The Online Management System for The Bank of Clothes in

The Hashemite University

Faculty of Prince Al-Hussein Bin Abdallah II for Information Technology

The Hashemite University

Presented to:

Dr. Aladdin Hussein Abdel Lateef Baarah

Prepared by:

Mahmoud Ibrahim Mahmoud Abu Aqel Section: 2

Mohammad Hisham Saadat Al Kayali Time : 12/1

Bashar Mahmoud Ali AlAmoush Group: 8

Anfal Abdallah Ali AlDraidi

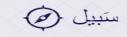
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Online Management System For The Bank Of Clothes in The Hashemite University



1. Preface:

This project is about developing an online system for the bank of clothes in the Hashemite University (HU), to manage clothes and money donations and their distributions.

Project:

• Mobile Application (Sabeel)

This project will be prepared by the following four students:

1- Mahmoud Ibrahim Mahmoud Abu Agel 1936150

2- Mohammad Hisham Saadat Al Kayali 1932562

3- Bashar Mahmoud Ali AlAmoush 1938983

4- Anfal Abdallah Ali AlDraidi 1932950

To present this system in an easy clear mode, we decided to divide the work based on the functions of the system according to actors' roles. Therefore, the system is composed of four users. Each student is responsible for executing all the demanded UML models for one user. Also, we used in this project the **DrawIO UML Tool** in modeling most of the requested diagrams except converting the Class Diagram to Database tables, we used **Microsoft Office Excel.** (All the requested UML Models are Attached with this document).

As for the tasks among the students, they were distributed as follows:

Mahmoud Ibrahim Mahmoud Abu Agel, 1936150:

- 1- Write and design the System's documentation.
- 2- Determine the name and the type of the system Mobile Application (Sabeel).
- 3- Writing and drawing all the scripts and use cases which related to **the Donor**, plus the login script and use case.
- 4- Combine all the actors' use cases and draw the Use Case Diagram of the Bank of Clothes System.
- 5- The Class Diagram of the Donor.
- 6- Combine all the classes of the system, refine, coordinate them and draw the Class Diagram of the Bank of Clothes System.
- 7- The sequence Diagram for Make Clothes Donation Use Case.
- 8- The CRC Index Card for the Donor Class.
- **9-** Mapping the Class Diagram to a Relational Database Tables (**the Donor**).

♣ Mohammad Hisham Saadat Al Kayali, 1932562

- 1- Writing and drawing all the scripts and use cases which related to **System Administrator**.
- 2- The Class Diagram of the System Administrator.
- 3- The Sequence Diagram of Manage the clothes sorting Use Case.
- 4- The CRC Index Card for the System Administrator Class.
- 5- Mapping the Class Diagram to a Relational Database Tables (System Administrator).

Bashar Mahmoud Ali AlAmoush, 1938983

- 1- Writing and drawing all the scripts and use cases which related to the Volunteer.
- 2- The Class Diagram of the Volunteer.
- 3- The sequence Diagram for View beneficiary information Use Case.
- 4- The CRC Index Card for beneficiary information Class.
- 5- Mapping the Class Diagram to a Relational Database Tables (the Volunteer).

🖊 <u>Anfal Abdallah Ali AlDraidi, 1932950</u>

- 1- Writing and drawing all the scripts and use cases which related to the Beneficiary.
- 2- The Class Diagram of the Beneficiary.
- 3- The Sequence Diagram of View the information of volunteer Use Case.
- 4- The CRC Index Card for the Beneficiary Class.
- 5- Mapping the Class Diagram to a Relational Database Tables (**the Beneficiary**).

2. System Architecture:

The system is designed to have two key components;

- Mobile Application (Sabeel)
- 4 Users:
- O Donors (Done by Mahmoud Ibrahim Mahmoud Abu Aqel / 1936150)
- System Administrator (Done by Mohammad Hisham Saadat Al Kayali / 1932562)
- One by Bashar Mahmoud Ali AlAmoush / 1938983)
- o Beneficiaries (Done by Anfal Abdallah Ali AlDraidi / 1932950)

3. The Use Case Model (Script & Diagram)

In this section we will describe in details the use case diagram of the bank of clothes system which represents the functionality of the system from the user's point of view, and we will divide the functions of the system according to actors' roles. First, we will start with the Donor's functions, then Admin's responsibilities, after that Volunteer's functions and finally with Beneficiary's functions.

