Test case plan

ID#	Functionality	Scenario	Steps to be Executed	Actual Result	Pass/Fail Android Tablet	Comments
1	Startup	The user wants to access the app.	After tapping on the app icon, the Welcome screen loads within 2 seconds.	App opens successfully and displays Welcome Screen.	Pass	
2	Onboarding	User reads all of the onboarding information about GrandCare and the CMAA.	After tapping the next button, the next page slides into focus.	App transitions to the next screen in the onboarding process successfully.	Pass	
3	Onboarding	User has already used the application before and wishes to skip the onboarding process.	After tapping the skip button, user is immediately brought to the last onboarding slide.	App transitions to the last onboarding screen successfully.	Pass	
4	Transition to Login	The user finishes reading the onboarding information.	When the final next button is clicked, the app performs a fade transition to the login options screen.	App uses a fade transition to the login options screen.	Pass	
5	Admin Login Transition	The user is an admin and needs to login.	After tapping the admin login button, the user is redirected to the admin login page.	The user is redirected to the admin login page successfully.	Pass	
7	Admin Login Data Entry	The user attempts to enter their information to login as an admin.	The user is able to fill out their username and password ito attempt to login as an admin.	The user is able to edit the text boxes and fill out a username and password.	Pass	
8	Admin Login Authentication Success	The user is an admin and needs to login.	The user enters the right credentials and transitions to the admin login page.	When the submit button is clicked and the correct information is entered, the user is redirected to the admin home screen.	Pass	
9	Admin Login Authentication Fail	The user is not an admin and attempts to login as an admin.	The user enters the wrong credentials and an error message pops up.	When the submit button is clicked and the wrong information is entered, an error message pops up stating this and the user is not redirected to the admin home screen.	Pass	
10	Grandparent Login Transition	The user is a grandparent and needs to login.	After tapping the grandparent login button, the user is redirected to the grandparent login screen.	The user is redirected to the grandparent login screen.	Pass	
11	Grandparent Login Data Entry	The user attempts to enter their credentials as a grandparent.	The user is able to fill out their username and password ito attempt to login as a grandparent.	The user is able to edit the text boxes and fill out a username and password.	Pass	
12	Grandparent Login Authentication Success	A user who has signed up as a grandparent in the past attempts to login to their account.	The user presses the login button and transitions to the home screen.	The user is redirected to the home screen.	Pass	
13	Grandparent Login Authentication Fail	A user who has not signed up in the past as a grandparent attempts to login without having signed up for an account first.	The user receives an error message and is not redirected to the home screen.	The user sees an error message and is not redirected to the home screen.	Pass	
14	Grandparent Sign Up Transition	The user is a new grandparent that wants to use the application for the first time.	When the "New Grandparent" text is clicked on, the user is redirected to the New Grandparent sign up screen.	When the "New Grandparent" text is clicked the user is redirected to the new grandparent screen.	Pass	
15	Grandparent Sign Up Data Entry	The user attempts to enter their email/username and password to create a new account.	The username, password, and re-entered password fields are filled in.	The username, password, and re-entered password fields are all able to be filled in.	Pass	
16	Grandparent Sign up Data Saved	When the user clicks the submit button, the username and password data is saved in the realtime firebase database.	The submit button is clicked after all necessary fields for creating a new account are filled out.	When the submit button is clicked, the new username and password were automatically sent to the firebase realtime database.	Pass	
17	Services Description Accessible	A user wishes to learn more about each specific service the CMAA offers.	When one of the services in the slides are clicked, a description of that specific pops up.	When a service is clicked, information about that service pops up.	Pass	
18	End of the Services Indication	A user wants to count how many services the CMAA offers.	The services are swiped through and an indication of which service the user is currently on is displayed.	There is no way for the user to check with slide/service they are on.	Fail	
19	Accessible Colors and Contrast	A user has vision problems.	The application colors are entered into an accessibility contrast checker.	All accessible color contrast criteria was met.	Pass	
20	Further Consultation after Appointment Transition	A user has had a meeting with a counselor and is ready to request a service.	The user taps the further consultation button and is redirected to the consultation page.	There is no further consultation option in the application at the moment.	Fail	This functionality may be implemented in the next development cycle.
