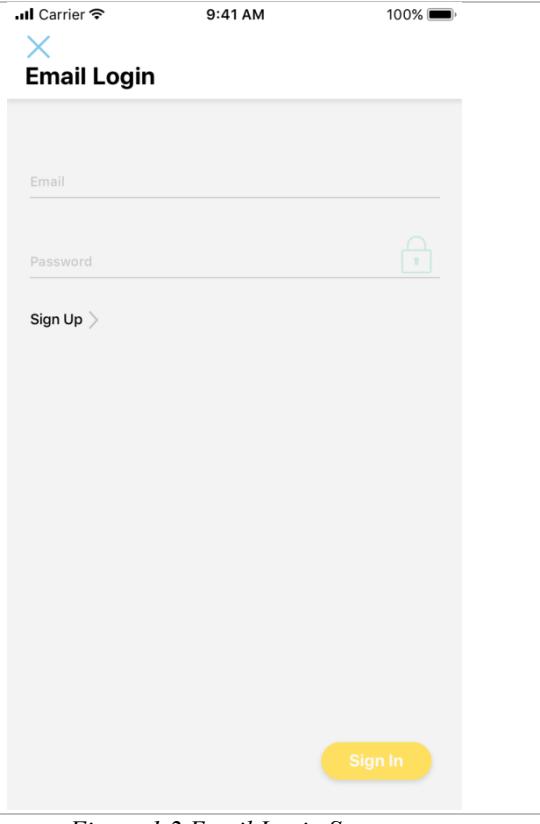
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## Scenario 1: Account Registration

A caretaker and patient want to sign up for accounts and link themselves together. On launching the app, the caretaker or patient logs in or signs up with their email and password. They will be detected as accounts that do not exist and asked if they would like to create these new accounts

1. Once both phones are logged in, both will be displaying a selection screen which determines the type of account, either Caretaker or Patient
2. On the patient's iPhone, select Patient and you will be shown their unique ID
3. On the caretaker's iPhone, select Caretaker and enter the patient's unique ID
4. That's it! The accounts are now linked, and the patient and caretaker menus will be shown respectively

 The image shows the SafetyBeacon login screen. At the top, there is a circular logo with a red heart in the center, surrounded by a grid of colored squares (blue, yellow, green). Below the logo, the text "SafetyBeacon" is displayed. At the bottom of the screen, there is a grey button with a white envelope icon and the text "Login with Email". The status bar at the top shows "Carrier" with signal strength, "12:58 PM", and battery level.	 The image shows the "Email Login" screen. At the top, it says "Email Login". There are two input fields: "Email" and "Password", with a lock icon next to the password field. Below the fields are "Sign Up >" and "Sign In" buttons. The status bar at the top shows "Carrier" with signal strength, "9:41 AM", and battery level.
<i>Figure 1.1 Login Screen</i>	<i>Figure 1.2 Email Login Screen</i>

