Lab 3 – Care Corner Prototype Test Plan

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1. Objectives (O: Carpenter)

The intent of this test plan and procedure is to ensure the approach to developing and testing the Care Corner prototype can lead to a successful demonstration of Care Corner's product operation. Care Corner will be an application that is installed and run on an Android smartphone. Care Corner will consist of readily available safety features that are designed to add an extra layer of protection for women in uncomfortable situations. The test procedures described in this document will be used to ensure the successful implementation of the Care Corner prototype.

2. References (O: Carpenter)

Team Copper. (2020, December 7). Lab 1 - Care Corner Prototype Description. Retrieved March 29, 2021 from https://www.cs.odu.edu/~411copper/images/lab1teamv2.pdf

Team Copper. (2021, March 19). Lab 2 - Care Corner Prototype Product Specification. Retrieved March 29, 2021 from https://www.cs.odu.edu/~411copper/L2S3V2Team.pdf

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4. Test Procedures (O: Grissom)

Section 3 of this document will describe the tests that will be used to verify the functionalities of the Care Corner Prototype. Each test case will include a name, reference id, a description, a purpose, the conditions required to set the test up, the activities, and the expected results.

4.1 User Authentication Test Category

4.1.1 Account Creation (O: Grissom)

<table>
<tr><td colspan="2">Test Category:
User Authentication</td><td colspan="3">Description:
This will test the ability to create an account on Care Corner.</td></tr>
<tr><td colspan="2">Test Case:
4.1.1</td><td>Case Name:
Account Creation</td><td>Version:
2.0</td><td>Written By:
Kyle Grissom</td></tr>
<tr><td colspan="2">Requirements Fulfilled:
3.1.1.1.1
3.1.1.1.2
3.1.1.1.3
3.1.1.1.4
3.1.1.1.5
3.1.1.1.6</td><td colspan="3">Purpose:
To ensure users can create an account on Care Corner, an account is required to access the majority of features.</td></tr>
<tr><td colspan="5">Setup Conditions:
1. Welcome screen is displayed</td></tr>
<tr><td colspan="2">Test Case Activity</td><td>Pass/Fail</td><td>Comments</td><td>Expected Result</td></tr>
<tr><td>1</td><td>New User is pressed from the Welcome screen.</td><td></td><td></td><td>The user is brought to the Account Creation screen which has the following fields: email, username, password, first name, last name, and three sets of emergency contact name and phone number. At the bottom there is a Registration button.</td></tr>
</table>

2	An invalid email is entered, such as “efu.odu@kgris001”. *Registration* is pressed.			User remains on the Account Creation screen. Invalid email message is displayed.
3	An invalid username is entered, such as a single character username or a username longer than twenty characters. *Registration* is pressed.			User remains on the Account Creation screen. Invalid username message is displayed.
4	An invalid password is entered, such as a seven character or 65+ character password, could use “pswd” as an invalid password.. *Registration* is pressed.			User remains on the Account Creation screen. Invalid password message is displayed.
5	Any required field is empty. *Registration* is pressed. (The required fields are first name, last name, username, password, and email.) The Emergency Contact names and phone number fields are not required.			User remains on the Account Creation screen. Missing field message is displayed.
6	An emergency contact name is entered and an invalid phone number is entered, such as 757777 . *Registration* is pressed.			User remains on the Account Creation screen. Invalid phone number message is displayed.
7	The user corrects fields such that all required fields(first name, last name, username, password, and email) are valid. Example correct fields could be as follows: First name: “John”, Last name: “Smith”, username: “jsmith”, password: “JsmithP@ss”, email: “jsmith@odu.edu”, emergency contact name: “Jack Doe”, emergency contact phone number: “7571234567”. *Registration* is pressed.			Account has been created message is displayed. The fields are saved in the database. User is brought to the Welcome screen.

4.1.2 Login (O: Grissom)

Test Category: User Authentication	**Description:** This will test the ability to login in with the correct username and password.		
Test Case: 4.1.2	**Case Name:** Login	**Version:** 2.0	**Written By:** Kyle Grissom
Requirements Fulfilled: 3.1.1.2.1 3.1.1.2.2 3.1.1.2.3 3.1.1.2.4	**Purpose:** The Care Corner application requires the user to login to their account to access most of the features.		
Setup Conditions: 1. Obtain credentials for a registered account, either by new user registration or an existing account. 2. Welcome screen is displayed.			