3.1 The Donor

<u>Use case name</u>	<u>Login</u>
Actors Pre-Condition Basic flow	Donor, System Administrator, Volunteer, Beneficiary. System must be connected to the network 1- Inter username 2- Inter password 3- Validate username and password 4- Allow access to system
Alternative flow	[Invalid name/password] At step 3 if the user name/ password is incorrect, the system shows an error message, The actor can choose to either return to the begginig of the basic flow or cancel the login at which point the use case ends.
Special requirments Post-Condition	None If the use case was successfull, the actor is now logged into the system, if not the system state is unchanged.

Use case name	Make Money Donation
Actors	Donor
Pre-Condition	Actor must be connected to the network
Basic flow	1- Include (Login)
	2- Actor click donation form tab
	3- System shows new page with lots of details to be filled.
	Includ (Fill out donation form)
	4- Once the actor provides the requested information, He/she shall
	click at money donation tab,
	5- Include (make payment)
	6- Once the donar has made his/her donation successfully
	a confirmation email will be sent to him/her.
Alternative flow	None
Special requirments	None
Post-Condition	If the use case was successful, the donation of money is submitted,
	otherwise its cancelled.

(Make Payment) Use case name Actors **Donor Pre-Condition** The actor has choosen money donation Basic flow 1- The actor has to make a payment 2- There are two options for payment, either the actor selects a credit card payment method or paypal payment method 3- If he/she selects credit card payment, 4- Include (Insert credit card info) 5- Otherwise he/she can select paypal payment method. 6- The actor shall be able to confirm the payment by clicking the confirm button. 7- Once the donar has made his/her donation successfully a confirmation email will be sent to him/her. Alternative flow [Cancel/Refund money] at step 4,5,6 or 7, while or after the doner has made the payment, but he/she changed his/her mind for any reason and wants to cancel/refund his/her money, he/she shall communicate with the bank of clothes either by email or by phone and requesting refund, the system shall transfer the money to his/her bank account during 3-7 working days. Special requirments None Post-Condition If the use case was successful, the money donation is deposited at the bank of clothes bank account, otherwise no changes happened.

Use case name	Fill out Donation Form
Actors	Donor
Pre-Condition	Actor shall be logged in.
Basic flow	1- System shows new page with lots of details to be filled.
	2- Actor shall inter his/her forename and family name
	3- Actor shall inter his/her email and contact no.
	4- Actor shall inter his/her full address, city/state/street/postal code
	5- Actor press on OK button.
Alternative flow	None
Special requirments	None
Post-Condition	If the use case was successful, the donor will choose the type of donation.

Use case name	(Insert Credit Card Info)
Actors Pre-Condition Basic flow	 Donor The actor selects credit card payment 1- The actor has to inter the type of the credit card 2- The actor shall inter the written name at the credit card. 3- The actor shall inter the NO. of the credit card. 4- The actor shall inter the expiration date of the card.
Alternative flow Special requirments Post-Condition	5- The actor shall inter the CVV no. Of the card. None None The actor confirm the payment by clicking the confirm button.

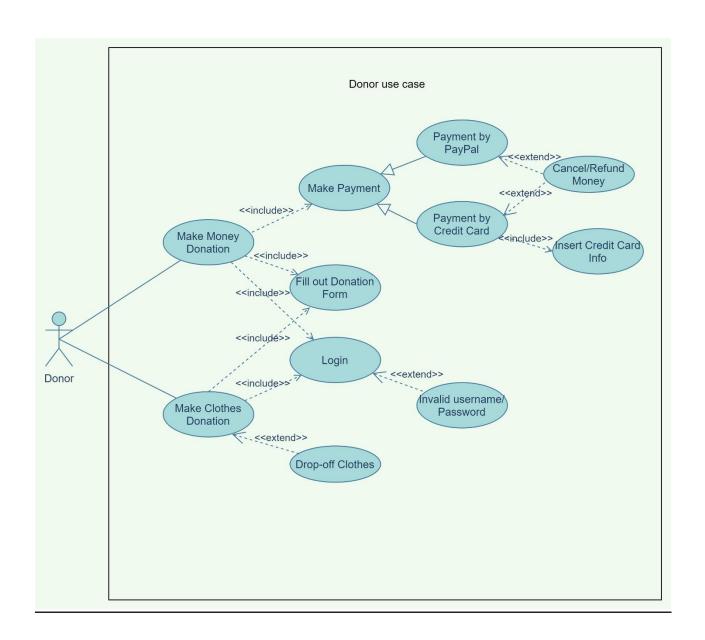
Use case name	Make Clothes Donation
Actors	Initiated by Donor , Communicated with Volunteer
Pre-Condition	Actor must be connected to the network
Basic flow	1- Include (Login)
	2- Actor click donation form tab
	3- System shows new page with lots of details to be filled.
	Includ (Fill out donation form)
	4- Once the actor provides the requested information, He/she shall
	click at clothes donation tab,

