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03 - NonProfit Donation

Description:

A donation desktop application that provide a platform that connects donors and nonprofit organizations. Donors can donate directly to nonprofit organizations. Nonprofit organizations set up a fundraising events and collect donations from donors. Non-profit organization can keep track of donation amounts and donor's information.

Project Requirements:

Business Requirements		
ID	Requirement	Priority (5 being the highest, 1 being the lowest)
BR-01	Users must use an email address as their username.	5

User Requirement		
ID	Requirement	Priority (5 being the highest, 1 being the lowest)
UR-01	As a user, I should be able to sign up to be a donor or non-profit organizations.	5
UR-02	As a donor, I should be able to setup an account that save my information for future use.	4
UR-03	As a donor, I should be able search for specific types of events or requests.	1

User Requirement		
ID	Requirement	Priority (5 being the highest, 1 being the lowest)
UR-04	As a donor, I should be able to have the option to edit and save my payment method so that I don't need to reenter my payment method every time I make donation.	3
UR-05	As a donor, I should be able to donate any amount I want or pay preset amount for quickness and ease.	2
UR-06	As a donor, I should be able to view the non-profit organizations profile panel that are requesting or hosting events.	3
UR-07	As a non-profit organization, I should be able to set up donation request or events.	4
UR-08	As a non-profit organization, I should be able to view a list of donations and donor's information.	3
UR-09	As a non-profit organization, I should be able to see how much or how many times a donor has donated.	3
UR-10	As a non-profit organization, I should be able to post news feeds on my profile panel.	4
UR-11	As a non-profit organization, I should be able to collect the donations from donors.	4
UR-12	As a non-profit organization, I should be able to send out thank you messages to donor's who donated.	1
UR-13	As a donor I should have the option to be able to setup a long-term or one time donation.	2

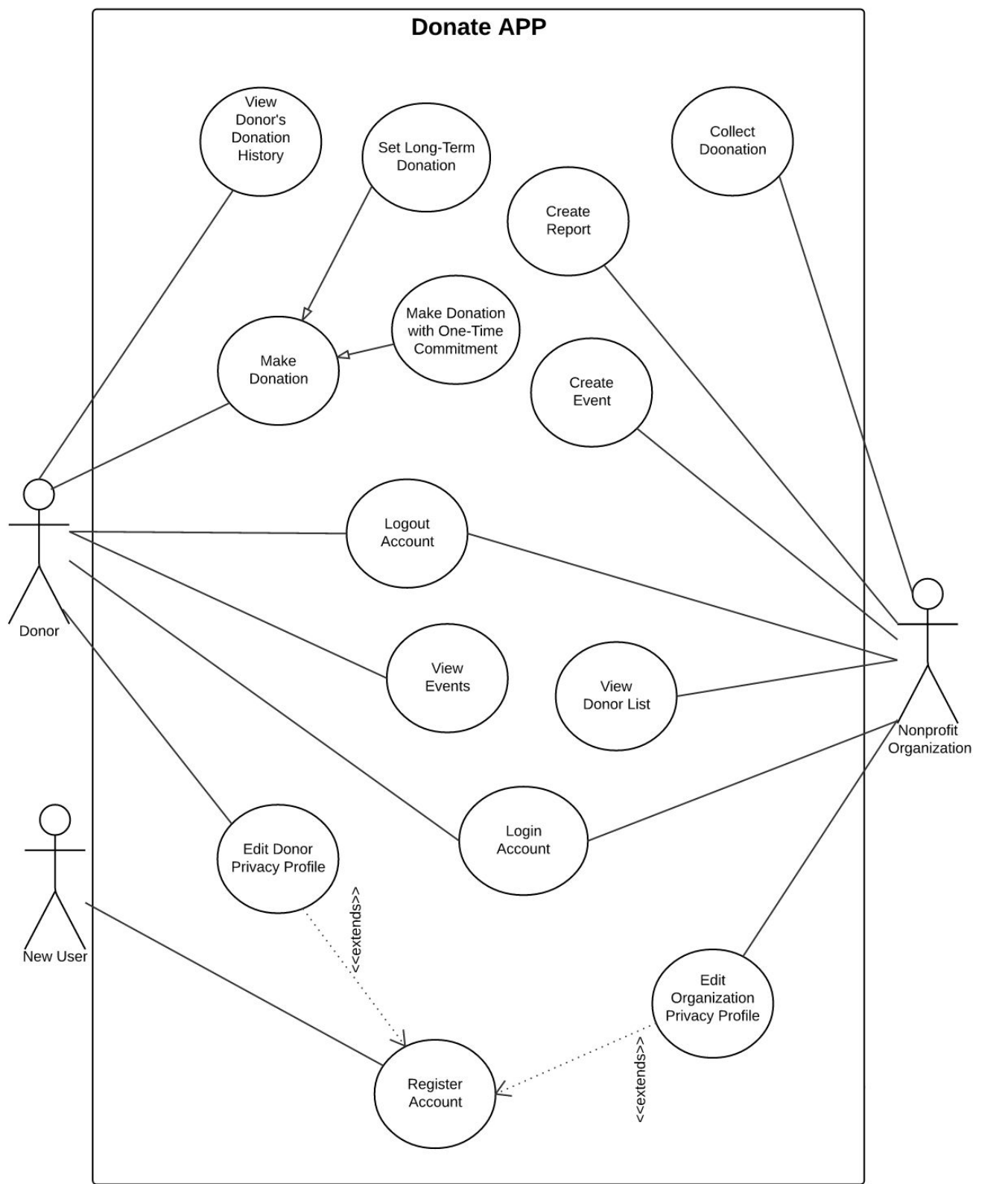
Functional Requirement		
ID	Requirement	Priority (5 being the highest, 1 being the lowest)
FR-01	Display user information, e.g. id or username	4
FR-02	After being logged in there should be a message to greet the user.	4
FR-03	After a organization signed up, showing the total donation	1
FR-04	When user clicked donate button a confirmation window should pop-up.	3
FR-05	Information are stored in database with email address as primary key.	2
FR-06	The view post need to display the title, organization and logo, date, and a brief description about the events and organization.	4
FR-07	The posts are sorted by date.	3
FR-08	Detail show all information in FR-06, contact information, and a full description.	1
FR-09	A donated post will not show in the suggestion feed.	2
FR-10	Show the format "Donate APP - username" on the window title	3