21	Further Consultation Data Entry	A user enters the required documentation to access a specific service.	The user is able to upload documentation from their camera roll/files.	There is no further ability to upload documentation currently.	Fail	This functionality may be implemented in the next development cycle.

					Pass/Fail	
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22	Further Consultation Supporting Documents Saved	A user enters required documentation to access a specific service, and has submitted this paperwork.	All supporting documents the user enters in the further consultation form is saved in some form of storage (likely in Firebase) when the submit button is clicked.	Since, there is no ability to upload documentation, there is currently no way of that documentation being stored in a database.	Fail	This functionality may be implemented in the next development cycle.
23	CMAA Clear Branding	The CMAA logo and branding is clearly visible in multiple portions of the application.	The application logo, launch screen, and onboarding screens are tapped on and the logo is observed.	The GrandCare logo is visible, but must be replaced with CMAA branding. The name of the application must also be changed.	Fail	
24	Direct Connection to the Unite Us API or Admin Database	A grandparent's data and requests are sent directly to the Unite Us database.	When the supporting documents are entered and the requests form are filled out, this information is directly fed into the Unite Us platform.	No connection to the Unite Us database is currently established. CMAA is in the process of contacting a technical person to talk further about a potential API key that can be used in this application.	Fail	
25	Font Size Changeable	The user is unable to read the text in the application because it is too small.	The user can click on a settings button that allows the user to choose the font size of the application.	There is no settings button to alter the font size of the text in the application.	Fail	
26	Transition to Request Form	The user wants to fill out the Request Form on the app.	The user is to click on the button entitled "Service Inquiry Form."	When "Service Inquiry Form" is selected, the user is able to transition to the page including the form.	Pass	
27	Calendar Connection to Google Calendar	The user wants to view the MCAA's public calendar.	The user is to navigate to the first Calendar & Appointments page, and see whether or not they can view the MCAA's public calendar.	When on the first Calendar & Appointments page, the user can successfully view the MCAA's public calendar.	Pass	
28	Meeting Schedule Connection to Google Appointments	The user wants to access the page containing the available time slots for an appointment with a member of the CMAA support staff.	The user is to navigate to the second Calendar & Appointments page, and see whether or not they can view the available time slots for appointments.	When on the second Calendar & Appointments page, the user can successfully view the available time slots for appointments.	Pass	
29	Back Button Functionality for Home Screen	The user wishes to return to the login page after having been in the home page.	The user is to tap the left arrow located at the top left part of the page.	When selecting the back arrow, the user can successfully navigate back to the login page.	Pass	This functionality would not make sense to have for the actual app. In the next cycle, this should be replaced with a sign out functionality, if at all included.
