

# **OOAD Project**

## **Project Deliverable 2**

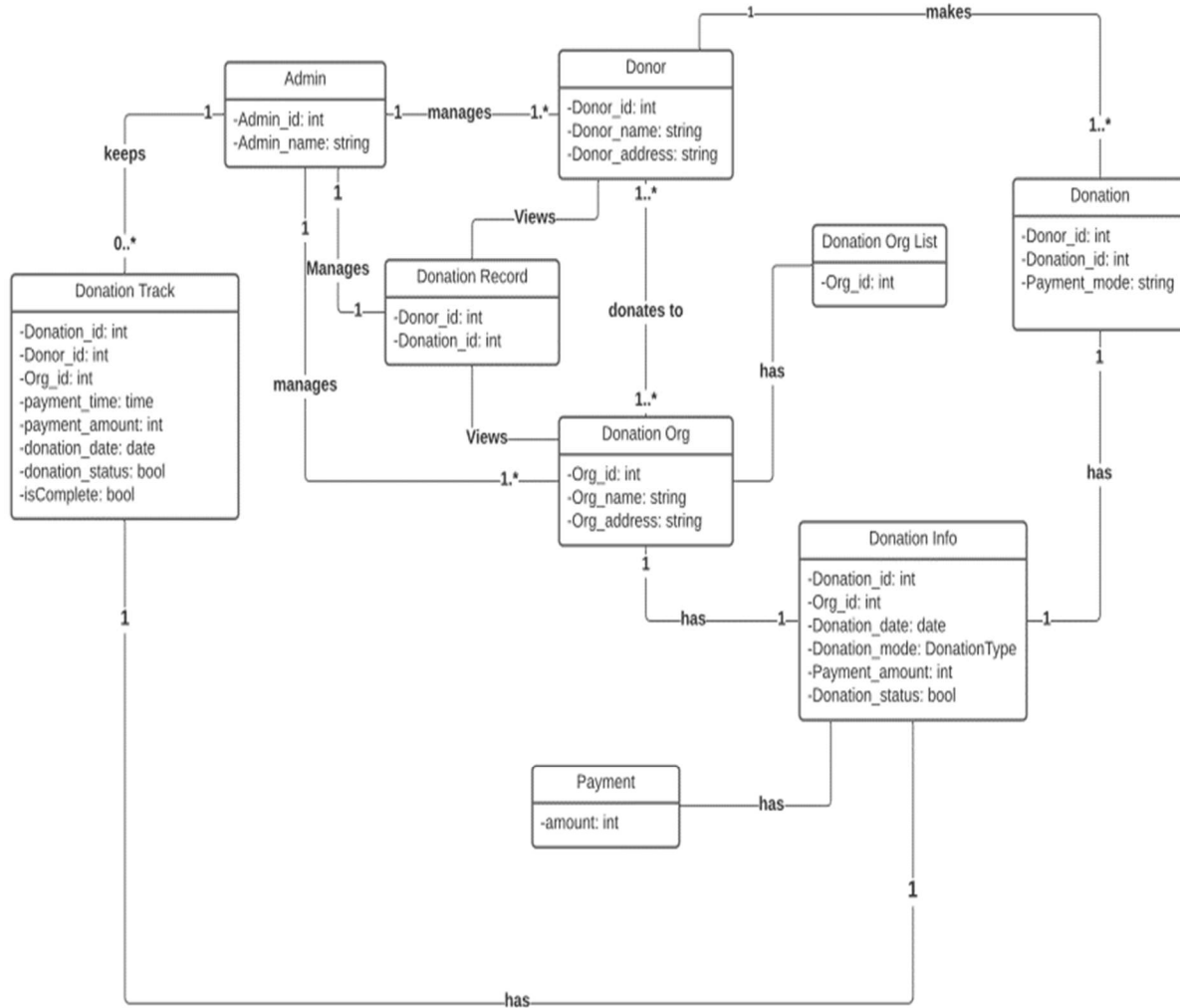
### **Topic:**

My Donation App

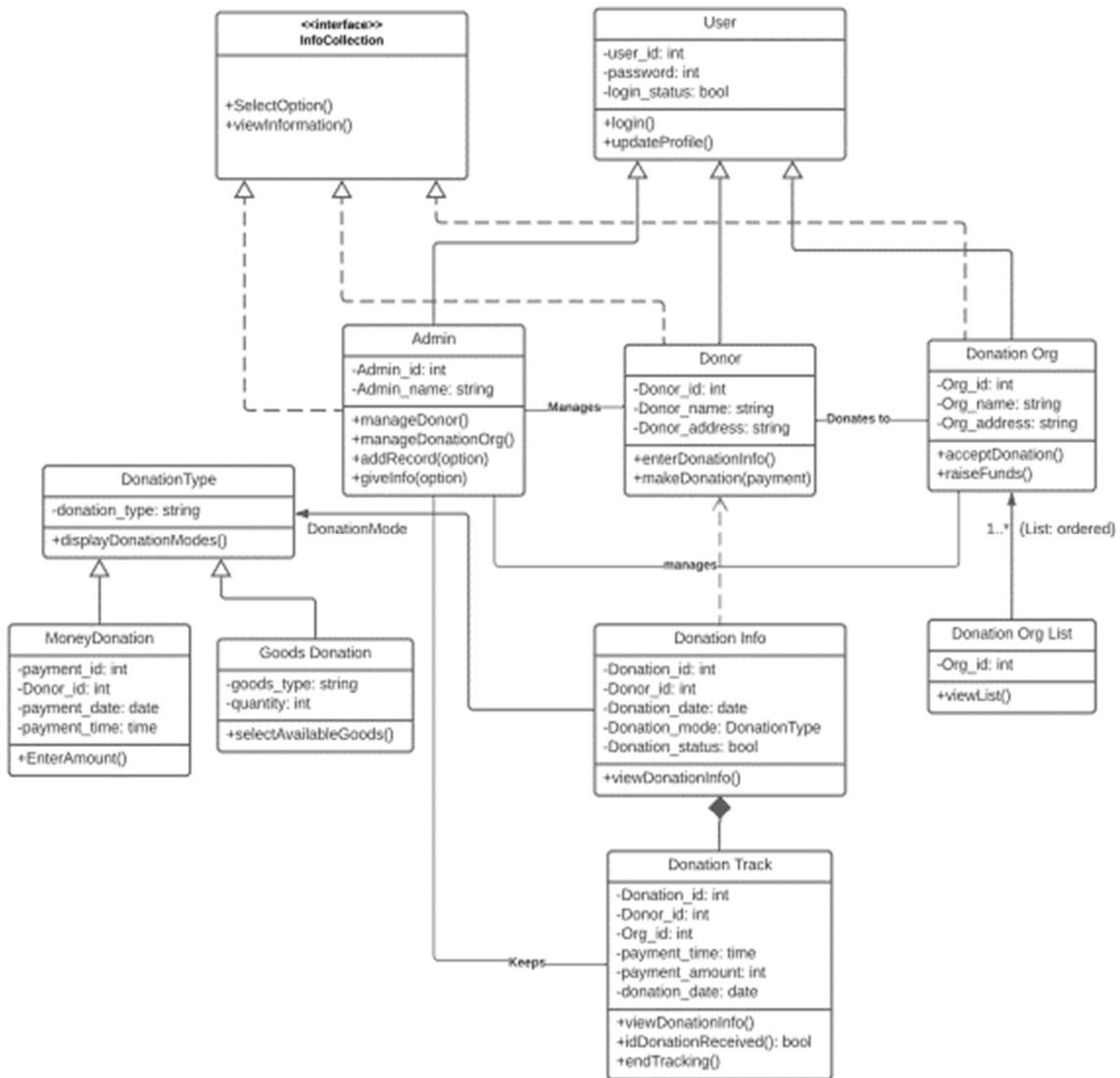
### **Team Members:**

- Atif Iqbal Butt (bsef19m001)
- Saad Rahman (bsef19m021)
- Usman Arshad (bsef19m038)