	Test Case Activity	**Pass/Fail**	**Comments**	**Expected Result**
1	*Login* is pressed from the Welcome screen.			The user is brought to the Login screen which has the following fields: username and password. At the bottom there is a *Login* button.
2	No username is entered, no password is entered. *Login* is pressed.			User remains on the Login screen. Incorrect credentials message is displayed.
3	Incorrect username is entered, incorrect password is entered. *Login* is pressed.			User remains on the Login screen. Incorrect credentials message is displayed.
4	Correct username is entered, incorrect password is entered. *Login* is pressed.			User remains on the Login screen. Incorrect credentials message is displayed.
5	Incorrect username is entered, correct password is entered. *Login* is pressed.			User remains on the Login screen. Incorrect credentials message is displayed.

6	Correct username is entered, correct password is entered. *Login* is pressed.			User is brought to the Main Menu screen.

4.2 Panic Button Test Category (O: Adegun)

Test Category: Panic Button		**Description:** This test will show case the Panic Button functionality	
Test Case: 4.2	**Case Name:** Panic Button	**Version:** 2.0	**Written By:** Olayinka Adegun
Requirements Fulfilled: 3.1.2	**Purpose:** To verify the functionality of the Panic Button and other events linked to the Panic Button		

Setup Conditions:
1. The Care Corner application must be installed on an Android Smartphone
2. The user must login into the application
3. The Panic Button must be triggered by clicking on it from Main Menu, Armed Safe Walk or the Fake Phone Call screen

	Test Case Activity	**Pass/Fail**	**Comments**	**Expected Result**
1	User activates the *Panic*			A 5 seconds countdown timer pops up on the screen with an option to deactivation
2	User deactivates *Panic*			Counter stops, Panic mode cancelled
3	User activates *Panic*			Timer starts countdown
4	Countdown expires			Activate audio and video recording (Test Case 4.9), activate GPS position recording (Test Case 4.10), Activate emergency contact notification

				sequence (Test Case 4.11)
5	Deativates *Panic* at any time			Recording stops, messaging stops, incident query sequence runs
6	User selects “no” in response to query			All recording discarded,
7	User selects “yes” in response to query			continue to test case 4.2.1

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4.2.1 Incident Creation Test (O: Prudner)

Test Category: Systems Test	**Description:** Test that an incident is able to be created after ending an audio recording activated by the Panic Button.		
Test Case: 4.2.1	**Case Name:** Incident Creation Test Case	**Version:** 2.0	**Written By:** Gustin Prudner
Requirements Fulfilled: 3.1.2.5	**Purpose:** To verify that an incident is able to be created.		

Setup Conditions:

1. Panic Button is activated.
2. Wait 5 seconds for the countdown timer to finish.
3. Active audio recording.
4. Active GPS functionality.
5. Active notification functionality.

	Test Case Activity	**Pass/Fail**	**Comments**	**Expected Result**
1	Stop the active audio recording.			Prompt to input whether the scenario should be recorded as an incident.
2	Input that the scenario should be recorded as an incident.			The incident is recorded in the database. The user is then prompted with a dialogue that has options to go to the journal, call emergency contacts, or return to the main menu.
3	Input that the scenario should not be recorded as an incident.			No result occurs, the user is able to choose an existing navigation option.

