Use Case ID:	1.0.1		
Use Case Name:	**Register**		
Created By:	Ashish Kumar Sarkar	Last Updated By:	Ashish Kumar Sarkar
Date Created:	17-03-2017	Date Last Updated:	26-03-2017

Actor:	Donor
Description:	The use case is used by donors to Register before pledging any donation.
Preconditions:	• Donor has a contact number. • Donor has an email id. • Donor has a smart phone to run the app.
Post conditions:	• Donor is registered with the system. • Donor details are uploaded in the system.
Priority:	• Donor registration form is created. • Form is the first screen to open when user runs the app, alongside with option of signing in.
Frequency of Use:	Only once. The very first time when the user wants to open the app.
Trigger:	Clicking on Sign Up Button.
Flow of Events:	1. Donor enters the name. (Mandatory) 2. System checks the field for a valid entry. 3. Donor enters the Email ID. (Mandatory). 4. Systemchecks for redundancy to validate the Email ID. 5. Donor enters the address. (Mandatory) 6. System checks the field for a valid entry. 7. Donor enters the mobile number. (Mandatory) 8. System verifies the mobile number. 9. Donor enters the password. (Mandatory) 10. System checks for a valid password. 11. Donor re-enters password for confirmation. 12. System matches password and confirmed password for equality. 13. Donor selects Register. 14. System updates the database with new donor details. 15. The registration process is complete.
Alternative Flows:	1.0.AC.1. 1. Donor skips any of the entries. 2. System notifies donor of incomplete form. 3. Registration stops.
Exceptions:	-
Includes:	-
Special Requirements:	Access to mobile phones with internet services.
Assumptions:	1. The Donor is able to operate a mobile phone and has internet access. 2. Donors are willing to use the platform.
Notes and Issues:	-

Use Case ID:	1.0.2		
Use Case Name:	**Make Pledge**		
Created By:	Anudeep Ghosh	Last Updated By:	Bhaskar Tejaswi
Date Created:	17-03-2017	Date Last Updated:	30-03-2017

Actor:	Donor
Description:	When the Donor wishes to donate then he/she enters what they intend to donate and in what quantity.
Preconditions:	Donor is registered.
Postconditions:	Donation pledged in the System.
Priority:	-
Frequency of Use:	Multiple times.
Trigger:	The donor selects Make Pledge.

Flow of Events:	1. System displays the form.
	2. Donor selects item name from a dropdown of options.
	   • The dropdown is populated with item names of the items added by the NGO representative in Manage Profile.
	3. Donor enters quantity (Mandatory).
	4. System checks whether quantity is empty or not.
	5. Donor selects a unit from a dropdown of standard units.
	6. Donor needs to check a checkbox whether to use default address for pickup
	   5.1 If Donor keeps the checkbox unchecked, the donor needs to mandatorily fill address of pickup location in a textbox.
	   5.2 If donor checks the option, the System makes the textbox un-editable.
	7. Donor must fill in "Details" only if the donor selects "Other" as item name.
	8. Donor must select a category from a list of options populated by the NGO representative.
	9. The inputs are validated and verified.
	   • Quantity is a numeric value.
	   • Pickup location should not be empty if the corresponding checkbox is left unchecked.
	   • Detail is a string and should not be empty if 'Other' is selected as item name.
	10. Donor selects "I Pledge".
	11. The donation request process is complete.

Alternative Flows:	1.0.AC.1.
	   1. Donor skips anyone of the entries.
	   2. System notifies donor of incomplete form.
	   3. Donation pledge stops.

Exceptions:	1.0.EX.1. Donor stops Donation. 1.0.EX.2. Loss of internet connection. 1.0.EX.3. App crashes.
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues	

Use Case ID:	1.0.3		
Use Case Name:	**View Pledged Donation**		
Created By:	Harshit Kandhway	Last Updated By:	Bhaskar Tejaswi
Date Created:	17-03-2017	Date Last Updated:	29-03-2017

Actor:	Donor
Description:	Donor can view, update or cancel previously Pledged Donation
Pre conditions:	Donor has pledged donation.
Post conditions:	Donor updates donation.
Priority:	-
Frequency of Use:	Multiple times.
Trigger:	The donor selects View Pledged Donation.
Flow of Events:	1. System displays the previously filled donation form with the following details : - Item Name - Quantity with unit - Details - Category - Pickup Location 2. Donor may update quantity. 3. Donor may edit or add "Details". 4. The inputs are validated and verified. - Quantity is a numeric value. - Details is a string. 5. The donation is updated in the System.
Alternative Flows:	1.0.AC.1. 　　1. Donor selects Cancel Donation. 　　2. Donation pledge is withdrawn. 1.0.AC.2. 　　1. Donor keeps a mandatory entry blank. 　　2. System notifies donor of incomplete form.
Exceptions:	1.0.EX.4.　Donor stops Donation. 1.0.EX.5.　Loss of internet connection. 1.0.EX.6.　App crashes.
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	1.0.4		
Use Case Name:	**Manage Profile**		
Created By:	Ashish Kumar Sarkar	Last Updated By:	Bhaskar Tejaswi
Date Created:	28-03-2017	Date Last Updated:	29-03-2017