5- The actor click clothes discription button to specify the type, the gender and the number of the provided pecies.

- 6- The actor click scheduling a pick-up button and inter the location,date and the time of picking-up.
- 7- Otherwise he/she can drop-off donations to the bank location.

Alternative flow [Drop-off donations] At step 7 the donor can drop-off his/her donations to the bank location at any time he or she prefers with the cooperating with the volunteer instead of scheduling a pick-up, and the Volunteer will communicate with the donor as soon as he/she choose his/her type of donation.

Special requirments None Post-Condition the volenteer will communicate with the donor to detrmin when and where can he/she pick-up the donations.



3.2 The System Administrator

Use case name

Manage Bank Account

ese case name	Training Dainy recount
Actors Pre-Condition Basic flow	System Administrator Actor must go to the bank 1. The System administrator gives the bank employee the clothing bank bank card and the card information 2. The System administrator can transfers money to a clothing factory 3. The System administrator can withdrow funds if needed
Alternative flow	(Use bank account) At step 2 System Administrator can use bank account app, he\she will 1- Login using user name and password 2- Choose make transfer then he\she will fill the form of transfer money. 3-The system will send Confirmation message showing some information about money transfer process
Special requirments Post-Condition	None If the use case was successful, A change occurs in the bank account (An increase in the case of deposit, a decrease in the case of transfer to factories)
Use case name	View users information
Actors Pre-Condition Basic flow	System Administrator Actor must be connected to the network 1. Include (Login) 2. Actor Choose View users information 3. System will open new page that show the users information (Beneficiaries, The Donor and the volunteer)

Alternative flow (Modify users information)

In step 2 If there is an error in the information about the users the System

Administrator can modify their information

Special requirments None

Post-Condition If the use case was succesful, The Administrator can show

the information about all users.

Use case name Communicate with volunteers and Beneficiaries

Actors System Administrator

Pre-Condition Actor must be connected to the network

Basic flow

1. Include (Login)

2. Actor will write the name for who want to Communicate with him and

3. The system will open new page to chat with that user (like microsoft team chat)

4. Then the Administrator write his message and click on send button

Alternative flow None

Special requirments None

Post-Condition If the use case was successful, the message will arrive to the user

<u>Use case name</u> <u>Manage the clothes sorting</u>

Actors System Administrator

Pre-Condition Actor must be connected to the network

Basic flow

1. Include (Login)

2. Actor Chose take a look at clothes sorting.

3. The system open new page this page will show the type

of the clothes and the number of each type.

Alternative flow (Add a new clothes type)

If someone donated with new type of clothes (Type not found in the

system)

Special requirments None

pecial requirments 140mc

Post-Condition If the use case was successful, The Administrator can show the sorting of