4.3 Armed Safe Walk Test Category (O: Adegun)

<table>
<tr><td colspan="2">Test Category: System Test</td><td colspan="3">Description: This test will show case the Armed Safe Walk functionality</td></tr>
<tr><td colspan="2">Test Case:
4.3</td><td>Case Name:
Armed Safe Walk</td><td>Version:
2.0</td><td>Written By:
Olayinka Adegun</td></tr>
<tr><td colspan="2">Requirements Fulfilled:
3.1.3.1
3.1.3.2
3.1.3.4
3.1.3.5
3.1.3.6
3.1.3.7</td><td colspan="3">Purpose: To verify the functionality of Armed Safe Walk and other events linked to the Armed Safe Walk</td></tr>
<tr><td colspan="5">Setup Conditions:
1. The Care Corner application must be installed on an Android Smartphone
2. The user must login into the application
3. The Armed Safe Walk must be triggered by clicking on it from the Main menu screen.</td></tr>
<tr><td colspan="2">Test Case Activity</td><td>Pass/Fail</td><td>Comments</td><td>Expected Result</td></tr>
<tr><td>1</td><td>User triggers the Armed Safe Walk Button from the Main Menu screen.</td><td></td><td></td><td>User is prompted for destination address</td></tr>
<tr><td>2</td><td>Upon entering the destination address</td><td></td><td></td><td>a. GPS functionality gets activated
b. GPS display estimated time of arrival to user
c. Audio recording is activated.
d. Notification functionality is also activated
e. User selected trusted contact gets notice of user location every three minutes
f. Panic Button is made visible on Armed Safe Walk mode</td></tr>
</table>

3	User activates *Panic*			Continue to test cse 4.2
4	User deactivates *Armed Safe Walk*		Since Panic is not activated, no further action necessary --safe trip implied	GPS functionality deactivates, all GPS generated text discarded, audio recording also discarded

4.4 Fake Phone Call Test Category (O: Webb M: Grissom)

Test Category: Unit Test	**Description:** This will test the ability to set up the Fake Phone Call's caller id, phone number, and voice recording and have those displayed and outputted to the user. Panic Button Mode can also be activated by holding the end call button for a few seconds and video/audio will be recorded when the Fake Phone Call starts which will also be tested.		
Test Case: 4.4	**Case Name:** Fake Phone Call	**Version: 1.0**	**Written By:** Ernest Webb
Requirements Fulfilled: 3.1.4.3 3.1.4.4 3.1.4.5 3.1.4.6 3.1.4.7	**Purpose:** The Care Corner application will simulate a Fake Phone Call that the user can use as an excuse to escape awkward or potentially dangerous situations. When the Fake Phone Call is started, it records audio/video that can be used as evidence and it also gives the user quick access to the Panic Button Mode functionality if the end call button is held down for a few seconds.		
Setup Conditions: 1. The Care Corner application must be installed on an Android Smartphone 2. The user must login into the application 3. The Fake Phone Call feature must be started by clicking on it from the Main Menu. 4. The Fake Phone Call's caller id, phone number, voice, and wait time must be configured on the Fake Phone Call Menu before starting a call.			
Test Case Activity	**Pass/Fail**	**Comments**	**Expected Result**

1	On the Fake Phone Call Menu Screen: 1. The caller ID is set to John Smith. 2. The phone number is set to 757-123-4567. 3. The voice recording is set to Male1. 5. The wait time until the call is started is set to "Now". 6. After all these settings are entered, the user presses the “Set” button.	Pass		A toast message should appear stating that the user settings are saved for when the Fake Phone Call starts.
2	The user presses the *Call* button on the Fake Phone Call Menu.			The Fake Phone Call Calling Screen should display immediately (wait time is set to "Now") with the Caller ID being John Smith from the number 757-123-4567 and the user will hear a generic ringtone.
3	The user presses the *Call* button on the Fake Phone Call Menu. On the Calling Screen, the User presses the *Reject Call* button.			The Fake Phone Call stops and returns to the Fake Phone Call Menu.
4	The user sets the wait time to “15 seconds”, presses “Set”, presses “Call”, waits 15 seconds.			The Fake Phone Calling Screen should display and the user should hear a generic ringtone.
5	The user presses the *Reject Call* button. The user sets the wait time to “1 minute”, presses “Set”, presses “Call”, waits one minute.			The Fake Phone Calling Screen should display and the user should hear a generic ringtone.
6	The user presses the *Reject Call* button. The user sets the wait time to “30 minutes”, presses “Set”, presses “Call”, waits thirty minutes.			The Fake Phone Calling Screen should display and the user should hear a generic ringtone.
7	The user presses the *Reject Call* button. The user sets the wait time to “1 hour”, presses “Set”, presses “Call”, waits one hour.			The Fake Phone Calling Screen should display and the user