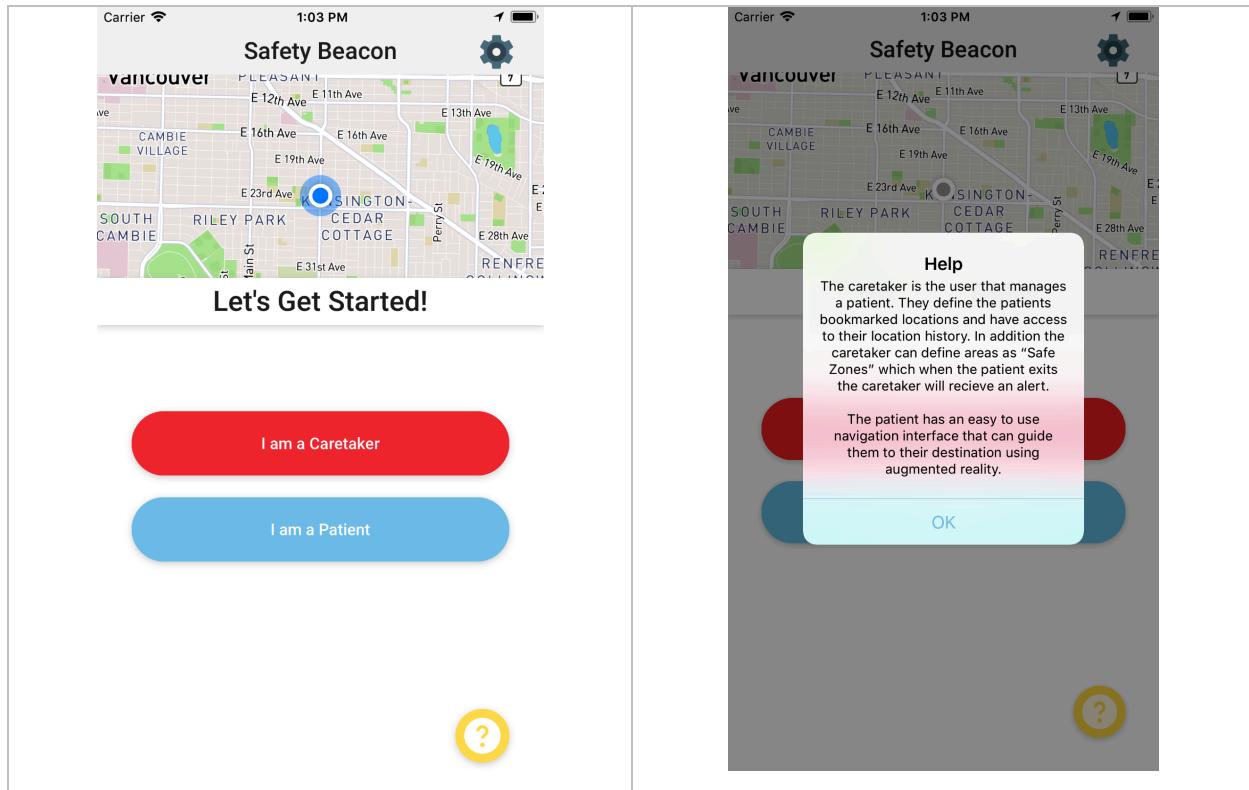


Figure 1.3 Caretaker or Patient Selection

Figure 1.4 Help Prompt

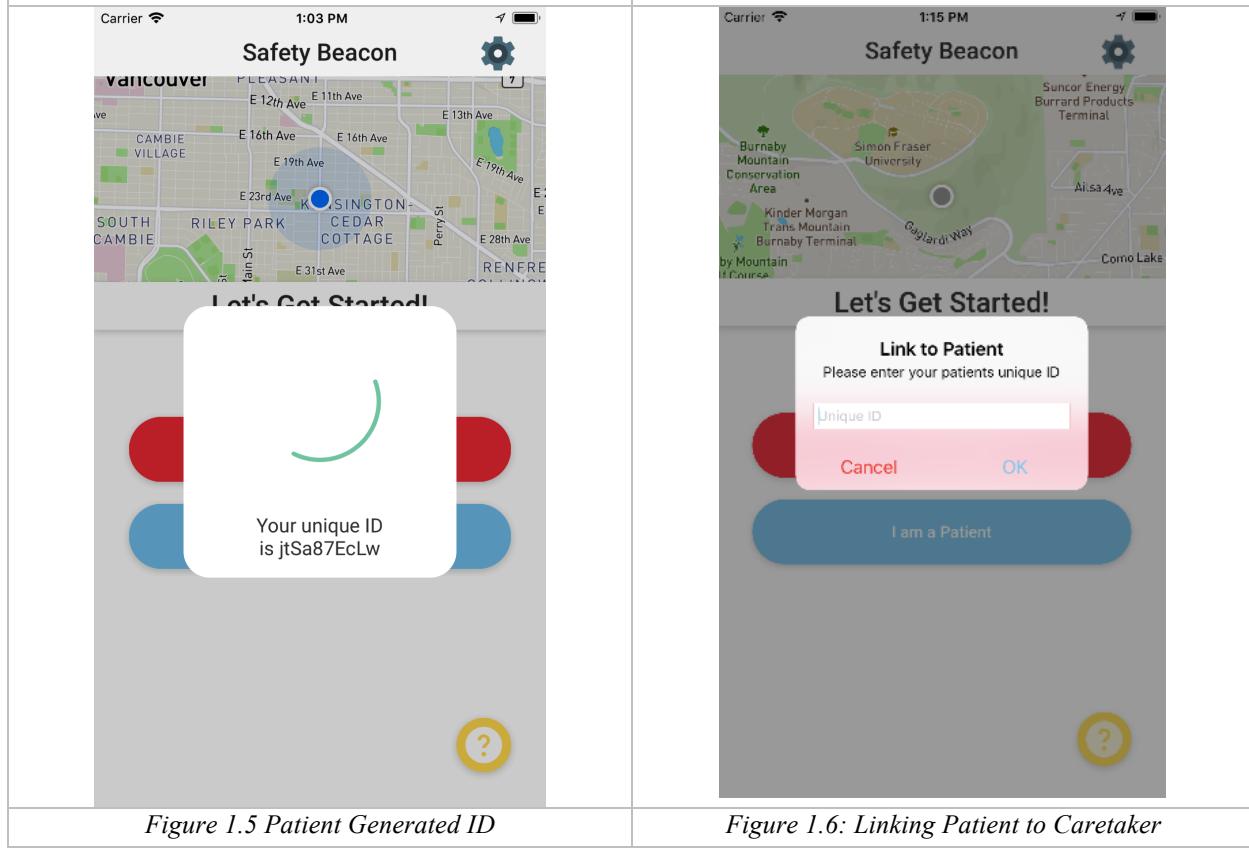


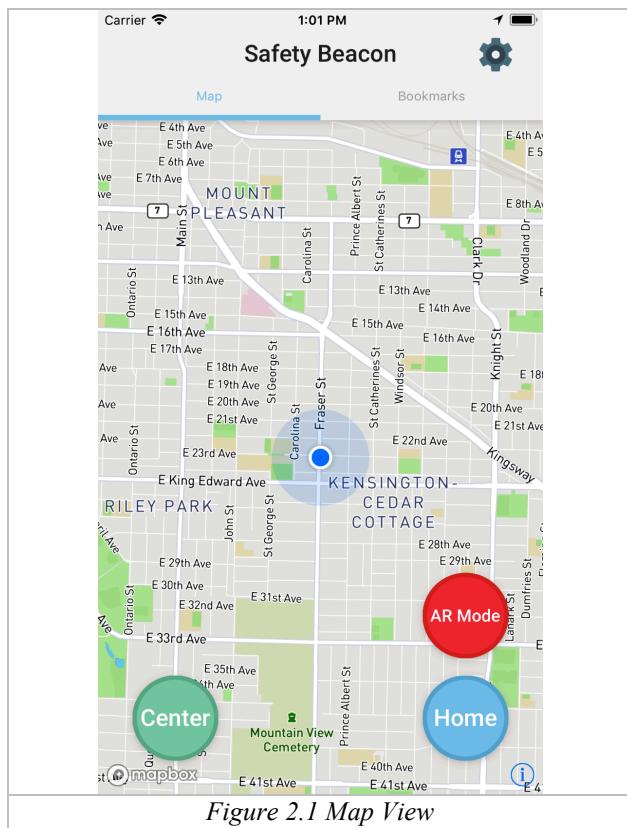
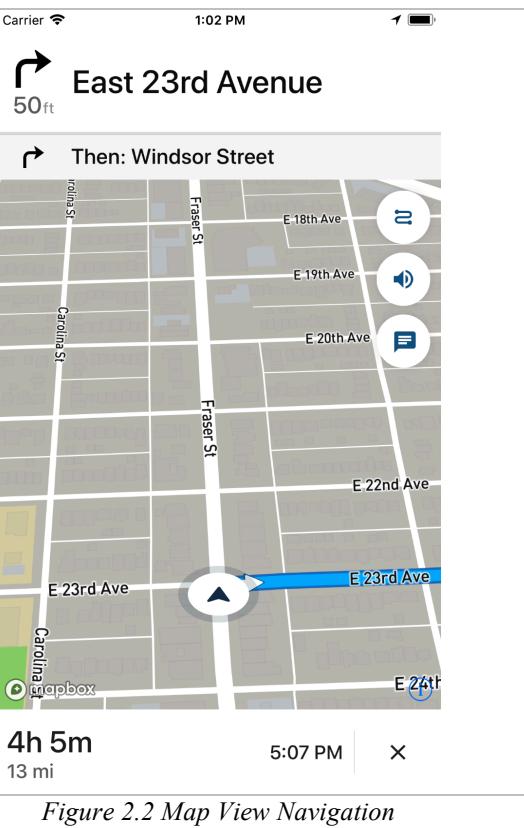
Figure 1.5 Patient Generated ID

Figure 1.6: Linking Patient to Caretaker

## Scenario 2: Patient's Take Me Home Button

The patient wishes to navigate directly back to their home from their current location.

