

# Ohana! Verification Plan

## Web-App Components

### Sign-up Behavior

Changes from the architecture

- We got rid of manual email & password sign up
- We're using Google account sign in instead.

Test Name	Method	Test Details	Expected Result
testSignup	Manual	Click sign up button on signin page	Navigates to Google sign in page asking you to link your google account. Only does this the first time.
testSignout	Manual	Click signout button.	<p>Page should be routed to the signin view.</p> <p>If there are no inputs in tasks page or users page, page should return additional pop-up asking if user is sure that he/she would like to exit.</p> <p>If changes are made to input without updating, page should return additional pop-up asking if user would like to exit without updating changes.</p>

### Signin Behavior

Test Name	Method	Test Details	Expected Result
testSignin	Manual	Click on 'signin' button on the home page.	Should navigate the user to the Google sign in view and prompt them to enter their

			<p>email and password.</p> <p>If signed into Google account on the browser, the user will be routed to the tasks + roommates view.</p>
testInccorectLogin	Manual	Test account link with incorrect details	Incorrect Login Details Message appears

## Browser Routing

Test Name	Method	Test Details	Expected Result
testViewRoute	Manual	<p>Change the url in the browser from:</p> <p><a href="https://ohana.com/">https://ohana.com/</a></p> <p>to:</p> <p><a href="https://ohana.com/views/tasks">https://ohana.com/views/tasks</a></p>	<p>If user is signed into their Google account, the user will be automatically redirected to the tasks + roommates view</p> <p>Otherwise, they are directed to the signin page.</p>
testInvalidRoutes	Manual	<p>Change the url in the browser to:</p> <p><a href="https://ohana.com/&lt;text&gt;">https://ohana.com/&lt;text&gt;</a></p>	<p>Any invalid routes will be redirected back to the sign in page:</p> <p><a href="https://ohana.com/signin">https://ohana.com/signin</a></p> <p>Users will be routed to the appropriate view from depending on their signin state.</p>

## Roommates View Behavior

Test Name	Method	Test Details	Expected Result
testAddName	Manual	Add a user "@#oi"	It should tell you "invalid name"
		Add a user "john1"	It should tell you "invalid name"
		When there are no	The name should

		users added to the page, add a user “testing”	be displayed in a static box and the input box should be below the name that was recently added
		When there is a name “john” added, add a name “john”	It should tell you “name already exists”
		No pre-condition. Try to add user “ .	It should tell you “invalid name”
		Activate the textbox by clicking on it and without typing anything, click the plus icon	The button to submit should be disabled so the user cannot input an empty task.
		Make sure there is no “gregory” in the added username, Add user “GreGOry”	The name displayed should be all lowercase
testEditName	Manual	Have a name “john” be in the list, go into an edit mode for the name, change “john” to “rick”, click confirm	The box that was displaying “john” now displays “rick”
		Have a name “john” be in the list, go into an edit mode for the name, change “john” to “”, click confirm	The button to submit should be disabled so the user cannot input an empty task.
		Have a name “john” be in the list, go into an edit mode for the name, change “john” to “”, click confirm	Display “invalid name”

testDeleteName	Manual	Have a name "john" in the user list and click delete on the name.	The box containing the name should disappear
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### Tasks View Behavior

Test Name	Method	Test Details	Expected Result
testAddTask	Manual	In the task view, a task "test1" is submitted as a new task.	"test1" should appear as a new task on the taskview
testEditTask	Manual	Edit button is clicked and the task name is changed to "editedtask".	The task should now be listed as "editedtask"
testDeleteTask	Manual	Delete button is clicked on the test task.	The test task should no longer appear as a task
testDuplicateTask	Manual	In the task view the same task is entered twice. The test would try to input "duplicate" and "duplicate".	The view should alert the user with the error message "task already exists"
testBlankTask	Manual	In the task view an empty task ("") is attempted to be submitted.	The button to submit should be disabled so the user cannot input an empty task.

## Alexa Skill Components

### Account Linking Behavior

Test Name	Method	Test Details	Expected Result
testLinkCardSimulated	Manual (Simulator)	Test initial app launch to see if account link card appears in Alexa simulator	Account link card appears on Alexa simulator test environment and displays the Amazon generated Account Link option
testLinkCardActual	Manual	Test initial app launch to see if account link card appears in Alexa companion app	Account link card appears on Alexa companion app environment and displays the Amazon generated Account Link option
testRedirect (Not available on simulated environment)	Manual	Test Link Card to ensure the account link redirect goes to correct link	Redirect to Ohana web app sign in page on Alexa companion app environment
testLinkSignUp	Manual	Test account linking through Alexa companion app to see if link occurs with an email and password sign up	Linked account appears in Firebase database with correct user emails and Alexa ID
testLinkSignIn	Manual	Test account linking through Alexa companion app to see if link occurs with an email and password that already exists on the web app	Existing account is linked in Firebase database with correct user emails and Alexa ID
testNewDevice	Manual	Test account linking through Alexa companion app to see	Existing account is linked in Firebase database with

		if link occurs with an email and password that already exists on the web app with a different Alexa Device	correct user emails and both Alexa ID
testSkillReDownload	Manual	Test account linking through Alexa companion app after one initial account link, adding some data, deleting the skill, then redownloading the skill and performing a link.	Existing account is linked in Firebase database with correct user emails and one Alexa ID. Existing account includes the same data as after the first link.