				should hear a generic ringtone.
8	The user presses the *Reject Call* button. The user sets the wait time to “3 hours”, presses “Set”, presses “Call”, waits three hours.			The Fake Phone Calling Screen should display and the user should hear a generic ringtone.
9	The user presses the *Call* button on the Fake Phone Call Menu. On the Calling Screen, the User presses the *Accept Call* button.			The Fake Phone Call Dialing Screen is displayed with a chronometer counting the elapsed time of the call, the Caller ID and Phone number are displayed, the usual set of buttons for outputting voice to speaker, mute, etc., and the voice recording will start to play. The audio/video recording will also start.
10	On the Dialing Screen, the User presses the *End Call* button for a few seconds.			The Panic Button functionality will start.
11	On the Dialing Screen, the User presses the *End Call* button.		.	The user will be prompted if they want to save the audio/video recording or not.
12	On the Dialing Screen, the User presses the *End Call* button and at the prompt to save recording, they press the "Yes" button.			The audio/video will then be stored on the server via the Care Corner API.

13	On the Dialing Screen, the User presses the *End Call* button and at the prompt to save recording, they press the "No" button.			The User is then sent back to the Fake Phone Call Menu where they can set up a new Fake Phone Call.
14	On the Fake Phone Call Menu, the User presses the *Recordings* button.		.	The User is sent to the Recordings Screen which displays all audio recordings that are stored.

4.5 Journal Test Category (O: Carpenter)

Test Category: Journal	**Description:** This test will verify the functionality of the journal feature inside the Care Corner application.		
Test Case: 4.5	**Case Name:** Journal Test	**Version:** 1.0	**Written By:** Casey Carpenter
Requirements Fulfilled: 3.1.5.1 3.1.5.2 3.1.5.3 3.1.5.4 3.1.5.4.1 3.1.5.4.2 3.1.5.4.3 3.1.5.4.4 3.1.5.4.5 3.1.5.4.6 3.1.5.4.7 3.1.5.4.8	**Purpose:** To verify the functionality of the journal feature in the Care Corner application.		
Setup Conditions: 1. User must navigate to the *Journal* button from the Main Menu			

	Test Case Activity	**Pass/Fail**	**Comments**	**Expected Result**
1	User will create and enter a unique PIN to access the journal			The application will enter the Journal Homepage if PIN is

				correct, will not leave PIN screen if wrong
2	User will click on *Reset PIN* button			The application will reset and make the user log into their Care Corner account again. Next, the application will allow the user to change their PIN and save the new PIN
3	User will click on a *New Entry* button			The application will move to the Journal Editor screen
4	User will save their new entry			The application will save the entry to the user's device and load the entry to the Journal Homepage screen
5	User will click on a previously created entry			The application will move to the Journal Reader screen
6	User will click on the *Edit* button inside the Journal Reader screen			The application will move to the Journal Editor screen and carry the text from the previous Journal Reader screen
7	User will delete a journal entry			The application will remove the entry from the user's device and update the Journal Homepage screen.

4.6 Mombot Test Category (O: Prudner)

Test Category: System		**Description:** Test the ability of Mombot to accept speech and suggest advice that is contextual to the input. This test exercises Mombot's lexical analyzer ability to match pertinent advice and potential checklists.		
Test Case: 4.6		**Case Name:** Mombot Test Case	**Version:** 2.0	**Written By:** Gustin Prudner
Requirements Fulfilled: 3.1.6.1 3.1.6.2.1 3.1.6.4		**Purpose:** To verify that Mombot returns contextualized advice and checklists for related keywords.		
Setup Conditions: 1. Keywords, contextual advice, and checklists are pre-populated in the database. 2. Launch the Care Corner Mobile App.				
Test Case Activity		**Pass/Fail**	**Comments**	**Expected Result**
1	Access the Mombot option from the Main Page.			The Mombot screen loads displaying a picture of a microphone with the button text, "*Tap on mic to speak*"
2	Press the "*Tap on mic to speak*" button.			The application starts to receive speech, stating that it is now listening.
3	Begin speaking the phrase, "going on a walk at night"			The microphone pulses while the speech is being recorded.
4	Stop speaking for 5 seconds to indicate speech input is done.			The microphone stops pulsating. The application states that it is "now processing" the speech.