all type of clothes in the system

<u>Use case name</u> <u>Dealing with factories</u>

Actors System Administrator

Pre-Condition Actor must be connected to the network and open his email

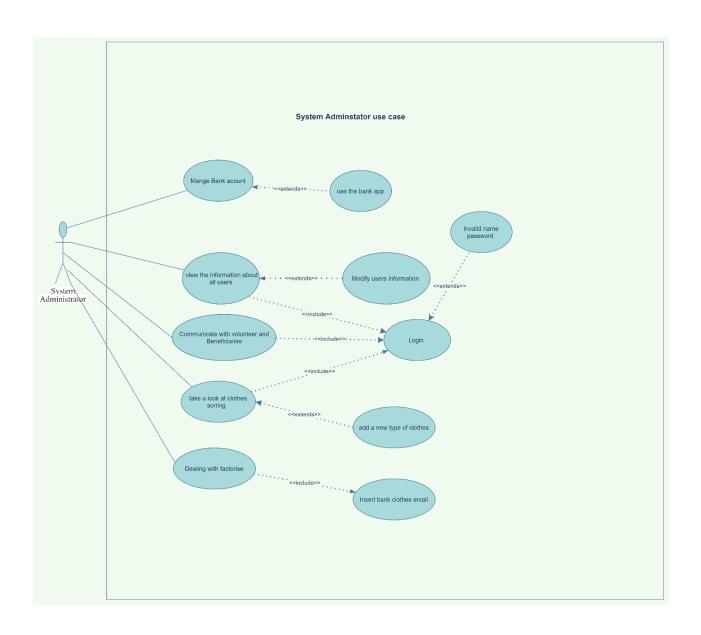
Basic flow 1. Include (Insert bank clothes email)

2. Actor write to who will send the email(factory)

3. Actor will write the massege and click on send button

Alternative flow None Special requirments None

Post-Condition If the use case was successful, The message will arrive to the factory



3.3 The Volunteer

Use case name: Sort the clothes

Actors: the volunteer

Pre-Condition: should the volunteer be in the place where sort clothes.

Basic flow: 1- the Volunteer sort the clothes depending on the type of clothes

2- the volunteer sort the clothes depending if it new or used.

3- if it new he/she shall not wash it.

4- if it used include (wash usable clothes)

5-after wash the clothes put into packages.

Alternative flow: [get rid of faulty clothes] at step 1, After volunteer, sort the clothes, he/she classify the clothes whether they are useful or useless for the beneficiary, in that case the volunteer shall get rid of the useless or faulty clothes or recycle it.

Special requirements: None

Post conditions: the volunteer end from sort clothes when there is no clothes to sort.

<u>Use case name</u>: <u>view donors information</u>

Actors: the volunteer

Pre-Condition: the volunteer should connect with internet.

Basic flow: 1- include [login to the system]

2- click view ,to view the information of donor (location and phone number).

3- go to the donor location to collect the clothes.

4- back to place -where sort clothes - and put clothes to sort it.

Alternative flow: None

Special requirements: None

Post condition: after put clothes on place of sort clothes, the volunteer click done to view on the system the clothes had collected from donor.

Use case name: view beneficiary information

Actors: the volunteer

Pre-Condition: the volunteer should connect with internet.

Basic flow: 1- include [login to the system]

2- click view ,to view the information of beneficiary (location and phone number).

3- put the package in the car and go to the place where beneficiary live.

4-the volunteer Deliver the package to the beneficiary.

Alternative flow: None

Special requirements: None

Post condition : after delivery the package , the volunteer click done to view on the system

the package had delivery.

<u>Use case name</u>: <u>fill volunteer form</u>

Actors: the volunteer

Pre-Condition: the volunteer should connect with internet.

Basic flow: 1- include [login to the system]

2- click fill form volunteer ,to show the form .

3- the volunteer enter his /her information (like number phone and free

time to volunteer)

4- the system send verification code to phone number to confirm the form of

volunteer.

5- enter verification code and click confirm.

Alternative flow: at step 3[incorrect information], when the volunteer enter his / her information may be there's info not incorrect or not be like specific form, the system shown massage "the phone number incorrect" or any type of info.

Special requirements: None

exit conditions: show to the volunteer his/her profile in the system.

<u>Use case name</u>: <u>put the clothes in package</u>

Actors: the volunteer

Pre-Condition: should the volunteer be in the place where clothes packaging.

Basic flow: 1- the volunteer have the empty package

2- [include] the volunteer see what the beneficiaries want on the system.