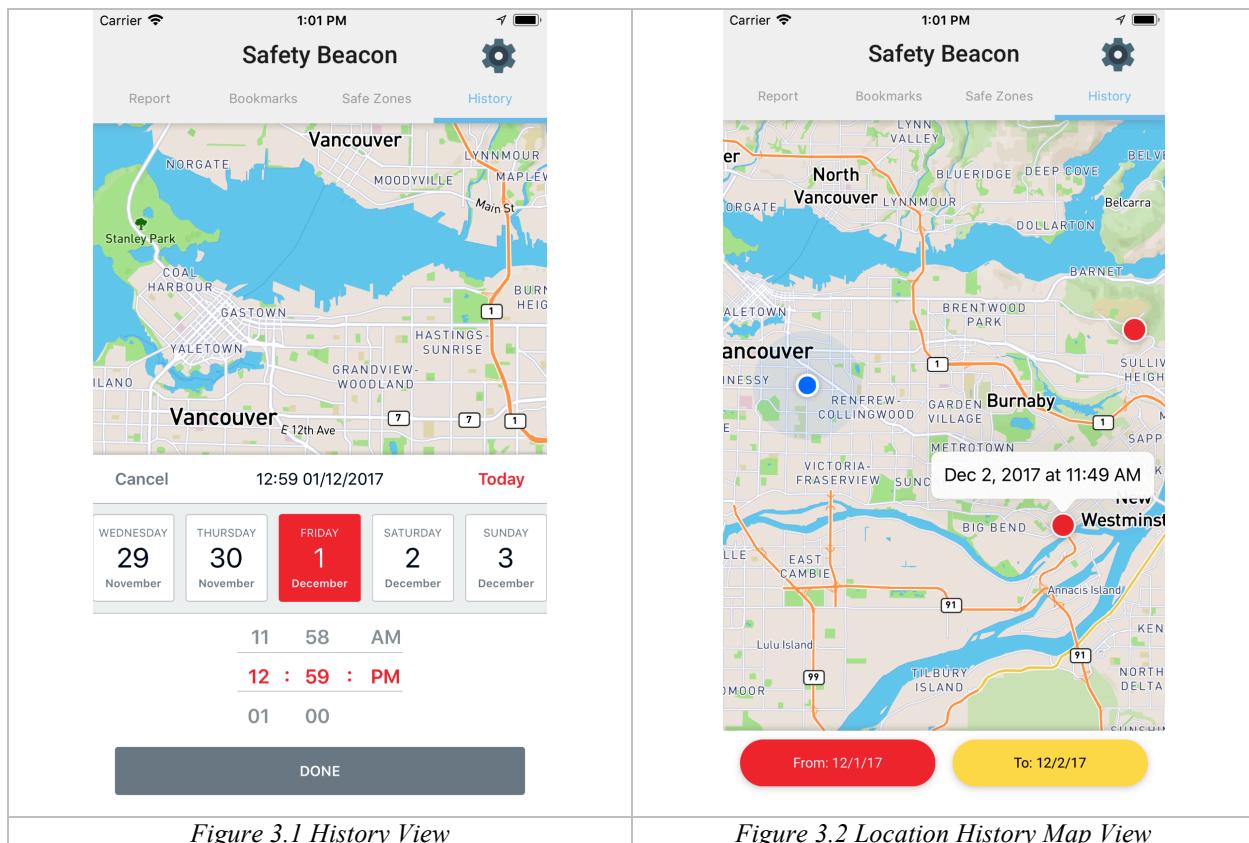
1. On the Patient Menu, the patient selects the Map Tab
2. They select the blue “home” button on the bottom right corner of the screen
3. The patient can select between Augmented Reality navigation and standard map view navigation.