5	Wait for results to be displayed.			The application responds with specific advice suggesting ways to protect oneself while walking at night: 1. Night is the most dangerous time to walk alone. 2. Ensure you have a charged phone with you. 3. Ensure a close contact knows when you leave and are planning to arrive. 4. Suggest use of the Care Corner Walk feature. A checklist of things to prepare for is returned: 1. Charged phone 2. Cell-phone service 3. Communicate ETA to a contact 4. Use Arm Walk
5	Press the "*Tap on mic to speak*" button.			The application starts to receive speech, stating that it is now listening.

6	Begin speaking gibberish, "*Neque porro quisquam est qui dolorem ipsum quia dolor sit amet, consectetur, adipisci velit"*			The microphone pulses while the speech is being recorded.
7	Stop speaking for 5 seconds to indicate speech input is done.			The microphone stops pulsating. The application states that it is "now processing" the speech.
8	Wait for results to be displayed.			The application states that results could not be determined, please rephrase.

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4.7 Reporting Assistance Test Category (O: Carpenter, M: Prudner)

Test Category: Reporting Assistance		**Description:** This test will verify the functionality of the Reporting Assistance feature inside the Care Corner application.		
Test Case: 4.7		**Case Name:** Reporting Assistance	**Version:** 1.0	**Written By:** Casey Carpenter
Requirements Fulfilled: 3.1.7.2		**Purpose:** To verify the functionality of the Reporting Assistance feature inside the Care Corner application.		
Setup Conditions: 1. User must go to Reporting Assistance screen from the Main Menu				
Test Case Activity		**Pass/Fail**	**Comments**	**Expected Result**
1	User will click on *Reporting Assistance* button			The application will display all previously saved incidents in a list
2	User will click on an incident			The application will display the details of the incident: 1. The time the Panic Button was activated. 2. The GPS data from the duration of the Panic Button. 3. The audio recording from the Panic Button activation.

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4.8 Resources Test Category (O: Carpenter)

Test Category: Resources		**Description:** This test will verify the functionality of the Resources feature inside the Care Corner application.		
Test Case: 4.8		**Case Name:** Resources	**Version:** 1.0	**Written By:** Casey Carpenter
Requirements Fulfilled: 3.1.8.3 3.1.8.4 3.1.8.5 3.1.8.6 3.1.8.7		**Purpose:** To verify the functionality of the Resources feature inside the Care Corner application.		
Setup Conditions: 1. User must navigate to the Resources screen from the Welcome Screen or the Main Menu				
Test Case Activity		**Pass/Fail**	**Comments**	**Expected Result**
1	User will click on *Blog* button			Application will pull blogs from Care Corner API and post to the screen
2	User will click on *National Hotline* button			Application will pull national hotline information from Care Corner API and post to the screen
3	User will click on *Government Sources* button			Application will pull government sources from Care Corner API and post to the screen
4	User will click on *Shelters* button			Application will ask permission for the user's location and create a geofence with a 90 miles radius, and provide shelters to the screen within the radius.

4.9 Audio/Video Recording Test Category (O: Turner)

Test Category: Systems Test	**Description:** This will test the ability to record Audio, store it locally, and pass it to Care_corner API for cloud storage		
Test Case: 4.9	**Case Name:** Audio	**Version:** 1.0	**Written By:** Thorrell Turner
Requirements Fulfilled: 3.1.2.2 3.1.2.5.5 3.1.3.7 3.1.4.5 3.1.9.1 3.1.9.4 3.1.9.5 3.1.9.6	**Purpose:** The Care Corner application will record audio in case the user needs this data as evidence. This data is stored on the server in case future access is needed and something happens to the user's device		
Setup Conditions: 1. The Panic Button is activated, or 2. The Armed Safe Walk mode is activated, or 3. A Fake Phone Call is started.			

	Test Case Activity	**Pass/Fail**	**Comments**	**Expected Result**
1	User activates the *Panic* Button, Armed Safe Walk Mode, or a Fake Phone Call is started.			The Android Media Recorder is activated and audio begins recording.
2	User Deactivates the *Panic* Button, Armed Safe Walk Mode, or Fake Phone Call.			The audio file that was recorded is saved locally on the user's device.
3	When prompted upon deactivating the *Panic* Button, the user indicates that there WAS an incident.			The audio file is stored on the server via the Care Corner API.
4	When prompted upon deactivating the *Panic* Button, the user indicates that there WAS NOT an incident.			The audio file is deleted from the user's device.