Non-Functional Requirement

ID	Requirement	Priority (5 being the highest, 1 being the lowest)
NFR-01	Security: The database needs to store all privacy profile securely.	3
NFR-02	Performance: The system should speed less than 10 seconds to load each panel.	1
NFR-03	Recoverability: The system should have back-off database that store the personally informathin to avoid accident.	2
NFR-04	Manageability: The system should have different security level to store the credit or debit card.	4
NFR-05	Performance: Modified data in a database should be updated for all suers accessing it within 3 seconds.	5

Use Cases:

Use Case Diagram



Use Case Documents:

Use Case ID:	UC-01		
Use Case Name:	Edit Donor Privacy Profile		
Description:	Donor can be able to edit their privacy profile of first and last name, home address, phone, email, credit card number, credit card type, CVN and expiration date.		
Actor:	Donor		
Pre-conditions:	Donor must already have a registered account and is logged in a donor account.		
Post-conditions:	All new information will be saved and updated on the donor account privacy profile.		
Frequency of Usage:	Once every few months		
Flow of Events		Actor Action	System Response
	1.	Click “Edit Donor Profile”	System will direct the users to donor privacy profile page.
	2.	Fill out the form	System will display new input in all of the form boxes.
	3.	Click “Confirm Changes” tab.	System will save all changed values and update it to the donor privacy profile.
Variations:	None		
Exception:	None		
Developer Notes:			

Use Case ID:	UC-02		
Use Case Name:	Edit organization privacy and information.		
Description:	Organization can be able to edit their organization privacy and information. Information that can be edit are organization name, address, phone, email and bank account number (debit card only).		
Actor:	Nonprofit Organization		
Pre-conditions:	Non-profit Organization user must already have a register account and is log in under the organization account.		
Post-conditions:	All updated information will be saved as current privacy profile in nonprofit organization account.		
Frequency of Usage:	Once every few months		
Flow of Events		Actor Action	System Response
	1.	Click “Organization Privacy Profile”	System will direct users to Organization Privacy Profile panel.
	2.	Fill out the form	System will display new input in all edit boxes.
	3.	Click “Confirm Changes” tab.	System will save any changed values as current organization privacy profile.
Variations:	None		
Exception:	None		
Developer Notes:			