 <p><b>Figure 2.1 Map View</b></p>	 <p><b>Figure 2.2 Map View Navigation</b></p>
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### Scenario 3: Viewing the Patient's Location History

The caretaker wants to view the patient's location history

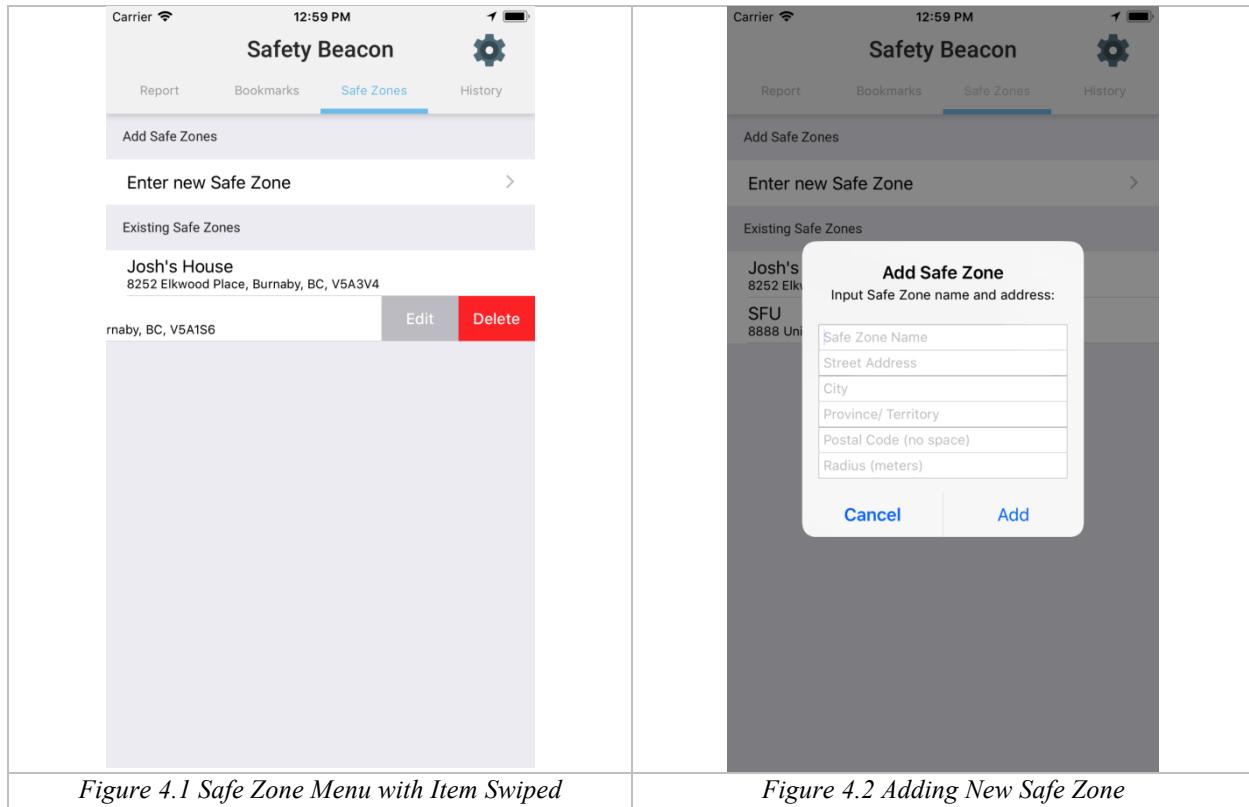
1. On the Caretaker Menu, select the History Tab
  - a. The caretaker first selects the starting date and time
  - b. The caretaker second selects the ending date and time
2. The caretaker will be shown the patient's location history via the map view, with red markers on the map representing the previously visited locations within the time frame



## Scenario 4: Caretaker Adding a Safe Zone to Patient's Account

The caretaker wishes to setup a Safe Zone for the patient. This allows the caretaker to receive notifications when the Patient enters or leaves the desired location and radius

1. On the Caretaker Menu, select Safe Zones Tab
2. The caretaker then taps the “Enter new Safe Zone”
3. Upon loading the “Add Safe Zone” popup screen, enter in the desired name, address, and radius for the Safe Zone
4. Tapping the Safe Zone location on the screen brings up a map view of the Safe Zone, allowing the Caretaker to see the Safe Zone location on the map with the radius shown as a blue circle centered at the red marker
5. Swiping left on the Safe Zone location allows the Caretaker to edit or delete the Safe Zone