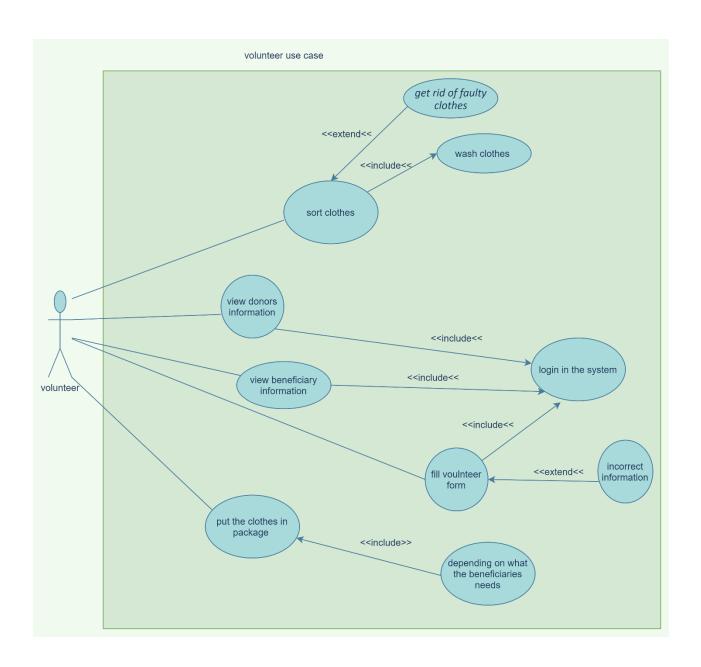
3- the volunteer put the clothes in package depending what beneficiaries wants.

4- close the package and take the package on place to shipping it to needy.

Alternative flow: None

Special requirements: None

Post conditions: when the time is end or there is no clothes to package it.



3.4 The Beneficiary

<u>Use case name</u>	Fill Beneficiaries Form
Actors Pre-Condition Basic flow	Beneficiaries Actor shall be logged in . 1. clicks fill beneficiaries form
	2. Actor inter the forename and family name
	3. Actor inter the email and contact no.
	4. Actor inter the full address, city/state/street address
	5. Actor press on ok button.
Alternative flow Special requirments Post-Condition	[Saved data] At step 5 if the actor fill the form before, the system shows a message "you fill the form before, "The actor click in cancel. None If the use case was successful, the Beneficiaries info will be saved.
Use case name	View the information of volumteer
Actors	Beneficiaries
Pre-Condition	Actor must be connected to the network.
Basic flow	1. Include(login)
	2. Include(fill the form)
	3. Click on show details
	4. System show volunteer details (name, contact number, and the address).
	5. Actor looking in the detail
	6. Actor can connect with the volunteer if he/she wonders about the package
Alternative flow	[Nothing to receive]
	At 1 2 3 or 4 if the actor does not have any package to receive he/she can fill the form include fill out beneficiaries.
Special requirments	none
Post-Condition	The actor will communicate with the volunteer to determine receipt details.

<u>Use case name</u> <u>Send back the clothes</u>

Actors **Beneficiaries**

Pre-Condition Actor shall be receive the package.

Basic flow 1. Actor choice send back clothes

2. Include [View info of volumteer]

3. Actor communicate with the volunteer

4. Volunteer make the necessary measures

5. Actor receive the clothes to the volunteer

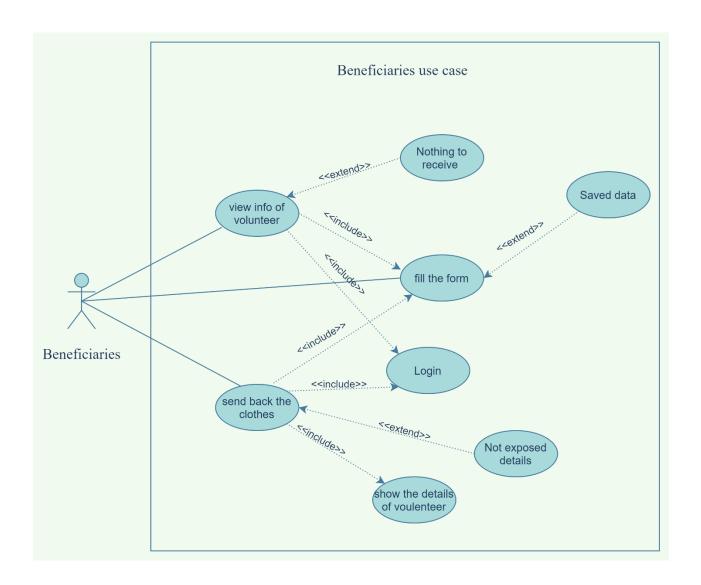
Alternative flow [Not exposed details]