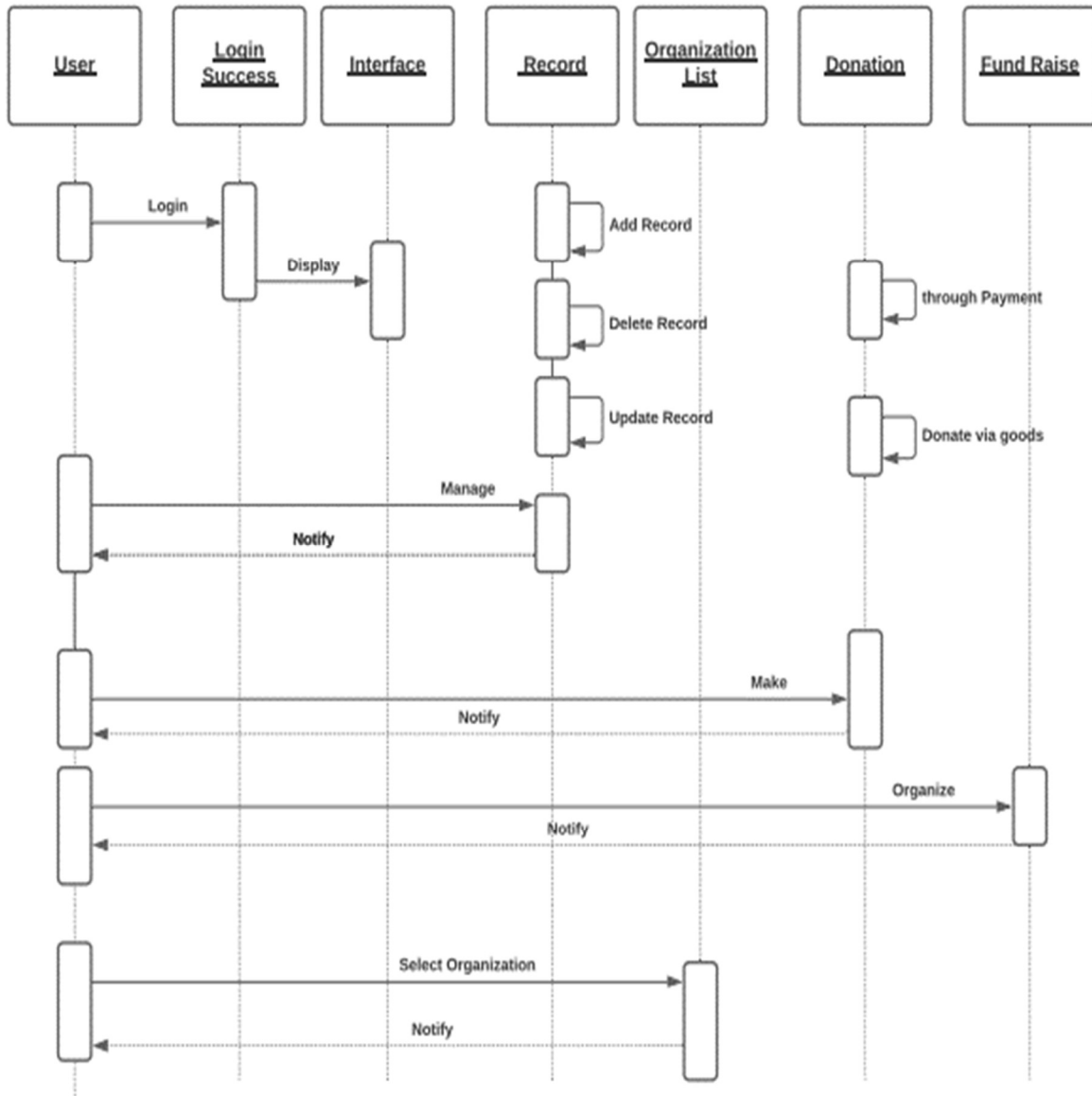
# Domain Model



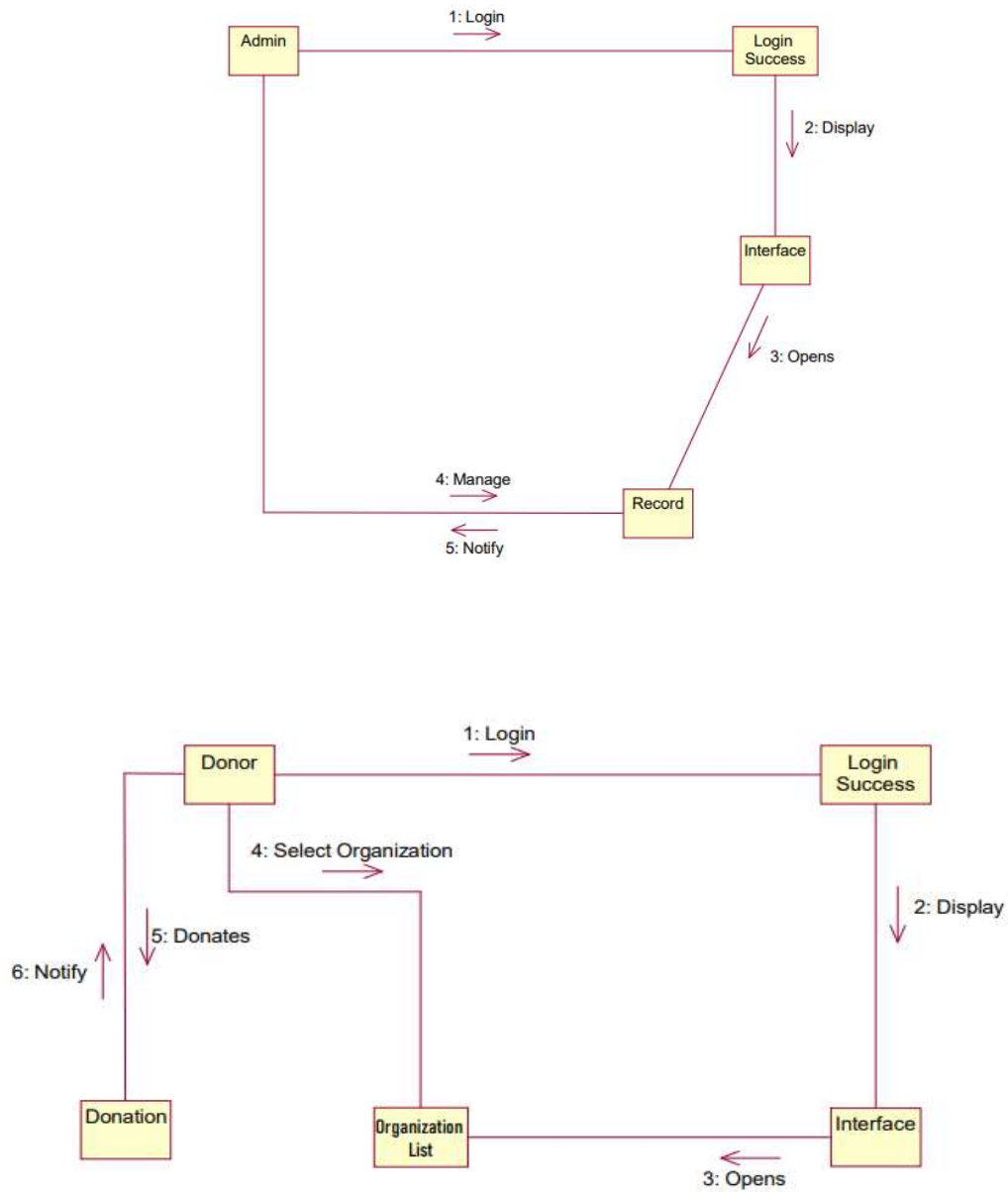
# Design Class Diagram

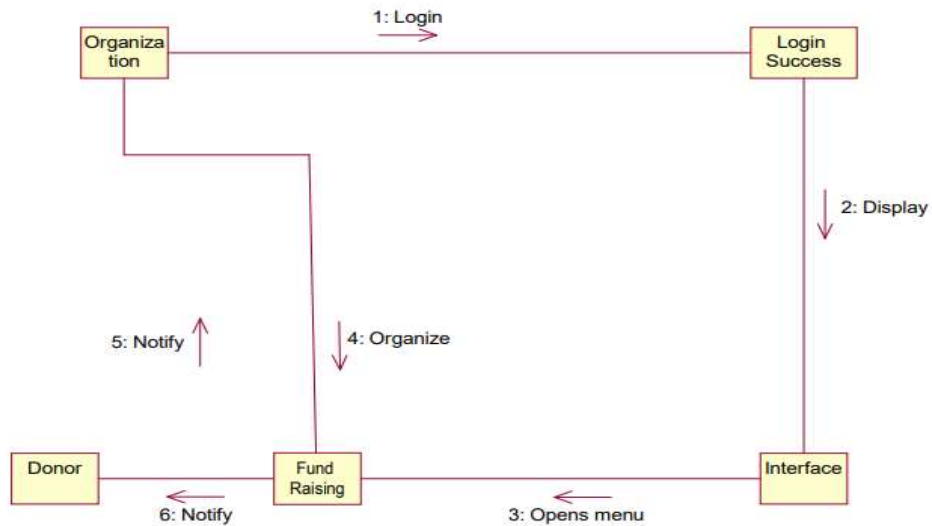