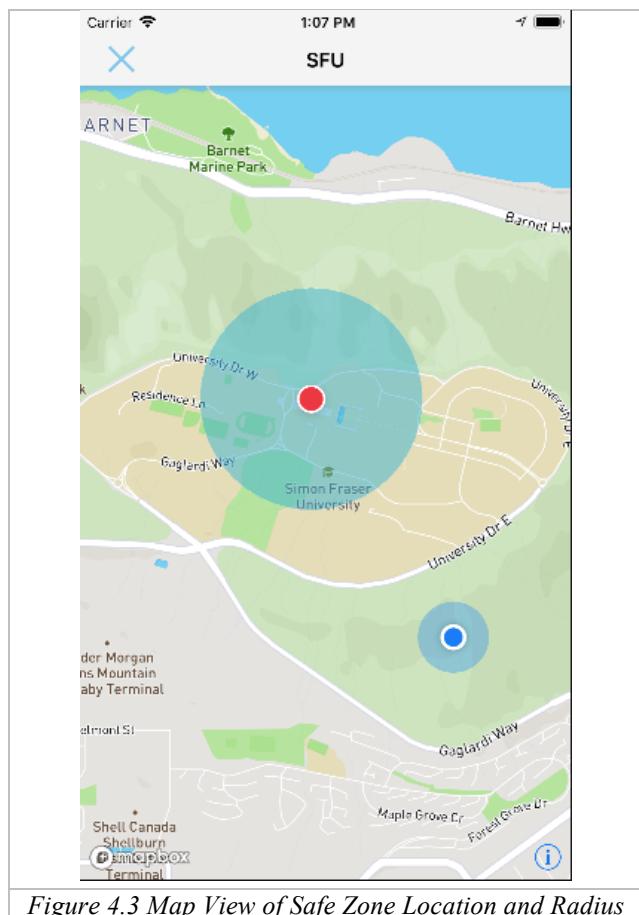
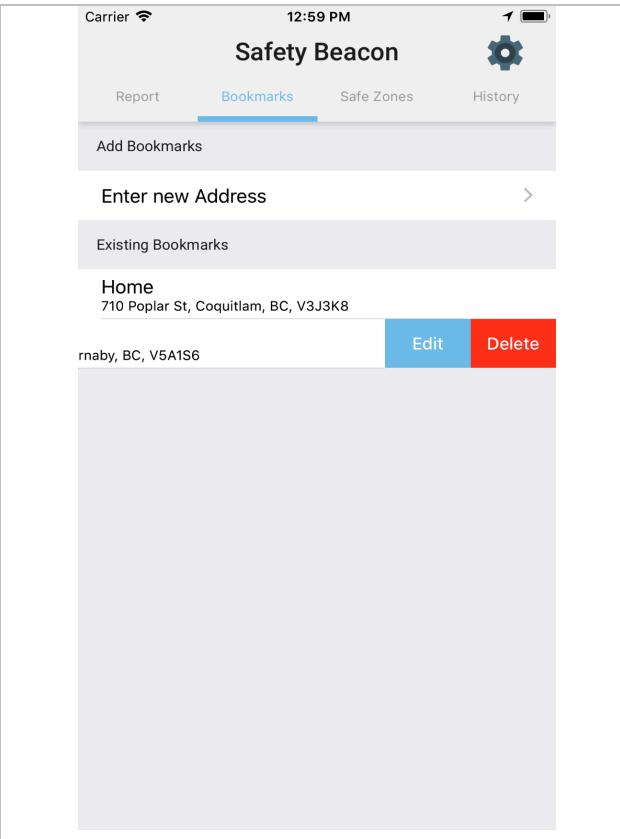
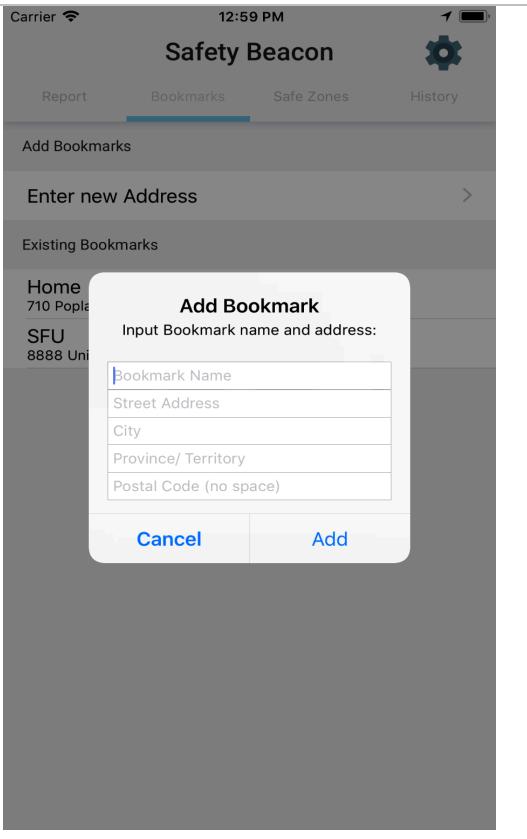