Use Case ID:	UC-03		
Use Case Name:	Login Account		
Description:	All users will be able to login into their account and will be directed to either organization or donor privacy profile depending on their account type.		
Actor:	Donor		
Pre-conditions:	Users must already have an account.		
Post-conditions:	Users is logged into their account, and will direct to either organization or donor privacy profile depending on their account type.		
Frequency of Usage:			
Flow of Events		Actor Action	System Response
	1.	Enter username and login name, and tick either organization box or donor box.	
	2.	Hit “Login” button	Validate user’s credential
			Redirect to either organization or donor privacy profile
Variations:	1. If users ticked non-profit organization box, then it will be redirected to organization privacy profile panel. 2. If users ticked login box, then it will be redirected to donor privacy profile panel.		
Exception:	None		
Developer Notes:			

Use Case ID:	UC-04		
Use Case Name:	Create Event		
Description:	Non-profit organization user is able to create posts that describe the events or news associated with their organization.		
Actor:	Non-profit organization		
Pre-conditions:	Non-profit organization user has already logged in..		
Post-conditions:	Post will be saved and new event will be posted in donor’s view events panel.		
Frequency of Usage:	Every few days		
Flow of Events		Actor Action	System Response
	1.	Click on the “Create Event” tab.	System will display a form that consist of two edit box; Post Title and Post Contents.
	2.	Choose Template	System generate Organization News Post template.
	3.	Edit Form	
	4.	Click “Confirm”	System saves the form and add a new post in View Event panel.
Variations:	2. The user can choose the “Thank you”, “News” and “Fundraiser” option, the system creates the organization form can update panel.		
Exception:			
Developer Notes:			

Use Case ID:	UC-05
Use Case Name:	Make Donation
Description:	A donor can select a non-profit organization to donate funds to base on the events or request of the organization. Funds can be donated in fixed or non-fixed amount.

Developer Notes:	
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Use Case ID:	UC-06		
Use Case Name:	Collect Donation		
Description:	A non-profit organization user can collect donations from donors who donated funds to their organization.		
Actor:	Non-profit organization		
Pre-conditions:	Non-profit organization user can only collect funds when a donation from a donor has occurred, an event or request has been made, a bank account routing number has been setup in the profile panel, and is logged in as a non-profit organization account.		
Post-conditions:	The non-profit organization user will access to the donation funds via bank transfer.		
Frequency of Usage:	Minimal based on number of donations and needs of organization		
Flow of Events		Actor Action	System Response
	1.	Click the “collect” button on the non-profit organization profile panel.	System will display a list of events and requests that have donation funds.
	2.	Select one or multiple items from the list and click the confirm button.	System will collect funds from the chosen item and send funds directly to organization bank account.
	3.		System will than display a confirmation panel showing that the funds have been processed.
Variations:			
Exception:			
Developer Notes:			

Use Case ID:	UC-07		
Use Case Name:	Register Donor Account		
Description:	A new user is able to register a new donor account or a new organization account depending on what purposes of the account is used for.		
Actor:	New Users		
Pre-conditions:	A new user opens the software and have no registered username and password.		
Post-conditions:	The new user can register a valid username and password and as well must be able to fill out the personal/organization information.		
Frequency of Usage:	Must be used by the new users and is base function of the application.		
Flow of Events		Actor Action	System Response
	1.	Click “Register” link	Update panel with choices of donor and organization with radio boxes. Donor is selected as default.
	2.	Choose default option	Create a donor form and update panel.
	3.	Fill out the table	Check validity of the username and password.
	4		Register the username, password, and the personal information when validated.
	4.	-	Display main screen automatically.
	5	-	
Variations:	2. The user can choose the organization option, the system creates the organization form can update panel.		
Exception:	None		
Developer Notes:			

