

Philip Yuan: Tip Calculator Test Runs										
Description: Testing of Tip Calculator Android App from HW2										
Date and Time of Test Run		December 8 2017, 9:00PM								
Environment Description		Android Studio 3.0.1, Android Phone 7.1.1, Android Emulator Nexus 5X								
SW Version		Android Studio 3.0.1								
Notes										
Test ID	Test Scenario	Platform	Test Steps	Test Description (Steps)	Actual Results	Pass/Fail				
Test 1.1	Logging In With Wrong ID	Android Phone 7.1.1		Try logging in with an unregistered user ID.	A popup says you cannot login. App is not started.	Pass				
Test 1.2	Registration with non-email username	Android Phone 7.1.1		Go to registration page and input as username a non-email (with no @).	A popup says you cannot register. Firebase authentication database does not register the user.	Pass				
Test 1.3	Registration with already taken username	Android Phone 7.1.1		Go to registration page and register a new account. Upon successful registration, try to register the same account.	A popup says you cannot register. Firebase authentication database does not register the user.	Pass				
Test 1.4	Meal Total and Custom Tip inputs with non-numerical input	Android Phone 7.1.1		Login and input as meal total and custom tip non-numerical inputs (e.g. "Hello!")	App fails.	Fail				
Test 1.5	Logout and Login	Android Emulator Nexus 5X		Successfully login, logout, and login using same user	Login works as intended with the correct user logging in.	Pass				
Test 1.6	Large inputs	Android Emulator Nexus 5X		Input in the custom fields very large numbers and try to calculate a tip	Text field can display infinity or if the number if not sufficiently large enough, overflow off the screen.	Fail				
Test 1.7	Minimization	Android Emulator Nexus 5X		Minimize app while running, run other apps, and go back to this app	App resumes as usual.	Pass				
Test 1.8	Normal usage	Android Emulator Nexus 5X		Register a username, login, enter reasonable inputs (numerical and reasonable amount for a dinner), try the buttons.	App works successfully. Firebase stores the new user, and the correct tip is always displayed.	Pass				
Example Results:										
Test 1.8	Test 1.3	Test 1.6	Test 1.6							
										