5	When prompted upon deactivating the Armed Safe Walk Mode or a Fake Phone Call, the user indicates that they WOULD like to save the recording audio file.			The audio file is stored on the server via the Care Corner API.
6	When prompted upon deactivating the Armed Safe Walk Mode or a Fake Phone Call, the user indicates that they WOULD NOT like to save the recording audio file.			The audio file is deleted from the user's device.

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4.10 GPS Test Category (O: Turner)

Test Category: Systems Test		**Description:** This will test the ability to record Audio, store it locally, and pass it to Care Corner API for remote storage.		
Test Case: 4.10		**Case Name:** GPS Test	**Version:** 1.0	**Written By:** Thorrell Turner
Requirements Fulfilled: 3.1.2.3 3.1.2.5.4 3.1.3.5 3.1.10.4 3.1.10.5 3.1.10.6 3.1.10.7		**Purpose:** The Care Corner application will track and share a users GPS location with their in app contacts. This data is stored locally as well as on the server in case future access is needed and something happens to the user's device		
Setup Conditions: 1. The *Panic* Button is activated, or 2. The Armed Safe Walk mode is activated				
Test Case Activity		**Pass/Fail**	**Comments**	**Expected Result**
1	User activates the *Panic* Button			a. User's GPS is activated. b. Current coordinates are stored for use with Incident tracking and notification sending. c. A new file is created where the user's GPS location is tracked with one second intervals.
2	User activates the Armed Safe Walk Mode.			a. User's GPS is activated. b. Current coordinates are stored for use with Notification sending. c. A new file is created where the user's GPS location is tracked with one second intervals.
3	User Deactivates the *Panic* Button.			a. User's GPS is deactivated.

				b. the new file containing the user's GPS location is saved and closed.
4	When prompted upon deactivating the *Panic* Button, the user indicates that there WAS an Incident.			The file containing the user's GPS locations is pushed to the cloud server via the Care Corner API.
5	When prompted upon deactivating the *Panic* Button, the user indicates that there WAS NOT an Incident.			The local file containing the user's GPS locations is deleted from the local device.
6	User Deactivates the Armed Safe Walk Mode.			a. User's GPS is deactivated. b. the new file containing the user's GPS location is deleted from the device.
7	User activates *Panic* Button while in Armed Safe Walk Mode.			a. Current coordinates are stored for use with Incident tracking and notification sending. b. The GPS file will be passed to the Panic Button mode so that it can be properly tracked.

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4.11 Notification Test Category (O: Webb)

<table>
<tr><td colspan="2">Test Category: Unit Test</td><td colspan="3">Description: This test will verify the functionality of the notifications system inside the Care Corner application.</td></tr>
<tr><td colspan="2">Test Case:
4.11</td><td>Case Name:
Notifications</td><td>Version: 1.0</td><td>Written By:
Ernest Webb</td></tr>
<tr><td colspan="2">Requirements Fulfilled:
3.1.2.4
3.1.3.6
3.1.11</td><td colspan="3">Purpose:
When the Panic Button or the Armed Safe Walk features are activated, all user preset contacts are to be notified via SMS with specific details such as the user’s name and location.</td></tr>
<tr><td colspan="5">Setup Conditions:
1. The user must set up at least one contact who will be contacted.
2. The user must activate either the Panic Button or the Armed Safe Walk.</td></tr>
<tr><td colspan="2">Test Case Activity</td><td>Pass/Fail</td><td>Comments</td><td>Expected Result</td></tr>
<tr><td>1</td><td>The user presses the Panic Button.</td><td></td><td></td><td>All preset contacts will receive an SMS message containing the user’s name, location, and the current timestamp of when the Panic Button was pressed.</td></tr>
<tr><td>2</td><td>The user presses the “Start Armed Safe Walk” Button.</td><td></td><td></td><td>All preset contacts will receive an SMS message containing the user’s name, location, and the current timestamp of when the Safe Walk was started, destination information, and an estimated time of arrival to their location.</td></tr>
</table>

3	After either the *Panic* Button or *Armed Safe Walk* is activated.			All preset contacts should receive an updated SMS every 3 minutes with an updated location for the user.
4	User reaches their destination.			All preset contacts should receive a final notification stating that the user reached their destination if they used *Safe Walk* or *Panic* Button is Deactivated message if they used the *Panic* Button..