Use Case ID:	UC-08		
Use Case Name:	View User Donation History		
Description:	Donors are able to view the history list that lists the information of the events he/she has donated previously.		
Actor:	Donor		
Pre-conditions:	The user is logged in as donor.		
Post-conditions:	The donor is able to view their history of donation.		
Frequency of Usage:	Assumed to be use once per month by a donor.		
Flow of Events		Actor Action	System Response
	1.	Click the View History button	Retrieve the history record with the username from database.
	2.	-	List the items including the name of the organization, date, and amount of donation in a popped-up window.
Variations:	1. Trigger View History after making a donation		
Exception:	None		
Developer Notes:	None		

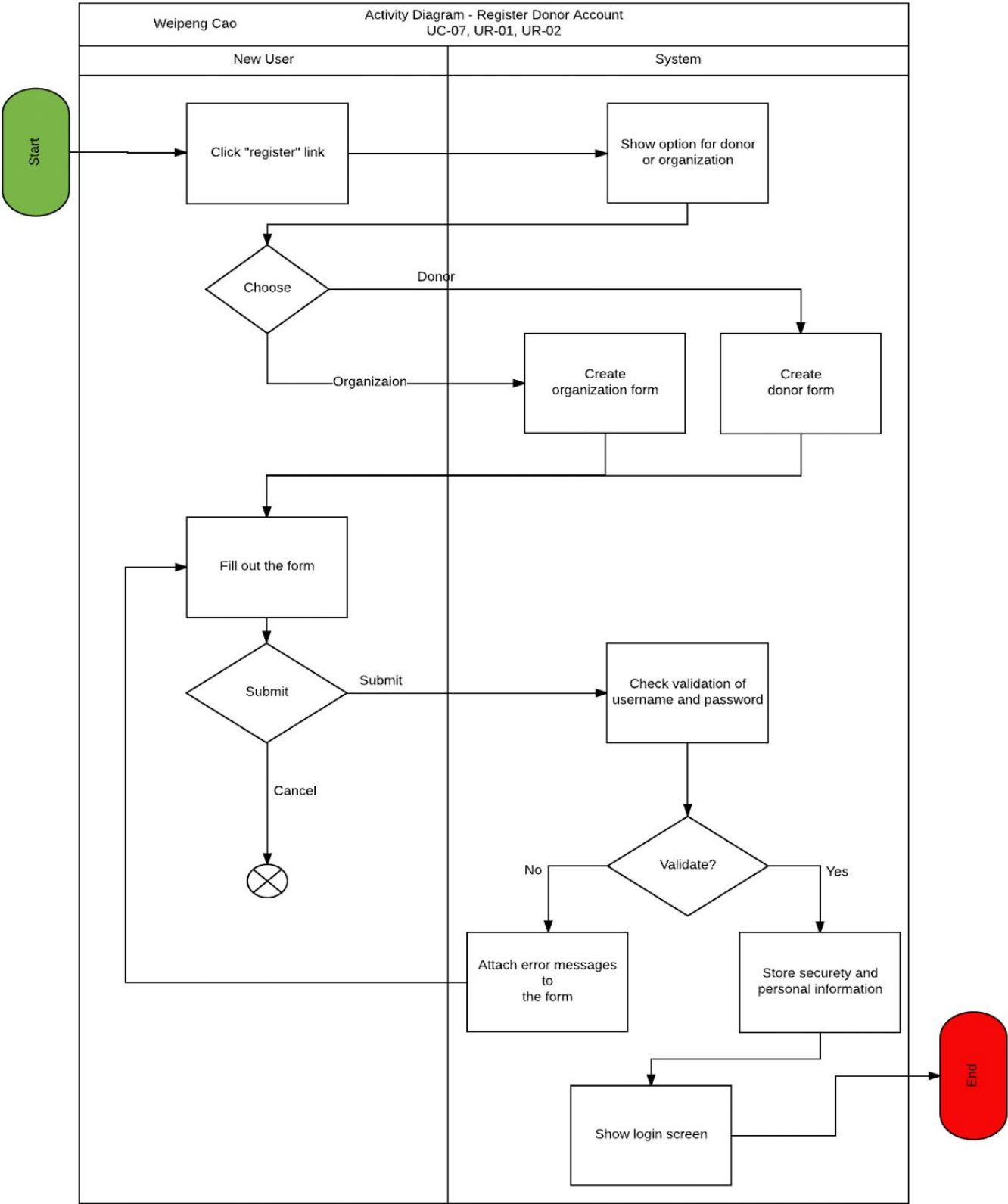
Use Case ID:	UC-09		
Use Case Name:	View Events		
Description:	Donors is able to view events posted by non-profit organization		
Actor:	Donor		
Pre-conditions:	The user must be logged in as donor.		
Post-conditions:	Events displayed in view events panel.		
Frequency of Usage:	Frequently		
Flow of Events		Actor Action	System Response
	1.	Click on view event button on main window.	Retrieve the post by all organization that has created an event.
	2.	-	Create view area for panels that contains the organization information and post the description.
	3.		Update view area of viewing event in the main window.
Variations:			
Exception:	None		
Developer Notes:	None		