At 2 or 3 If the actor couldn't communicate with the volunteer, he/she can donate the clothes for anther people who need by the system or

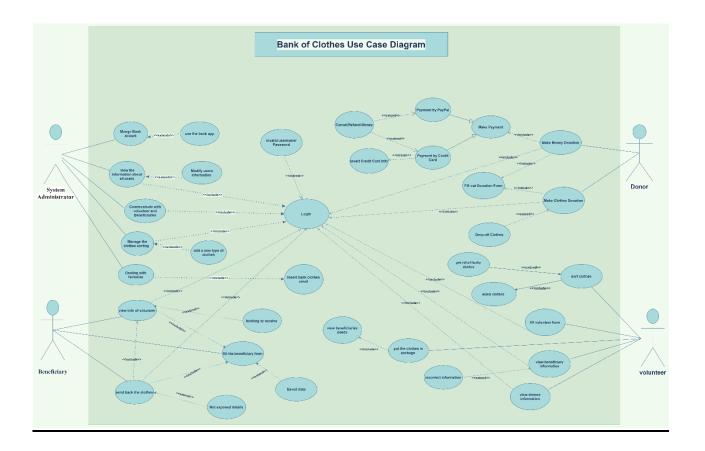
for people who know.

Special requirments None

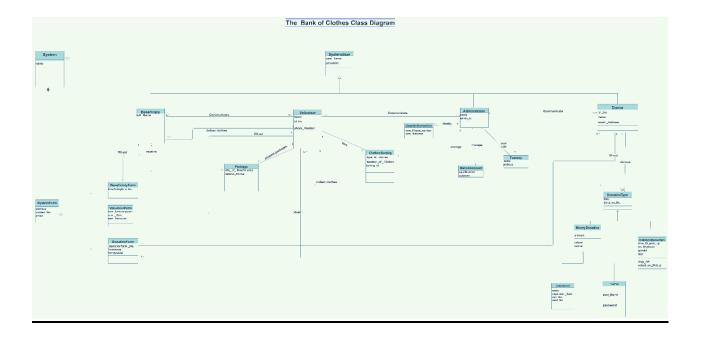
Post-Condition The actor will send back the clothes that he/she does not needed.