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4.12 Main Menu Test Category (O: Carpenter)

Test Category: Main Menu		**Description:** This test will verify the functionality of the *main menu* of the Care Corner application		
Test Case: 4.12		**Case Name:** *Main Menu* Test	**Version:** 1	**Written By:** Casey Carpenter
Requirements Fulfilled: 3.1.3 3.1.4 3.1.5 3.1.6 3.1.7 3.1.8		**Purpose:** To verify the functionality of the *main menu* of the Care Corner application.		
Setup Conditions: 1. User must log onto their Care Corner account using their proper account credentials				
Test Case Activity		**Pass/Fail**	**Comments**	**Expected Result**
1	User will click on the *Fake Phone Call* button			The application will move to the Fake Phone Call screen
2	User will click on the *Mombot* button			The application will move to the Mombot screen
3	User will click on the *Armed Safe Walk Mode* button			The application will move to the Armed Safe Walk screen
4	User will click on the *Journal* button			The application will move to the Journal Homepage screen

5	User will click on the *Resources* button			The application will move to the Resources screen
6	User will click on the *Reporting Assistance* button			The application will move to the Reporting Assistance screen

4.13 Welcome Screen Test Category (O: Grissom & Turner)

Test Category: Welcome Screen		**Description:** This test will verify the functionality of the Welcome Screen of the Care Corner application.		
Test Case: 4.13		**Case Name:** Welcome Screen Test	**Version:** 1.0	**Written By:** Kyle Grissom & Thorrell Turner
Requirements Fulfilled: 3.1.1.1 3.1.1.2		**Purpose:** To verify the functionality of the Welcome Screen of the Care Corner application.		
Setup Conditions: 1. The user opens the Care Corner application.				
Test Case Activity		**Pass/Fail**	**Comments**	**Expected Result**
1	User will click on the *Login* button.			The application will move to the Login screen.
2	The user uses the back arrow to return to the Welcome screen. User will click on the *Resources* button.			The application will move to the Resources screen.

3	The user used the back arrow to return to the Welcome screen. User will click on the *New User* button.			The application will move to the New User screen.

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5. Traceability to Requirements

Traceability Matrix	4.1.1	4.1.2	4.2	4.2.1	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.10	4.11	4.12	4.13
3.1.1.1															✓
3.1.1.1.1	✓														
3.1.1.1.2	✓														
3.1.1.1.3	✓														
3.1.1.1.4	✓														
3.1.1.2		✓													✓
3.1.2			✓												
3.1.2.2											✓				
3.1.2.3												✓			
3.1.2.4													✓		
3.1.2.5				✓											
3.1.2.5.4												✓			
3.1.2.5.5											✓				
3.1.3														✓	
3.1.3.1					✓										
3.1.3.2					✓										
3.1.3.4					✓										
3.1.3.5					✓							✓			
3.1.3.6					✓										
3.1.3.7					✓						✓				
3.1.4														✓	
3.1.4.3						✓									
3.1.4.4						✓									
3.1.4.5						✓					✓				
3.1.4.6						✓									
3.1.4.7						✓									
3.1.5														✓	
3.1.5.1							✓								
3.1.5.2							✓								
3.1.5.3							✓								
3.1.5.5							✓								
3.1.5.6							✓								
3.1.6								✓						✓	
3.1.6.1								✓							
3.1.6.2.1								✓							
3.1.6.4								✓							
3.1.7														✓	
3.1.7.2									✓						
3.1.7.2									✓						

Traceability Matrix		4.1.1	4.1.2	4.2	4.2.1	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.10	4.11	4.12	4.13
	3.1.1.1															✓
	3.1.8														✓	
	3.1.8.3										✓					
	3.1.8.4										✓					
	3.1.8.5										✓					
	3.1.8.6										✓					
	3.1.8.7										✓					
	3.1.9.1											✓				
	3.1.9.4											✓				
	3.1.9.5											✓				
	3.1.9.6											✓				
	3.1.10.4												✓			
	3.1.10.5												✓			
	3.1.10.6												✓			
	3.1.10.7												✓			
	3.1.11													✓		