Use Case ID:	UC-010		
Use Case Name:	View Donor List		
Description:	Non-profit organization is able to view list of donors that had donated money to the non-profit organization		
Actor:	Non-profit Organization		
Pre-conditions:	The user must be logged in as non-profit organization.		
Post-conditions:	List of donors is displayed in view donor panel.		
Frequency of Usage:	Once every month		
Flow of Events		Actor Action	System Response
	1.	Click on view event button on main window.	Retrieve the donor list from database.
	2.	-	Create view area for panels that contains donors' name, amount and date.
	3.	-	display the information in the current panel.
Variations:			
Exception:	None		
Developer Notes:	None		

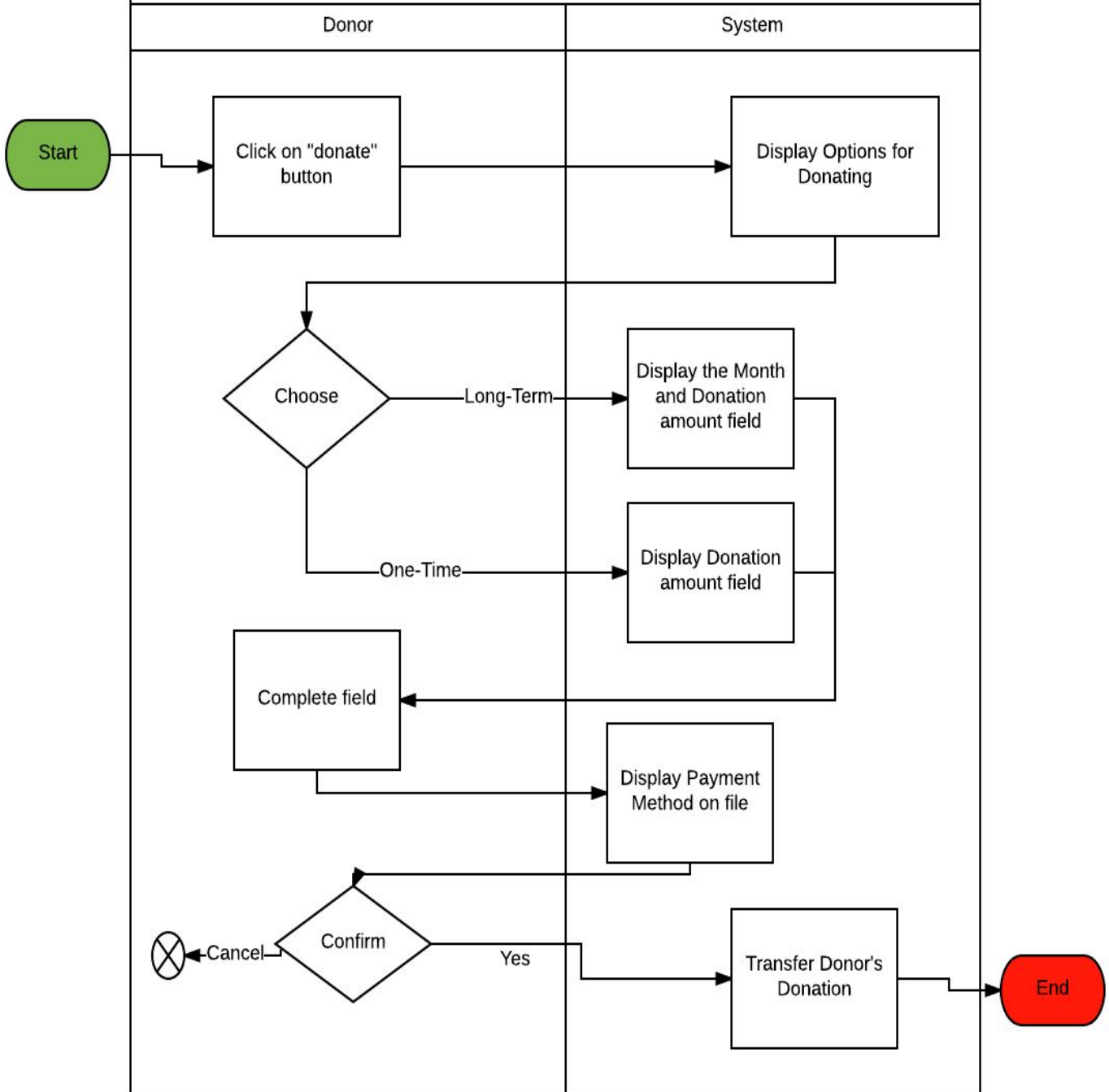
Use Case ID:	UC-011		
Use Case Name:	Logout		
Description:	Users must able to logout of their account.		
Actor:	Non-profit Organization and donor		
Pre-conditions:	users are logged into donation app.		
Post-conditions:	Users are logged out of donationa app.		
Frequency of Usage:	Couple times a day.		
Flow of Events		Actor Action	System Response
	1.	Click logout button	Log the user out
	2.	-	Redirect to Log in panel
Variations:	None		
Exception:	None		
Developer Notes:	None		

