

## Manual Tests, First Iteration

Test #	Name	Cat.	Test Procedure	Result On Each Device
1.1	appLaunch	Launch	From android studio, choose device that you want to test app on, and click the green play button to the right of the device name. Wait for emulator to run. Success if app runs on emulator.	Nexus 5 (API 29) - Success Pixel 2 (API 26) - Success Nexus 5X (API 28) - Success Pixel 3 (API 27) - Success Nexus 6P (API 29) - Fail (App only runs on devices with Google Play services, will not be tested from now on)
1.2	createAccount	Account/ API	From the app, tap "create account" button on the login screen and enter information for the new user. Click "create account". Success if user receives verification email.	Nexus 5 (API 29) - Success Pixel 2 (API 26) - Success Nexus 5X (API 28) - Success Pixel 3 (API 27) - Success
1.3	badEmail	Account	From the account creation page, input and email without the domain name and try to create an account. Success is a message that says "Invalid email"	Nexus 5 (API 29) - Success Pixel 2 (API 26) - Success Nexus 5X (API 28) - Success Pixel 3 (API 27) - Success
1.4	login	Login/ API	On the login page, with the good user data from test 2, enter the username and password. Click "Login" button. Success is a message that reads "Login Successful" and the user being taken to the homepage.	Nexus 5 (API 29) - Success Pixel 2 (API 26) - Success Nexus 5X (API 28) - Success Pixel 3 (API 27) - Success
1.5	unverifiedEM	Login	On the login page, enter the good email and password from test 2 before the email has been verified. Click "Login". Success is a message that alerts the user that their email is not verified.	Nexus 5 (API 29) - Success Pixel 2 (API 26) - Success Nexus 5X (API 28) - Success Pixel 3 (API 27) - Success
1.6	badUsername	Login	On the login page enter an email not associated with an account and the good password from test 2. Click "Login". Success is a message that says "Invalid Login"	Nexus 5 (API 29) - Success Pixel 2 (API 26) - Success Nexus 5X (API 28) - Success Pixel 3 (API 27) - Success
1.7	badPW	Login	On the login page enter the email from test 2 and a password not associated with	Nexus 5 (API 29) - Success Pixel 2 (API 26) - Success Nexus 5X (API 28) - Success

			the email from test 2. Click "login". Success is a message that reads "Invalid Login"	Pixel 3 (API 27) - Success
1.8	pwChange	Account/ API	After user has logged in and is on the home page, click the "change password" button. Enter a new password, enter the new password again and click "change password". Success is the ability to log in with the new password AND a password change email to the account's associated email.	Nexus 5 (API 29) - Fail (No PW change email) Pixel 2 (API 26) - Fail (No PW change email) Nexus 5X (API 28) - Fail (No PW change email) Pixel 3 (API 27) - Fail (No PW change email)
1.9	badpwChange1	Account/ API	After user has logged in and is on the home page, click the "change password" button. Leave both text areas blank. Success is the inability to change the password when both spots are left blank.	Nexus 5 (API 29) - Success Pixel 2 (API 26) - Success Nexus 5X (API 28) - Success Pixel 3 (API 27) - Success
1.10	badpwChange2	Account/ API	After user has logged in and is on the home page, click the "change password" button. Enter different strings for the first and second text areas. Success is a message that says "Passwords don't match"	Nexus 5 (API 29) - Success Pixel 2 (API 26) - Success Nexus 5X (API 28) - Success Pixel 3 (API 27) - Success
1.11	emailChange	Account/ API	After user has logged in and is on the home page, click the "update email" button. Enter a good email in the text box. Click the "update email" button. Success is a confirmation email to the previously used email, a verification email to the new email, and the ability to log in using the new email once it has been verified.	Nexus 5 (API 29) - Success Pixel 2 (API 26) - Success Nexus 5X (API 28) - Success Pixel 3 (API 27) - Success
1.12	badEMChange	Account/ API	After user has logged in and is on the home page, click the "update email" button. Like test 3, enter an email without the domain name, and click the update email button. Success is a message that alerts the user that the email is invalid.	Nexus 5 (API 29) - Success Pixel 2 (API 26) - Success Nexus 5X (API 28) - Success Pixel 3 (API 27) - Success
1.13	homepglcon	API	From any page besides the	Nexus 5 (API 29) - Success

			home page, click the leftmost icon on the menu. Success is the user being taken to the homepage.	Pixel 2 (API 26) - Success Nexus 5X (API 28) - Success Pixel 3 (API 27) - Success
1.14	setsIcon	API	From any page besides the sets page, click on the center icon of the menu. Success is the user being taken to the sets page.	Nexus 5 (API 29) - Success Pixel 2 (API 26) - Success Nexus 5X (API 28) - Success Pixel 3 (API 27) - Success
1.15	logout	API	From any page, click on the rightmost icon on the menu. Success is the user being taken back to the login page.	Nexus 5 (API 29) - Success Pixel 2 (API 26) - Success Nexus 5X (API 28) - Success Pixel 3 (API 27) - Success
1.16	newSet	Sets/API	From the sets page, click the red "Add set" button. Success is a new page with a name text box, an owner text with the username from test 2, a description text box, and the two text boxes for the first flashcard.	Nexus 5 (API 29) - Success Pixel 2 (API 26) - Success Nexus 5X (API 28) - Success Pixel 3 (API 27) - Success
1.17	addcard	Sets/API	From the new set page, click the "add card" button. Success is the displaying of two new text boxes for the new term and its definition.	Nexus 5 (API 29) - Success Pixel 2 (API 26) - Success Nexus 5X (API 28) - Success Pixel 3 (API 27) - Success
1.18	publishSet	Sets/API	From the new set page, click the "publish" button. Success is the user returning to the sets page, and the published set is now visible above the "Add set" button.	Nexus 5 (API 29) - Fail (User not returned to sets page and set is not visible) Pixel 2 (API 26) - Fail (User not returned to sets page and set is not visible) Nexus 5X (API 28) - Fail (User not returned to sets page and set is not visible) Pixel 3 (API 27) - Fail (User not returned to sets page and set is not visible)