30	Back Button Functionality for Request Form Screen	The user wishes to return to the home page after having been in page with the request form.	The user is to tap the left arrow located at the top left part of the page.	When selecting the back arrow, the user can successfully navigate back to the home page.	Pass	
31	Back Button Functionality for Calendar Screen	The user wishes to return to the home page after having been in the screen with the MCAA's public calendar.	The user is to tap the left arrow located at the top left part of the page.	When selecting the back arrow, the user can successfully navigate back to the home page.	Pass	
32	Back Button Functionality for Appointment Screen	The user wishes to return to the page with the MCAA's public calendar after having been in the screen where they can schedule an appointment..	The user is to tap the left arrow located at the top left part of the page.	When selecting the back arrow, the user can successfully navigate back to the page containing the MCAA's public calendar.	Pass	
33	Warning for Invalid Credentials During Registration	When signing up for a new account, the user provides empty, incomplete, or otherwise credentials.	The user is to provide invalid credentials when prompted to create a new account, and then hit the submit button.	When improper credentials are provided and the form is submitted, the application does not warn the user about their improper credentials, nor does it prevent them from making the account.	Fail	
34	Account ID Storage in Firebase Authentication Database	A need arises for the ID of a grandparent's account to be retrieved.	The Firebase Authentication database is to be accessed in Firebase, and the account of the given person is identified.	The Firebase Authentication database is to be accessed in Firebase, and the account of the given person is identified.	Pass	
35	Form Submission of Only Required Material	The grandparent has finished the form, having completed all required fields using the valid formatting, and is ready to submit.	The grandparent is to hit the submit button at the bottom of the form.	When the user hits the submit button, a message stating "Processing Data" appears, indicating that the form data has been successfully transferred.	Pass	
36	Form Submission Including Optional Material	The grandparent has finished the form, having completed all required fields using the valid formatting in conjunction with having completed all optional fields, and is ready to submit.	The grandparent is to hit the submit button at the bottom of the form.	When the user hits the submit button, a message stating "Processing Data" appears, indicating that the form data has been successfully transferred, including the data in the optional fields.	Pass	
37	Automatic Transition Away from Form Following Submission	The grandparent has clicked the submit button, and wishes to navigate away automatically after all data has been successfully submitted.	The grandparent is to hit the submit button at the bottom of the form, and then wait for an indication that the form data was successfully transferred, and they are automatically redirected to the main page following the completion of the data transfer.	The "Processing Data" message briefly appears. However, the user is provided no indication that the data has been successfully transferred, nor are they automatically redirected away from the form following submission.	Fail	
38	Manual Scroll Through Services	The grandparent wants to stop the automatic sidescrolling through the different services and instead view them at their own pace.	The automatic scrolling through the services is to be interrupted by the user tapping or swiping in the area with the moving elements.	When the user swipes through or otherwise taps the area with the scrolling elements, the automatic scrolling is successfully suspended.	Pass	
39	Manual Transition Between Services (right)	The grandparent wants to manually move from one screen to the next by moving to the right.	The user is to swipe towards the left in the area containing the scrolling menu of services.	When the user swipes towards the left, the service to the right of the previous one is successfully revealed.	Pass	
40	Manual Transition Between Services (left)	The grandparent wants to manually move from one screen to the next by moving to the left.	The user is to swipe towards the right in the area containing the scrolling menu of services.	When the user swipes towards the right, the service to the left of the previous one is successfully revealed.	Pass	
41	Storing First Name in Request Form	The grandparent needs to enter their first name where indicated on the form.	Where indicated on the request form, the user enters their first name.	The first name entered by the user resides in the designated field, and is included in the form submission.	Pass	
42	Warning About Empty Field When Provided no First Name	The grandparent neglects or forgets to enter in their first name.	The form is to be submitted without having entered a first name.	When attempting to submit the form, the user is prevented from doing so. In the field where the first name is requested, the user is instructed to enter their first name.	Pass	
43	Storing Last Name in Request Form	The grandparent needs to enter their last name where indicated on the form.	Where indicated on the request form, the user enters their last name.	The last name entered by the user resides in the designated field, and is included in the form submission.	Pass	
44	Warning About Empty Field When Provided no Last Name	The grandparent neglects or forgets to enter in their last name.	The form is to be submitted without having entered a last name.	When attempting to submit the form, the user is prevented from doing so. In the field where the last name is requested, the user is instructed to enter their last name.	Pass	
45	Storing Town of Residence on the Request Form	The grandparent needs to select the town they are from where indicated on the form.	Where indicated on the request form, the user selects the town they are from.	The town of residence that the user selects resides in the designated field, and is included in the form submission.	Pass	

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46	Warning About Empty Field When Provided no Town of Residence	The grandparent neglects or forgets to select their town of residence.	The form is to be submitted without having selected a town of residence.	When attempting to submit the form, the user is prevented from doing so. In the field where the town of residence is requested, the user is instructed to enter their town of residence.	Pass	
47	Storing Phone Number in Request Form	The grandparent needs to provide their phone number where indicated on the form.	Where indicated on the request form, the user enters their phone number.	The phone number that the user enters resides in the designated field, and is included in the form submission.	Pass	Note: this occurs provided that the phone number entered is valid.