# Sequence Diagram



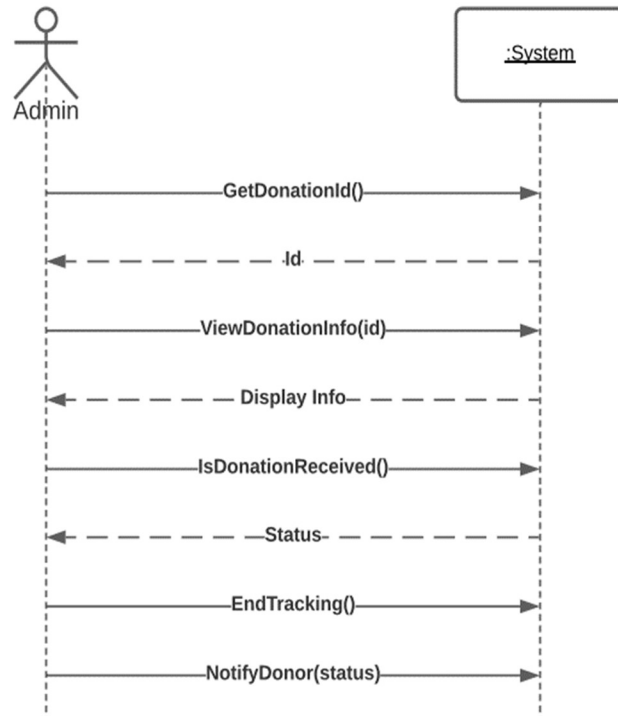
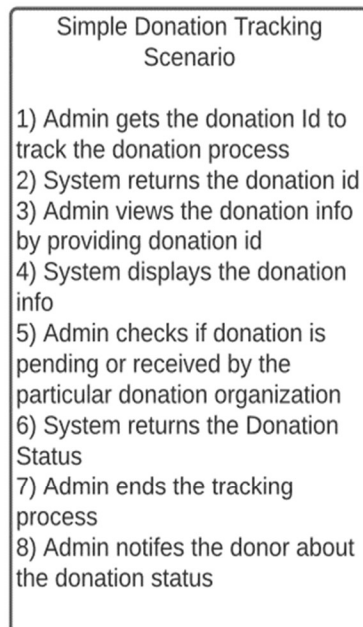
# Collaboration Diagram





## System Sequence Diagram

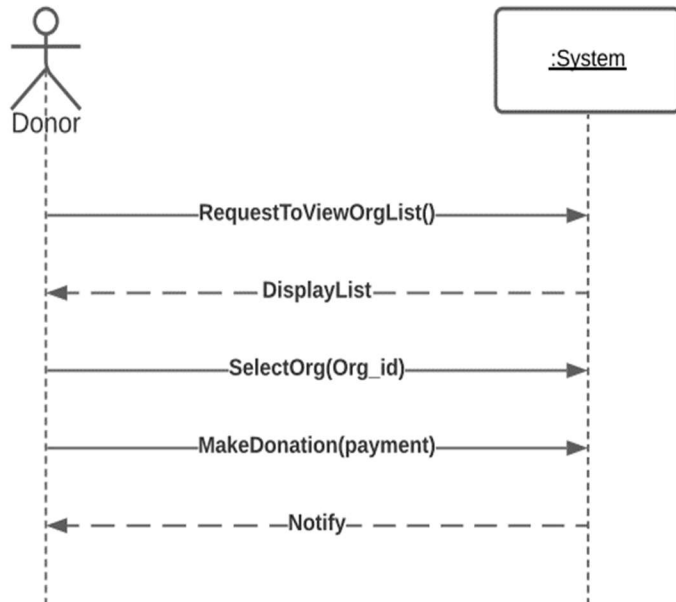
### Risk:



