Float Exploratory Testing Document
The motivation of FLOAT is to elevate the interaction between campaign participants and campaign. Therefore, user experience (User Interface interaction) is crucial to the success of application. Additionally, the implementation of our application does not involve much functional methods. With these being said, exploratory testing would be a good method to test FLOAT.

Testing Table 1: Creating Campaign	
Date	2016-12-25
Duration	30 minutes
Actor	Normal User(Clarence)
Setup	One plus one Android API level 23
Priority	High: being able to create a campaign is one of the core functionalities
Activities	1.Login the application 2.Navigate to the create campaign page 3.Fill in the necessary information for campaign 4.Click the create button 5.Observe if campaign information is stored in Firebase 6.Observe if the new created campaign is showed on the map page
Test Notes	-the new campaign is successfully stored into Firebase with the information filled by the user

Testing Table 2: Making a PayPal Instant Payment (Donating to a Campaign)	
Date	2016-12-30
Duration	15 minutes
Actor	Normal user (Rachel)
Setup	Samsung Galaxy Note 5 Android API level 23
Priority	High: one of the main purposes of Float is to raise donations for charity
Activities	1. Login to application 2. Click on a campaign currently on the main map page 3. Click the "Donate" button 4. Specify the amount to donate 5. Go through the PayPal payment process 6. Observe that the payment has processed successfully 7. Observe that the user has been charged the amount they specified to donate
Test Notes	- The PayPal Sandbox buyer's account was deducted the correct amount for the donation

Testing Table 3: Making a PayPal Future Payment (Pledging to a Campaign)	
Date	2016-12-31
Duration	25 minutes
Actor	Normal user (Selina)
Setup	Samsung Galaxy Note 5 Android API level 23
Priority	High: one of the main purposes of Float is to raise charity awareness through users collaboratively spreading a campaign. The incentive for them to spread the campaign is for the campaign to reach its goal destination, in which the creator will fulfill their pledge
Activities	1. Login to application 2. Follow Testing Table 1: Creating Campaign, which includes setting a pledge amount in the case a campaign succeeds 3. Observe that Firebase has been updated with the information needed to execute a future payment from the user (the amount the user pledged, the user's PayPal Metadata ID, and a unique refresh token string)
Test Notes	- Information required to charge the user in the future from PayPal (using a refresh token) was successfully stored on Firebase with the user's other information

Testing Table 4: Executing a PayPal Future Payment (Charging a User for a Successful Campaign)	
Date	2016-12-31
Duration	35 minutes
Actor	Normal users (Selina)
Setup	Samsung Galaxy Note 5 Android API Level 23
Priority	Medium: users should be held accountable for their pledge in the case their campaign succeeds
Activities	1. Have two users login to the application from a different location 2. Have one user follow Testing Table 1: Creating Campaign, with the goal destination being in a location user 2 can spread to 3. User 2 finds the campaign user 1 created, and spreads the campaign (thereby fulfilling user 1's destination goal) 4. Observe that user 1 has been charged their pledged amount through PayPal
Test Notes	- The future payment was executed with the correct amount deducted. The PayPal Sandbox buyer's account was charged the correct balance of the user's initial pledge after the campaign reached its destination.

Testing Table 5: Floating a campaign	
Date	2016-12-31
Duration	30 minutes
Actor	Normal User (Richard)
Setup	Android API Level 23 Moto E
Priority	High: Floating a campaign is one of the core functionalities.
Activities	1. Login to the application. 2. From the map, choose one of the existed campaigns.(Or choose the campaign list, then select from there.) 3. Click on the DETAILS button. 4. Observe the details of the campaign. 5. Click on FLOAT button. 6. Success. Shows that "The campaign has floated to your location." 7. Click on RETURN TO MAP to go back. 8. The user's location is added to the list of the campaign's locations.
Test Notes	- The users current location must be within the campaigns floated area - Each user can only float a unique campaign once

Testing Table 6: Create User account	
Date	2016-1-2
Duration	20 minutes
Actor	Normal User (Aaron)
Setup	Android API Level 23 ZTE Axon 7
Priority	High: User must have an account to use Float
Activities	1. Open the application for the first time 2. Click on the facebook button and login using your facebook information, they will then be directed to the create user page 3. Click on the UPLOAD PHOTO button choose an image for the user profile picture 4. Fill in desired username on the name field 5. Fill in your location to the address field 6. Fill in the Tell us something about yourself field
Test Notes	- The account was successfully created and added to the database - Future use and logins to the application does not redirect the user to the create account page - Username is displayed under the user details icon on the top right of the screen and click on the icon will bring up user details page

Testing Table 7: Campaign List View	
Date	2016-1-2
Duration	10 min
Actor	Normal user (Aaron)
Setup	Android API Level 23 ZTE Axon 7
Priority	Low: list view does not affect the functionality of our app but serves as an option for users
Activities	1. Login to the application 2. From the buttonbar at the bottom of the map page click on the list view button 3. All campaigns will be listed in a list 4. Drag to scroll the list and view campaigns
Test Notes	- All the campaigns are show in the listview and detail of campaigns can be accessed from here - Certain campaigns load slowly (due to picture size)

Testing Table 8: Viewing Campaign Float Path	
Date	2016 -1-3
Duration	10 minutes
Actor	Normal user (Aaron)
Setup	Android API Level 23 ZTE Axon 7
Priority	High: Float path needs to be viewable so the user knows if they are within range of a campaign to spread it
Activities	1. Login to the application. 2. From the map, choose one of the existing campaigns and tap on its marker 3. Details page will pop up and its Floated areas will be displayed in blue circles
Test Notes	- Any campaign marker can be clicked on and its float path will be shown