48	Warning About Empty Field When Provided no Phone Number	The grandparent neglects or forgets to enter in their phone number.	The form is to be submitted without having entered a phone number.	When attempting to submit the form, the user is prevented from doing so. In the field where the phone number is requested, the user is instructed to enter a phone number.	Pass	
49	Warning About Invalid Number When Provided an Invalid Phone Number	The grandparent enters an incomplete or otherwise invalid phone number in the request form.	The form is to be submitted with an invalid phone number.	When attempting to submit the form, the user is prevented from doing so. In the field where the phone number is requested, the user is instructed to enter a valid phone number.	Pass	
50	Storing Email Address in Request Form	The grandparent needs to provide their email address where indicated on the form.	Where indicated on the request form, the user enters their email address.	The email address that the user enters resides in the designated field, and is included in the form submission.	Pass	Note: this occurs provided that the email address entered is valid.
51	Warning About Empty Field When Provided no Email Address	The grandparent neglects or forgets to enter in their email address.	The form is to be submitted without having entered an email address	When attempting to submit the form, the user is prevented from doing so. In the field where an email address is requested, the user is instructed to enter an email address.	Pass	
52	Warning About Invalid Address When Provided an Invalid Email Address	The grandparent enters an incomplete or otherwise invalid email address in the request form.	The form is to be submitted with an invalid email address.	When attempting to submit the form, the user is prevented from doing so. In the field where the email address is requested, the user is instructed to enter a valid email address.	Pass	
53	Storing Date of Birth in Request Form	The grandparent needs to provide their date of birth where indicated on the form.	Where indicated on the request form, the user enters their date of birth.	The date of birth that the user enters resides in the designated field, and is included in the form submission.	Pass	
54	Warning About Empty Field When Provided no Date of Birth	The grandparent neglects or forgets to enter in their date of birth.	The form is to be submitted without having entered a date of birth.	When attempting to submit the form, the user is prevented from doing so. In the field where the date of birth is requested, the user is instructed to enter their date of birth.	Pass	
55	Storing Address Type in Request Form	The grandparent needs to provide their address type where indicated on the form.	Where indicated on the request form, the user enters their address type.	The address type that the user enters resides in the designated field, and is included in the form submission.	Pass	
56	Warning About Empty Field When Provided no Address Type	The grandparent neglects or forgets to enter in their address type.	The form is to be submitted without having entered an address type.	When attempting to submit the form, the user is prevented from doing so. In the field where the address type is requested, the user is instructed to enter their address type.	Pass	
57	Storing Address Line 1 in Request Form	The grandparent needs to provide their address line 1 where indicated on the form.	Where indicated on the request form, the user enters their address line 1.	The address line 1 that the user enters resides in the designated field, and is included in the form submission.	Pass	
58	Warning About Empty Field When Provided no Address Line 1	The grandparent neglects or forgets to enter address line 1.	The form is to be submitted without having entered an address line 1.	When attempting to submit the form, the user is prevented from doing so. In the field where the address line 1 is requested, the user is instructed to enter their first address line.	Pass	
59	Warning About Invalid Address Line When Provided an Invalid Address Line	The grandparent enters an incomplete or otherwise invalid address line in the request form.	The form is to be submitted with an invalid address line.	The form submits without warning the user of an invalid address line.	Fail	In a future development cycle, one way to address this would be splitting this question down to include , street number and name, town, state, and Zip code. That way, validation could be achieved.