## **Business Value:**

### Simple Donation Process scenerio

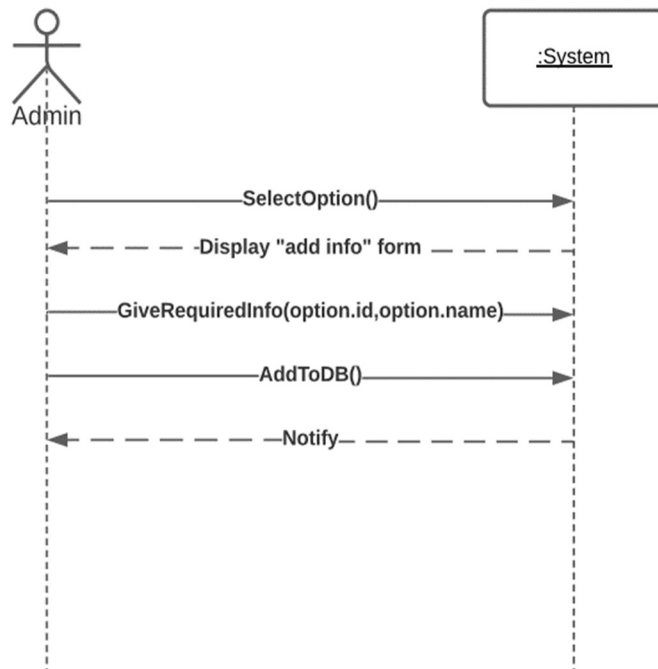
- 1) Donor logs the app and gets verified
- 2) Donor requests to system to view the list of donation organization
- 3) System displays the requested list
- 4) Donor selects the specific donation organization from list for donation
- 5) Donor makes donation and enters amount
- 6) System handles the payment
- 7) System notifies the donor



## **Architecture:**

### Simple Add record to system scenario

- 1) Admin selects the particular option (donor, organization) to add the record
- 2) System displays "add info" form of selected option
- 3) Admin provides the required info like id, name
- 4) System adds the record to database
- 5) System notifies the admin after adding the record



# **Use Case Contract**

## **Contract C01: Make Donation**

### **Operation:**

Make Donation (Payment: money)

### **Cross Reference:**

Use Case: Online Donation

### **Pre-Condition:**

Donor selects the organization for donation.

### **Post-Condition:**

- 1) Instance of Payment **p** was created (Instance Creation).
- 2) p.amount became Payment(Attribute Modification).
- 3)p was associated with Donation Info. (Association) (to add it with the historical log of completed donation)
- 4)p was associated with donation track (Association).

## **Contract C02: End Tracking**

### **Operation:**

EndTracking( )

### **Cross-Reference:**

Use Case: Track Donation

### **Pre-Condition:**

There is a donation underway.

### **Post Condition:**

Track.isComplete became true (Attribute Modification)



## **Contract C03: GiveRequiredInfo(option.id, option.name)**

### **Operation:**

Give Required Info (Donor d2.Donor\_id, Donor d2.Donor\_name)