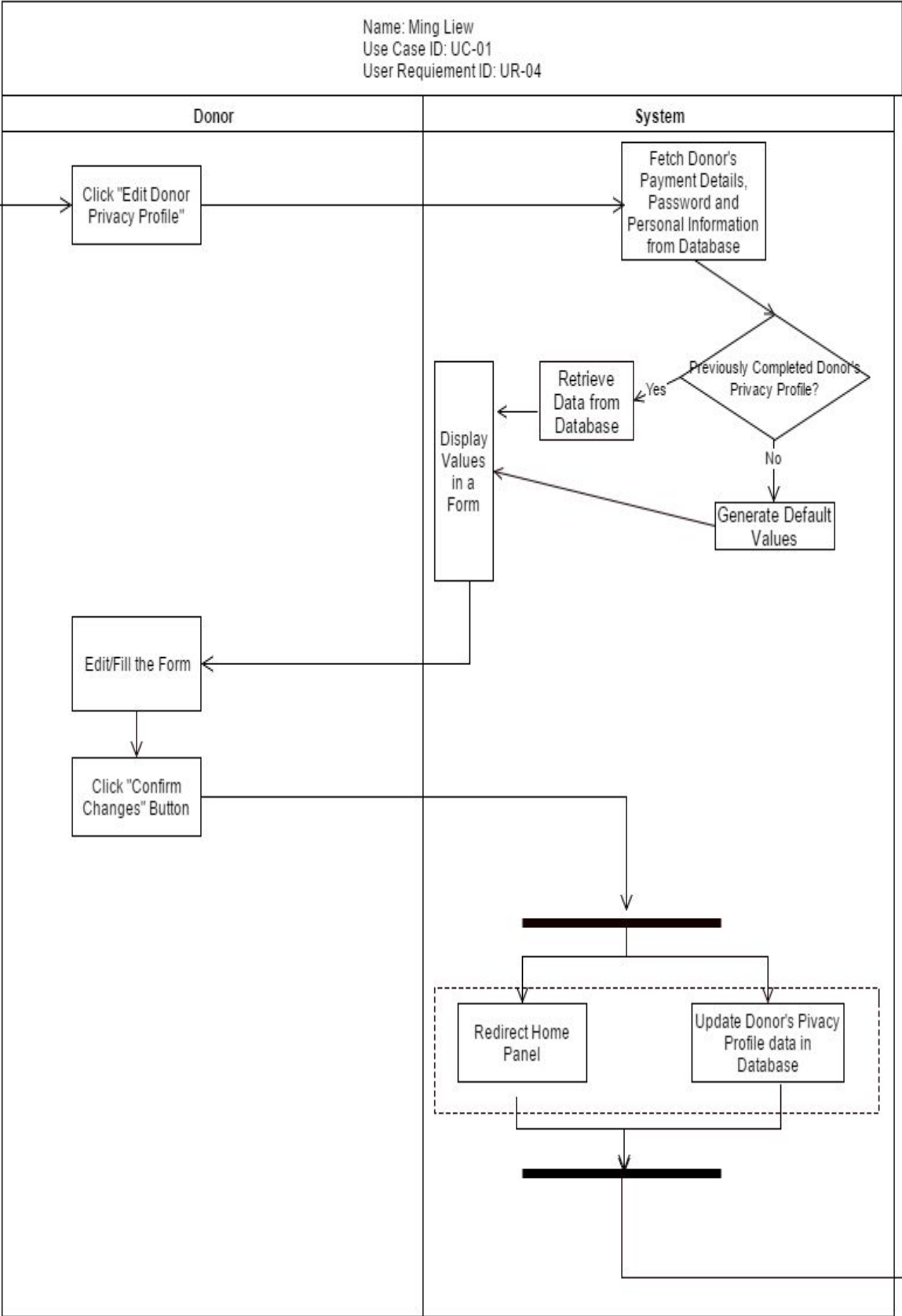
Use Case ID:	UC-012		
Use Case Name:	Create Report		
Description:	Non-profit organization must view all donors' email list, so that they can copy and paste the address and send email to everyone.		
Actor:	Non-profit Organization		
Pre-conditions:	organization are logged in and has an account.		
Post-conditions:	emails list is displayed.		
Frequency of Usage:	Every 3 months		
Flow of Events		Actor Action	System
	1.	Click on create report button on main window.	Retrieve the all donor's email list from database.
	2.	-	Create view area for panels that all email address of the donors.
	3.	-	displayed all email list on the current panel.
Variations:	None		
Exception:	None		
Developer Notes:	None		