Figure 4.3 Map View of Safe Zone Location and Radius

## Scenario 5: Caretaker Adding a Bookmark to Patient's Account

The caretaker wishes to setup a bookmark for the patient, allowing for quick navigation to the location.

1. On the Caretaker Menu, select Bookmarks Tab
2. The caretaker then taps the “Enter New Address”
3. Upon loading the “Add Bookmark” popup screen, enter in the desired name and address for the bookmarked location
4. Tapping the bookmarked location on the screen brings up a map view of the location, allowing the Caretaker to see the bookmarked location on the map
5. Swiping left on the bookmarked location allows the Caretaker to edit or delete the bookmark

	
Figure 5.1 Bookmark Menu with Item Swiped	Figure 5.2 Adding New Bookmark

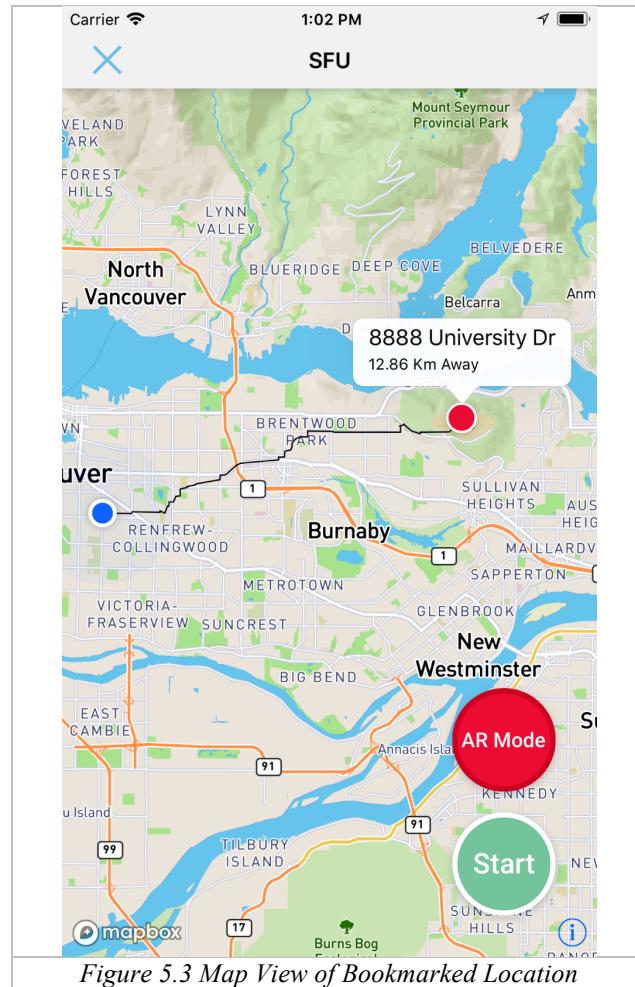


Figure 5.3 Map View of Bookmarked Location

## Scenario 6: Patient Navigating to a Bookmarked Location

The patient wishes to navigate to a bookmarked location.