### **Cross-Reference:**

Use Case: Add Record

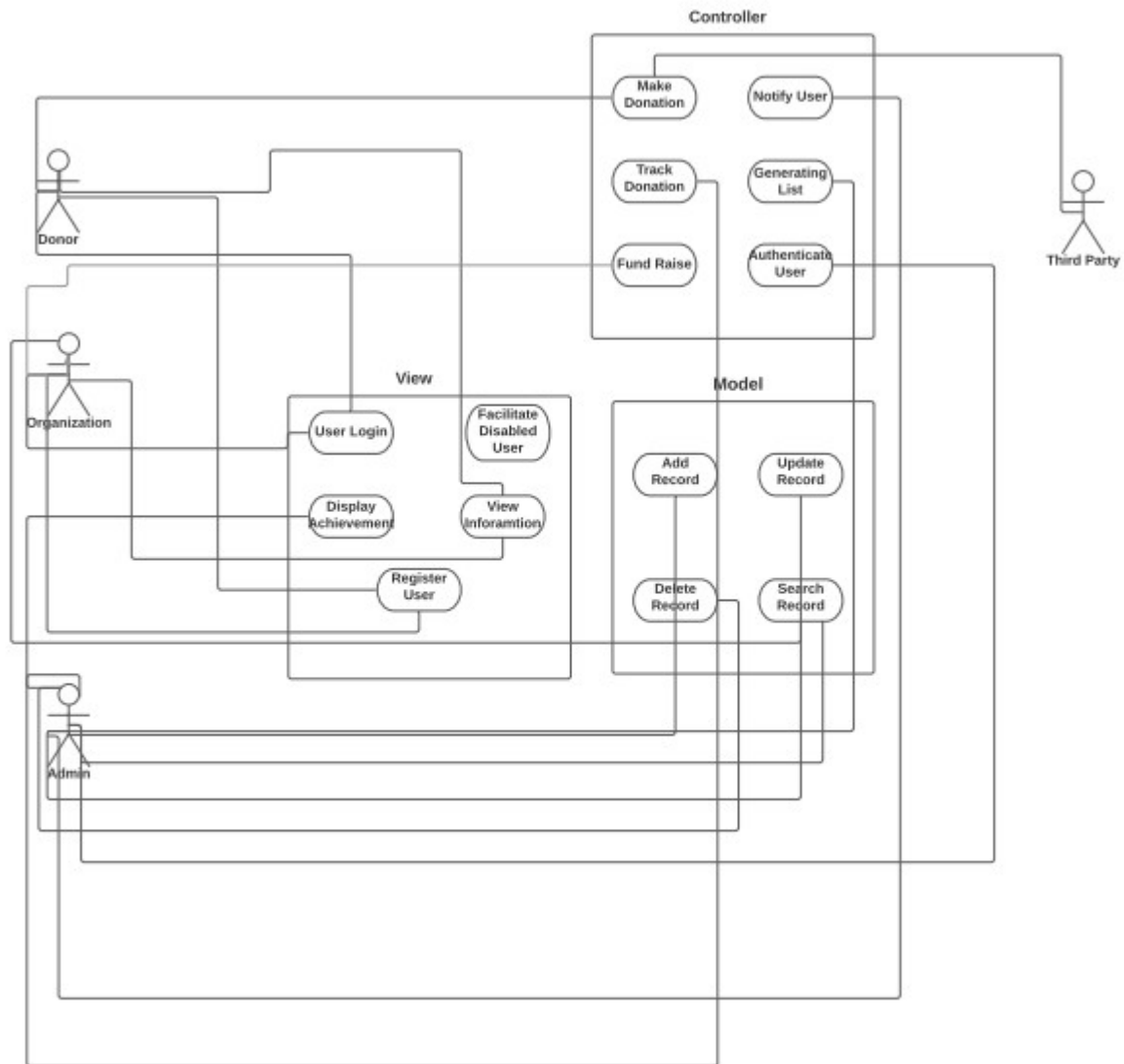
### **Pre-Condition:**

A new Donor information is received which has to be added in record.

### **Post-Condition:**





- 1) Instance of donor d1 was created (Instance Creation).
- 2) d1.Donor\_id became d2.Donor\_id.
- 3) d1.Donor\_name became d2.Donor\_name

# MVC



# Prototype

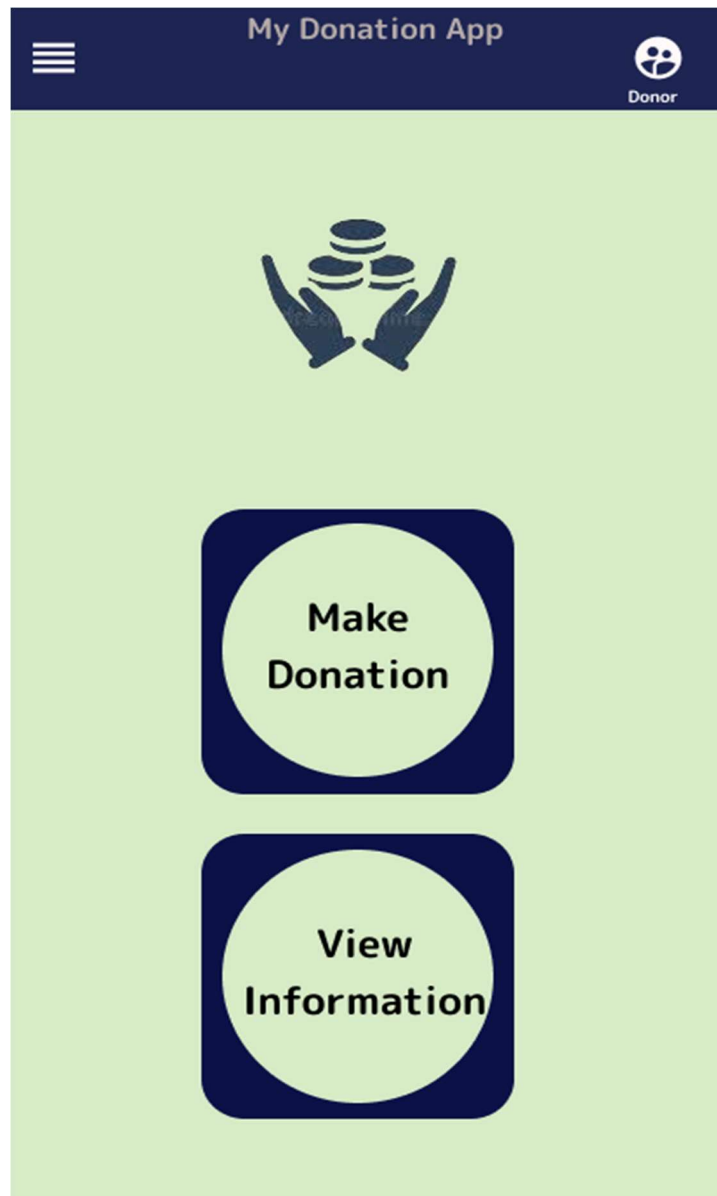
Login:

My Donation App	My Donation App
<div data-bbox="397 588 592 661"><h2>Sign In</h2></div> <div data-bbox="203 777 755 840"> <input data-bbox="284 787 755 840" type="text" value="Username"/></div> <div data-bbox="203 903 755 966"> <input data-bbox="284 913 755 966" type="password" value="Password"/></div> <div data-bbox="365 1060 633 1144"><div>Login</div></div> <div data-bbox="397 1176 592 1218"><a href="#">Forgot Password?</a></div> <div data-bbox="389 1239 600 1281"><a href="#">Create New Account</a></div> <div data-bbox="406 1386 584 1554"></div>	<div data-bbox="966 588 1282 661"><h2>Verification</h2></div> <div data-bbox="820 756 1380 819"><p>Enter code sent on your email...</p></div> <div data-bbox="868 903 1372 934"><div></div><div></div><div></div><div></div></div> <div data-bbox="950 1018 1291 1102"><div>Authenticate</div></div> <div data-bbox="1039 1176 1201 1218"><a href="#">Resend Code...</a></div> <div data-bbox="1031 1386 1209 1554"></div>

## Admin Interface:




## Donor Interface:




## Organization Interface:




## Add Record:




My Donation App

  
Admin

Add Record



Select User...

Donor

Organization



## Add Donor



Add Name

Add ID

Add Email

Add Address

Add Donor





## Update Organization



Add Name


Add ID

Add Email


Add Address

**Add Organization**

## Delete Record:





My Donation App



Admin

# Delete Record



Select User...

Donor

Organization



## Delete Donor



Select ID of Donor...



03451

03452

...

Delete Donor



## Delete Organization



Select ID of Organization...




03451

03452


...

Delete Org


## Update Record:




My Donation App

  
Admin


# Update Record




Select User...

Donor


Organization




My Donation App

  
Admin

## Update Donor



Select ID of Donor... 

Update Name

Update Email

Update Address

Update Donor



## Update Organization



Select ID of Organization...