Actor:	NGO
Description:	NGO representatives manage their profile, including the items they need and the minimum quantity before they receive notification.
Preconditions:	NGO has registered with the system.
Postconditions:	• The NGO's profile is updated. • The list of items in Donor UI also changes.
Priority:	
Frequency of Use:	Once a month, at maximum.
Trigger:	Clicking on Manage Profile button.
Flow of Events:	1. NGO representative clicks on "Manage Profile button." 2. NGO representative makes the list of required items, along with the quantity by doing these steps: • Select an item from the default dropdown menu • Enter the lower limit. • If an item is absent in the list, the representative shalldo the following: ➢ Enter the item name in "Add new item" textbox ➢ Select Add Item. • Select category from a list of options otherwise, ➢ Enter new category name ➢ Select Add ➢ Select the added category. 3. Add item button is clicked. 4. The system is updated. 5. The list of items required is updated at the bottom of the screen.
Alternative Flows:	-
Exceptions:	-
Includes:	-
Special Requirements:	The usage of the application is known to the NGO representative.
Assumptions:	-
Notes and Issues:	-

Use Case ID:	1.0.5		
Use Case Name:	**Manage Donation**		
Created By:	Bhaskar Tejaswi	Last Updated By:	Bhaskar Tejaswi
Date Created:	18-03-2017	Date Last Updated:	29-03-2017

Actor:	NGO
Description:	NGO representative manages the list of donations pledged.
Preconditions:	Donations have been pledged by Donors.
Postconditions:	The Notify functionality may be triggered if donation is confirmed.
Priority:	
Frequency of Use:	Whenever the NGO wants to check the list of donation pledged, at least **once** a day.
Trigger:	When the "Manage Donation" button is clicked.

Flow of Events:	1. The NGO representative clicks on Manage Donation button.
	2. The list of pledged donation is shown, which the representative can sort and view by the following parameters :
	   • Quantity
	   • Category
	   • Item Name
	   • Location
	3. The representative shall select the donations which the NGO wants to confirm and click on Confirm collection.
	4. The Notify use case is then triggered.

Alternative Flows:	1.0.AC.1 1. The NGO Representative may exit the screen without confirming any donation.
Exceptions:	-
Includes:	Notify
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	1.0.6
Use Case Name:	**Notify**
Created By:	Bhaskar Tejaswi	Last Updated By:	Ashish Kumar Sarkar
Date Created:	19-03-2017	Date Last Updated:	27-03-2017

Actor:	System
Description:	System sends notifications to all the actors: • NGO • Donor • Collection Unit
Preconditions:	-
Post conditions:	-
Priority:	-
Frequency of Use:	-
Trigger:	-
Flow of Events:	1. System receives alert from NGO that the donations have met the minimum collectable amount. 2. System sends notifications to the Collection Unit.
Alternative Flows:	1.0.AC.1. 1. System notifies Donor about the status of Collection.
Exceptions:	-
Includes:	-
Special Requirements:	-
Assumptions:	-
Notes and Issues:	-

Use Case ID:	1.0.7	
Use Case Name:	**View Collection Assignment**	
Created By:	Debanjana Kar	Last Updated By: Bhaskar Tejaswi
Date Created:	17-03-2017	Date Last Updated: 29-03-2017

Actor:	Collection Unit
Description:	1. Collection Unit receives pickup locations from the system. 2. Collection points have been pin pointed on the map.
Pre conditions:	1. NGO has confirmed collection. 2. Device has internet connection. 3. Collector is logged into the application designed to be used by the receiving (NGO) and collection units.
Post conditions:	1. Collection of the items is completed. 2. Control passes to update pickup
Priority:	1. Location received by the system. 2. A new screen with locations pin pointed on the map is shown.
Frequency of Use:	Every time when notification server notifies a collection.
Trigger:	A collection request is confirmed by the NGO.

Flow of Events:	1. Donor location is retrieved from system database.
	2. Retrieved information is used to pin point location on map.
	3. On clicking each point, a pop up comes with the following :
	   3.1 Donor details such as :
	      • Donor's name
	      • Donor's full address
	      • Donor's contact no
	4. Collection unit uses the locations from the map to determine his/her route himself/herself.

Alternative Flows:	-
Exceptions:	-
Includes:	-
Special Requirements:	Access to mobile phones with internet services.
Assumptions:	-
Notes and Issues:	-

Use Case ID:	1.0.8
Use Case Name:	**Update Collection**
Created By: Pooja Ganguly	Last Updated By: Bhaskar Tejaswi
Date Created: 17-03-2017	Date Last Updated: 29-03-2017

Actor:	Collection Unit
Description:	Collection Unit collects items from the Donor's address and confirms pickup.
Pre conditions:	NGO has received item from Donor.
Post conditions:	Collection of the items is completed. System is updated.
Priority:	-
Frequency of Use:	Every time a collection is successful.
Trigger:	Long press on the donor's location pin on the map.
Flow of Events:	1. Collection unit long presses the donor's location pin on the map. 2. System changes the pin's color from red to green. 3. A green location pin indicates successful pickup from the donor. 4. The System is updated.
Alternative Flows:	-
Exceptions:	-
Includes:	-
Special Requirements:	Access to mobile phones with internet services.
Assumptions:	-
Notes and Issues:	-