1. On the Patient Menu, select Bookmarks Tab
2. The patient then taps the bookmarked location they wish to navigate to
3. Upon loading the map view page, the patient taps the green “Start” button to begin navigation to the bookmarked location
4. Selecting “AR Mode” allows the Patient to navigate to the bookmarked location via AR Navigation

<p>Carrier 1:02 PM Safety Beacon</p> <p>Map Bookmarks</p> <p>Select Destination:</p> <p>Home 710 Poplar St, Coquitlam, BC, V3J3K8</p> <p>SFU 8888 University Dr, Burnaby, BC, V5A1S6</p>	<p>Carrier 1:02 PM SFU</p> <p>8888 University Dr 12.86 Km Away</p> <p>AR Mode</p> <p>Start</p>
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Figure 6.1 Patient Bookmark View

Figure 6.2 Patient Bookmark Map View

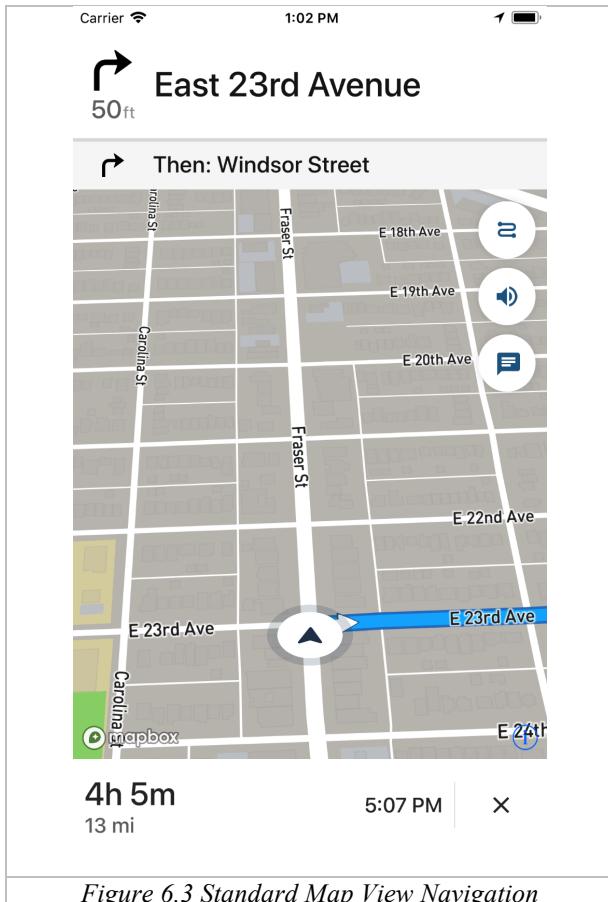


Figure 6.3 Standard Map View Navigation

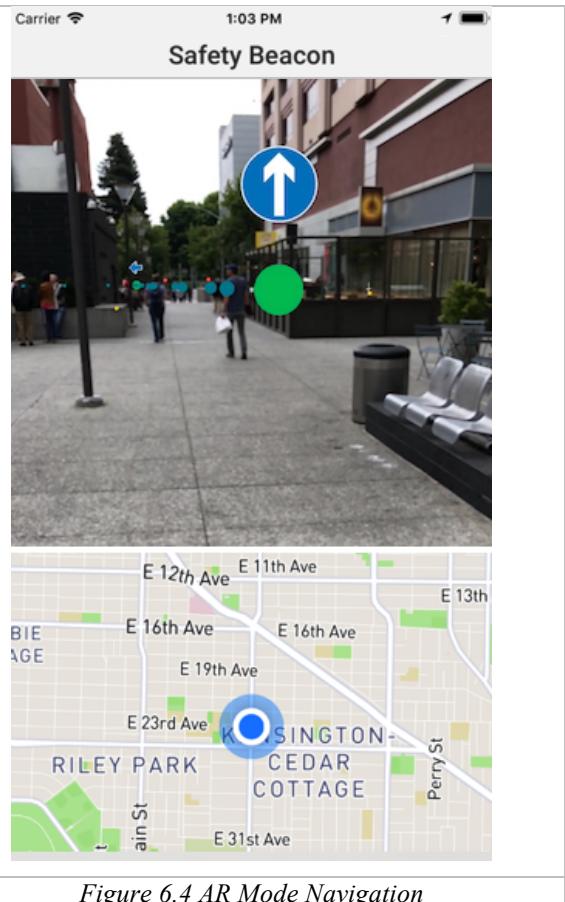


Figure 6.4 AR Mode Navigation

## Scenario 7: Viewing the Patient's Location History Report

The caretaker wants to view the patient's location history in chronological order

1. On the Caretaker Menu, select the Report Tab
2. The caretaker will be shown the patient's location history via the report view, with locations visited presented chronologically
3. The report view also details the amount of time spent at each location
4. The caretaker can tap on a previously viewed location to bring the up on the map view