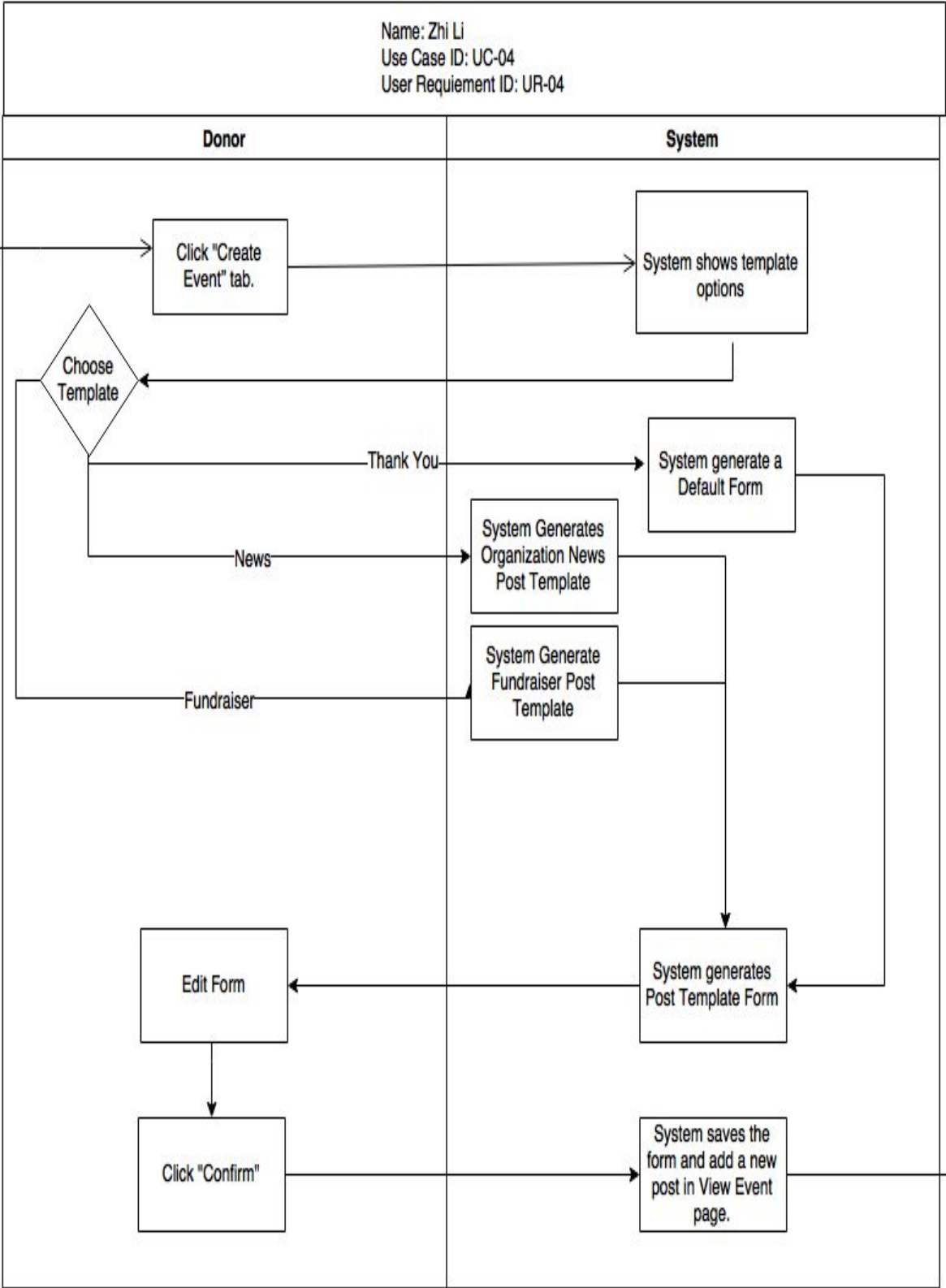
Activity Diagram:



Name: James Huynh
Use Case ID: UC-05 Make Donation
User Requirement ID: UR-03, UR-05, UR-06, UR-13








Data Storage:

We will be using MySQL for our non-profit donation app. Our database will be a relational database that can store the user personal information such as their name, email, password and organization if applicable. Our relational database will be also able to store the donation amount, when the donation occur, what user made that donation, and what non-profit organization received the donation. The database can be use by the non-profit organization to generate reports about the donations they received, and the donors will also be able to use it to see the history of their donation amount and what organization they made the donations to.

UI Mockups:

Non Profit Donation - New User



Welcome to use
Non Profit Donation

username:

Email Address

password:

Password

Register for:

☒ Donor

☐ Pizza

Last Name:

Last Name

First Name:

First Name

Address: line 1

Address line 1

Address: line 2

Address line 2

Default payment:

Credit Card:

XXXX-XXXX-XXXX-XXXX

Register

Cancel

Make Donation - Username (Donor)

Organization: XXX ORG

Date: 201X-XX-XX

Posted by: Title Name Contact Info: (XXX)XXX-XXXX

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Back

Donate

NonProfit Donation - Login



Email Address

Password

Sign In

[Register an account for donor and organization](#)

[About Nonprofit Donation](#)

**Username**[View History](#)[Edit Profile](#)

Log Out

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Phone: (XXX)XXX-XXXX

Contact: Mr. XXX
Date: XXXX-XX-XX

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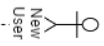
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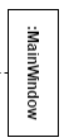
User Interactions & Class Diagram:



New User



:LoginPanel



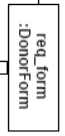
-MainWindow



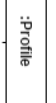
:ReqPanel



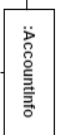
:ReqDialog



req_form
:DonorForm



:Profile



:AccountInfo



:DBManager

WeiPeng Cao
UC-07, UR-01.02
This diagram shows the procedures of the system to register a new user with valid inputs from the new user.

