Name: Raymond Ruan

Title: Donation make difference

Project Summary: A donation system that only the verified user who have passed the background check can initiate a new donation. Other users can only make a donation to the project they are interested in. There are two types of donation, one is the money and the other type is material resources, like, cloth, shoes, etc. The user who receive the donation need to set the total amount of money they need, once the donation amount reach the goal for the project, the project will be closed automatically. The website manager can manage user data and project data, and prove which users can initiate the donation. User need to register their credit card in order to make donation
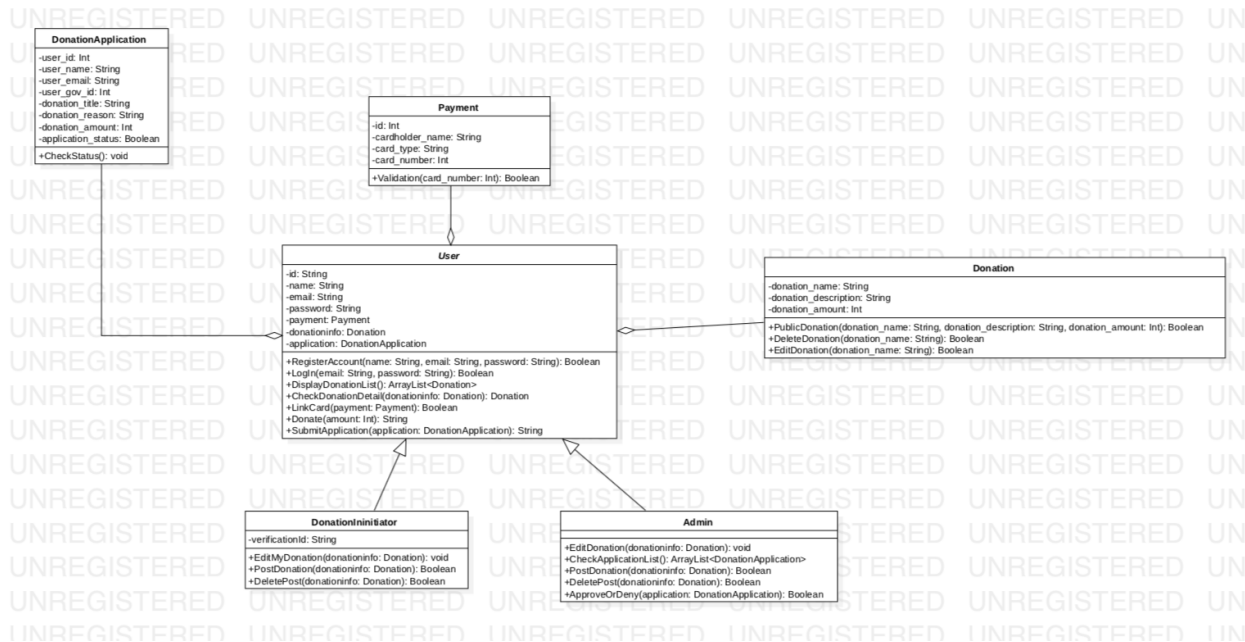
Project Requirements
U: User
A: Admin

ID	User Requirement
U1	Be about to register my own account
U2	Can use registered account to login the system
U3	Be able to initiate a donation once have the authorization
U4	Check the list of the donations existed and pick one that I'm interested in
U5	Be able to check the detail of a specific donation
U6	Be able to make the payment for the donation
A1	Be able to delete suspected(fake) donation.
A2	Be able to verify who are qualified to initiate a donation
A3	Be able to do the things regular user can do

Class Diagram

DonationApplication

-user_id: Int
-user_name: String
-user_email: String
-user_gov_id: Int
-donation_title: String
-donation_reason: String
-donation_amount: Int
-application_status: Boolean

+CheckStatus(): void

Payment

-id: Int
-cardholder_name: String
-card_type: String
-card_number: Int

+Validation(card_number: Int): Boolean

User

-id: String
-name: String
-email: String
-password: String
-payment: Payment
-donationinfo: Donation
-application: DonationApplication

+RegisterAccount(name: String, email: String, password: String): Boolean
+LogIn(email: String, password: String): Boolean
+DisplayDonationList(): ArrayList<Donation>
+CheckDonationDetail(donationinfo: Donation): Donation
+LinkCard(payment: Payment): Boolean
+Donate(amount: Int): String
+SubmitApplication(application: DonationApplication): String

Donation

-donation_name: String
-donation_description: String
-donation_amount: Int

+PublicDonation(donation_name: String, donation_description: String, donation_amount: Int): Boolean
+DeleteDonation(donation_name: String): Boolean
+EditDonation(donation_name: String): Boolean

DonationInitiator

-verificationId: String

+EditMyDonation(donationinfo: Donation): void
+PostDonation(donationinfo: Donation): Boolean
+DeletePost(donationinfo: Donation): Boolean

Admin

+EditDonation(donationinfo: Donation): void
+CheckApplicationList(): ArrayList<DonationApplication>
+PostDonation(donationinfo: Donation): Boolean
+DeletePost(donationinfo: Donation): Boolean
+ApproveOrDeny(application: DonationApplication): Boolean

UI MOCKUP

Mock up will be in terminal.

Input from user →

Welcome to Donation website
(1) Login

(2) No account? Sign up

(3) Exit

Input email
Input Pass word
(1) Login
(2) Cancel

Once user input ① will
check email and password
to see if there's a match

Login Page

Input Name
Input email
Input Password
(1) Submit
(2) Cancel

Sign up Page

(1) Submit donation receiving application
(2) Display Current donation list
(3) Manage my donation

Regular User

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(1) Submit donation receiving application
(2) Display Current donation list
(3) Manage my donation
(4) Post a donation
(5) Delete my donation

User have been approved

Donation 1
Donation 2
.
.
.
(1) Check donation (Input) detail
(2) Go Back

Donation List Page

Title _____

Description _____

Amount _____

(1) Donate

(2) Go Back

Donation Detail
Page

If already Linked a Card

Input: donation amount

(1) Donate
(2) Cancel

Link Card

If no card linked

Input Card number
Input Card type
Input Cardholder name
(1) Link
(2) Cancel

Link Card