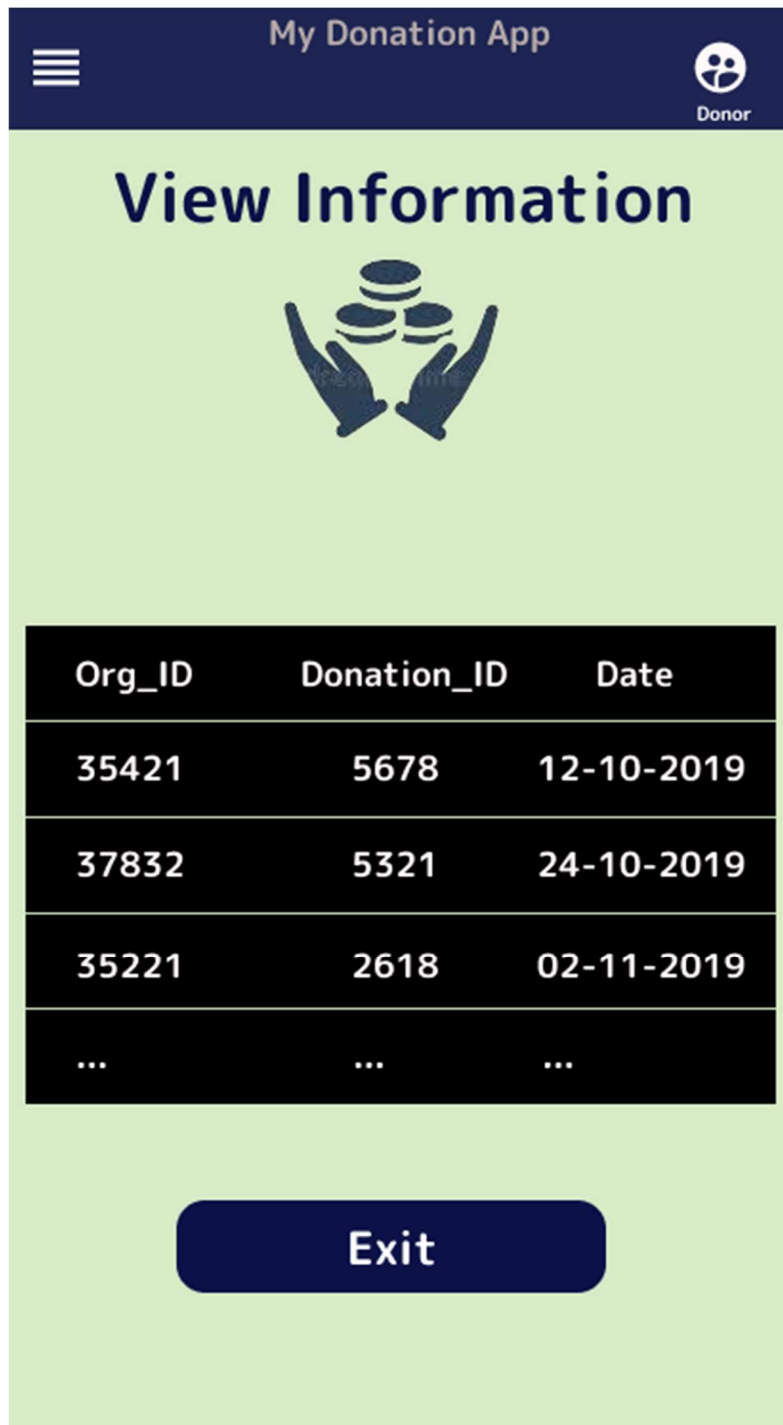
Update Name

Update Email

Update Address

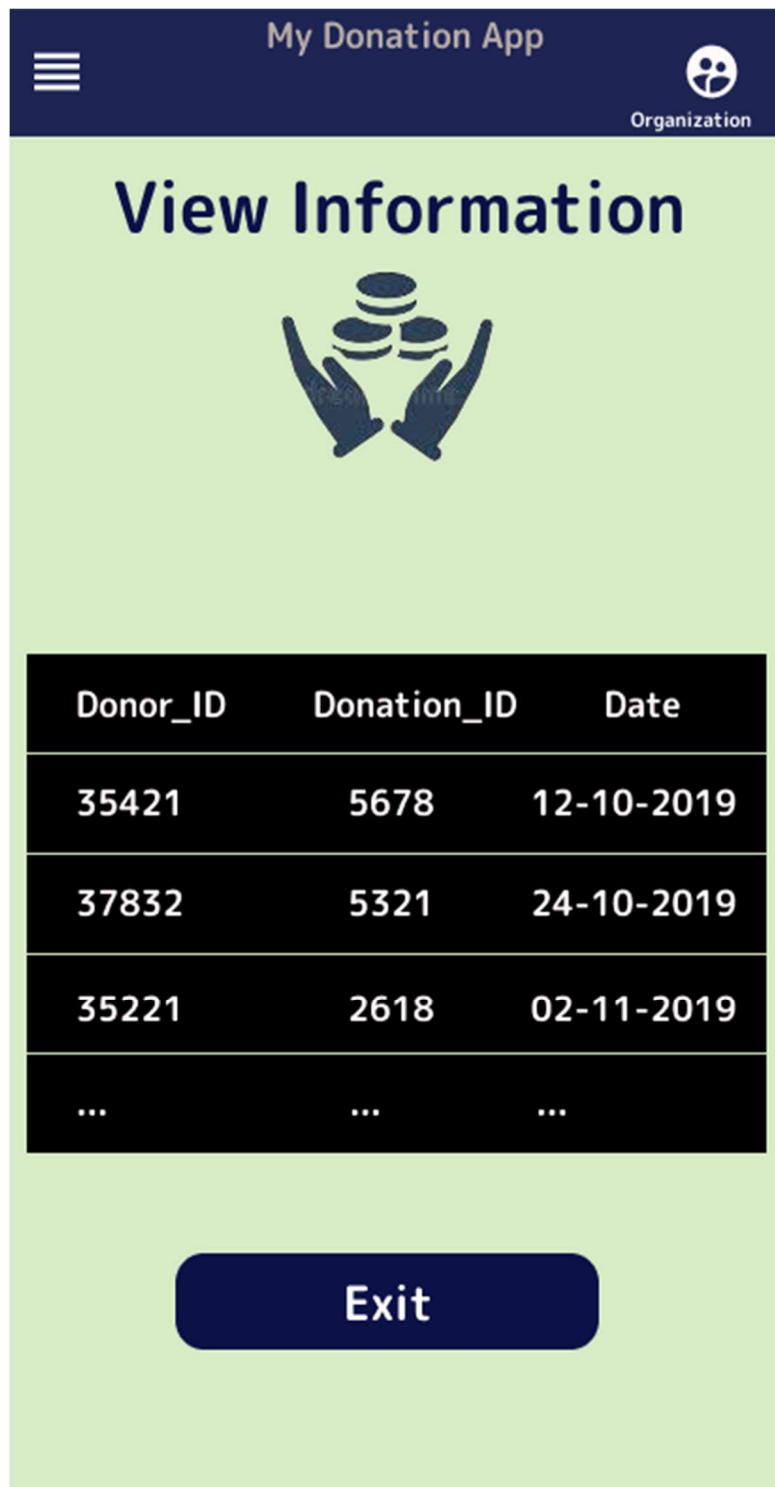
**Update Org**

## View Information Donor:






## View Information Organization:




## Track Donation:

☰

My Donation App

  
Admin

# Track Donation



Select Donation ID

▼

1234

1235...

Track Donation



My Donation App



Donor

## Track Donation




Org_ID	Donation_ID	Donor_ID	Status
--------	-------------	----------	--------

35421	5678	1210	True
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Exit

Notify Donor


Donation:




My Donation App

  
Donor

Make Donation




Select ID of Organization...

03451


03452

...


Donate



My Donation App

  
Admin

# Make Donation



☐ Donate Cash

☐ Donate Goods

Enter Amount

Card-Number

Bank Name

Card-Expiry

Donate