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ID#	**Functionality**	**Scenario**	**Steps to be Executed**	**Actual Result**	**Pass/Fail Android Tablet**	**Comments**
60	Storing Requested Service in Request Form	The grandparent needs to select the service they are interested in receiving where indicated on the form.	Where indicated on the request form, the user enters the service they are interested in receiving.	The service that the user states their interest in receiving resides in the designated field, and is included in the form submission.	Pass	
61	Warning About Empty Field When Provided no Requested Service	The grandparent neglects or forgets to enter the service they are interested in receiving.	The form is to be submitted without having provided information on the desired service.	When attempting to submit the form, the user is prevented from doing so. In the field where the desired service is requested, the user is instructed to enter the service they are interested in receiving.	Pass	
62	Storing Client's Explanation for Service Need in Request Form	The grandparent needs to describe why they need the service they are requesting where indicated on the form.	The user is to describe their reasons for requesting the service they did where indicated in the form.	The explanation that the user enters resides in the designated field, and is included in the form submission.	Pass	
63	Warning About Empty Field When Provided no Explanation for Service Need	The grandparent neglects or forgets to provide an explanation regarding the services that they requested.	The form is to be submitted without having provided an explanation about the service requested.	When attempting to submit the form, the user is prevented from doing so. In the field where an explanation is requested, the user is instructed to enter an explanation about the service they requested.	Pass	
64	Storing Electronic Signature in Request Form	The grandparent needs to sign their signature where indicated on the form.	The user is to sign where indicated in the form.	The signature that the user provides resides in the designated field, and is included in the form submission.	Pass	
65	Warning About Empty Field When Provided no Signature	The grandparent neglects or forgets to sign their electronic signature.	The form is to be submitted without the user having signed their signature.	When attempting to submit the form, the user is prevented from doing so. In the field where the digital signature is requested, the user is instructed to enter their digital signature.	Pass	
66	Storing Address Line 2 in Request Form	The grandparent wishes to provide their address line 2 where indicated on the form.	The user is to provide their address line 2 where indicated in the form.	The address line 2 provided by the user resides in the designated field, and is included in the form submission.	Pass	
67	Storing Gender in Request Form	The grandparent wishes to provide their gender where indicated on the form.	The user is to provide their gender where indicated in the form.	The gender provided by the user resides in the designated field, and is included in the form submission.	Pass	
68	Storing Marital Status in Request Form	The grandparent wishes to provide their marital status where indicated on the form.	The user is to provide their marital status where indicated in the form.	The marital status provided by the user resides in the designated field, and is included in the form submission.	Pass	
69	Storing Race in Request Form	The grandparent wishes to provide their race where indicated on the form.	The user is to provide their race where indicated in the form.	The race provided by the user resides in the designated field, and is included in the form submission.	Pass	
70	Storing Ethnicity in Request Form	The grandparent wishes to provide their ethnicity where indicated on the form.	The user is to provide their ethnicity where indicated in the form.	The ethnicity provided by the user resides in the designated field, and is included in the form submission.	Pass	
71	Storing Gross Monthly Income in Request Form	The grandparent wishes to provide their gross monthly income where indicated on the form.	The user is to provide their gross monthly income where indicated in the form.	The gross monthly income provided by the user resides in the designated field, and is included in the form submission.	Pass	
72	Storing Gross Monthly Expenses in Request Form	The grandparent wishes to provide their gross monthly expenses where indicated on the form.	The user is to provide their gross monthly expenses where indicated in the form.	The gross monthly expenses provided by the user resides in the designated field, and is included in the form submission.	Pass	
73	Storing Program Interests in the Request Form (single option)	The grandparent wishes to choose a singular program they are interested in where indicated on the form.	The user is to select the singular program they are interested in where indicated in the form.	The singular desired program provided by the user resides in the designated field, and is included in the form submission.	Pass	
74	Storing Program Interests in the Request Form (multiple options)	The grandparent wishes to choose a set of multiple programs they are interested in where indicated on the form.	The user is to select the set of programs they are interested in where indicated in the form.	The set of desired programs provided by the user resides in the designated field, and is included in the form submission.	Pass	
75	No Penalization for Empty Fields in Optional Fields	The grandparent has completed all required fields using valid formatting, but they have chosen to provide no information in any optional field. They are now ready to submit the form.	The grandparent is to submit the form in the state previously described.	There is no penalty for having left the optional fields empty. The form is submitted properly, with data being processed.	Pass	