### Alexa Skill Behavior

- We intend to write automated tests on AWS Lambda Console
- Our requirements spec does not account for the case when a roommate might mark someone else's task as done. We expect our users to only update their task statuses.

Test Name	Method	Test Details	Expected Result
testLaunch	AWS Saved Test	Use one of these words to invoke the skill <ul style="list-style-type: none"> <li>• "Launch ohana"</li> <li>• "Open ohana"</li> <li>• "Load ohana"</li> <li>• "Start ohana"</li> <li>• "Run ohana"</li> </ul>	The following text is in the speech output field of the response object: "Welcome, to ohana! Would you like to learn learn about how to use this skill?"
testStopIntent	AWS Saved Test	Example: To stop Alexa from listing all the tasks Input: "Alexa, stop"	The following text is in the speech output field of the response object: "Goodbye." <i>* This is how some other skills handle this request.</i>
testHelpIntent	AWS Saved	Sample utterances:	The following text is

	Test	<ul style="list-style-type: none"> <li>• “Alexa, help me use ohana”</li> <li>• “Alexa, how can I use ohana?”</li> <li>• “Alexa, what can I do with ohana?”</li> <li>• “Alexa, what is ohana?”</li> </ul>	<p>in the speech output field of the response object: “You can say: Alexa, ask ohana what’s my task for today”</p> <p>The user is prompted to say their name:</p> <p>“What is your name?”</p> <p>“Mark”</p> <p>“Ok, Mark. You are assigned to buy groceries.”</p>
testGetTask	AWS Saved Test	<p>Sample utterances:</p> <ul style="list-style-type: none"> <li>• “Alexa, ask ohana what I have to do”</li> <li>• “Alexa, tell ohana to get my task”</li> <li>• “Alexa, ask ohana what my task is”</li> </ul>	<p>Speech response:</p> <p>&lt;Reprompt&gt; What is your name? &lt;/Reprompt&gt; &lt;Input&gt;...&lt;Input&gt; &lt;Speak&gt;... is assigned to do dishes&lt;/Speak&gt;</p>
testMarkAsDone <ul style="list-style-type: none"> <li>• Confirm</li> </ul>	AWS Saved Test	<p>Sample utterances:</p> <ul style="list-style-type: none"> <li>• “Alexa, tell ohana I’m done with my task”</li> <li>• “Alexa, can you ask ohana to mark my task as done?”</li> <li>• “Alexa, tell ohana to mark my task as complete”</li> </ul>	<p>Speech response</p> <p>&lt;Reprompt&gt; What is your name? &lt;/Reprompt&gt; &lt;Speak&gt;You were assigned to _____. Are you sure you want to mark this as done?&lt;/Speak&gt; &lt;Input&gt;Yes&lt;/Input&gt; &lt;Speak&gt;Ok, done.&lt;/Speak&gt;</p>
testMarkAsDone <ul style="list-style-type: none"> <li>• Cancel</li> </ul>	AWS Saved Test	<p>Sample utterances:</p> <ul style="list-style-type: none"> <li>• “Alexa, tell ohana I’m</li> </ul>	<p>Speech response</p> <p>&lt;Reprompt&gt;</p>

		<p>done with my task”</p> <ul style="list-style-type: none"> <li>• “Alexa, can you ask ohana to mark my task as done?”</li> <li>• “Alexa, tell ohana to mark my task as complete”</li> </ul>	<p>What is your name?</p> <p>&lt;/Reprompt&gt;</p> <p>&lt;Speak&gt;You were assigned to _____. Are you sure you want to mark this as done?&lt;/Speak&gt;</p> <p>&lt;Input&gt;Cancel or No or Nah&lt;/Input&gt;</p> <p>&lt;Speak&gt;Ok, intent cancelled.&lt;/Speak&gt;</p>
testUnexpected Utterance	AWS Saved Test	<p>Unexpected utterance:</p> <p>If the user input is not one of the sample utterances.</p>	<p>&lt;Speak&gt;“Sorry, ohana doesn’t recognize this phrase.”&lt;Speak&gt;</p> <p>&lt;Reprompt&gt;Would you like to get some help to use this skill?&lt;/Reprompt&gt;</p> <p>&lt;Input&gt;...&lt;/Input&gt;</p>