***** The Use Case Diagram of the Bank of Clothes System

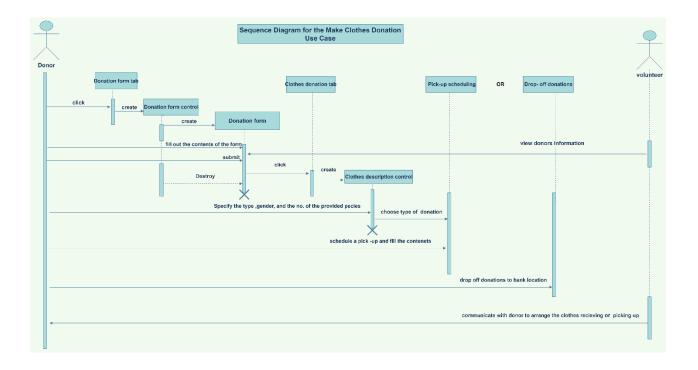


4. The Class Diagram of the Bank of Clothes System

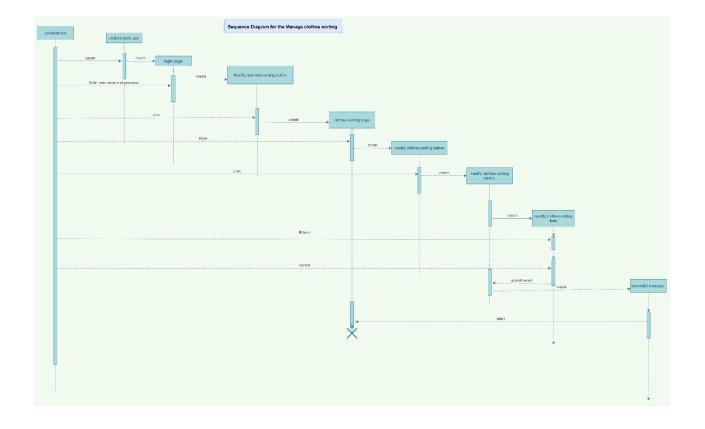


5. The Sequence Diagram of the Bank of Clothes System

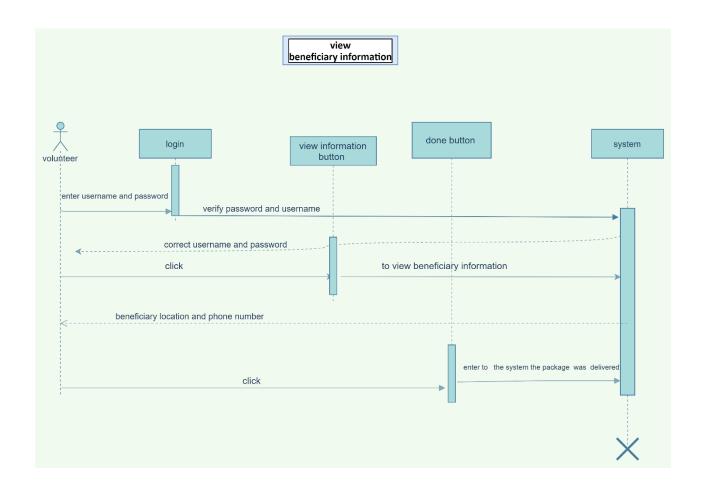
<u>5.1 The Donor</u> (Make Clothes Donation Use Case)



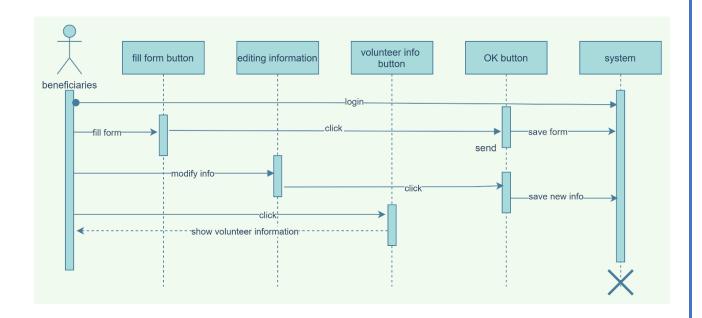
5.2 The System Administrator (Manage the clothes sorting Use Case)



5.3 <u>The Volunteer</u> (View beneficiary information Use Case)



5.4 The Beneficiary (View the information of volunteer)



6. Class - Responsibility - Collaborator (CRC Model)

6.1 CRC Index Card for the Donor Class

	Donor	
Knows name & e-mail		
Knows address		
Fill out the donation form	Donation form	
Drop-off donations		
Scheduale a pick-up	Volunteer	
Knows credit card details		
Selects type of payment		
Cancel the payment	System	
Make payment	System	

6.2 CRC Index Card for <u>the System Administrator Class</u>

System Adn	ninstrator
knows the info about users	
take a look at clothes sorting	
communicate with users	
mange bank acount	bank

6.3 CRC Index Card for the beneficiary information class

beneficiary information
ame beneficiary -system hone number beneficiary ocation beneficiary all the beneficiary

6.4 CRC Index Card for the Beneficiary

ystem
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7. Mapping the Class Diagram to a Relational Database Tables

7.1 <u>The Donor Database Tables</u>

Donor Table *

Donor ID	Name	Email Address
11111	Mahmood	mahmoud@yahoo.com
11112	Ahmed	2001@hotmail.com
11113	Ali	
11114	Yousef	

1 Volunteer Table

<u>Volunteer</u> <u>ID</u>	Name	Phone No.
22222	Alaa	799454783
22223	Yazan	
22224	Yara	
22225	Dana	

One - to - Many associations

Donor Table

Volunteer ID (FK)	<u>Donor ID</u>	Name	Email Address
22222	11111	Mahmood	
22223	11112	Ahmed	
22224	11113	Ali	
22225	11114	Yousef	

Donor Table 1

Donor ID	Name	Email Address
11111	Mahmood	mahmoud@yahoo.com
11112	Ahmed	2001@hotmail.com
11113	Ali	
11114	Yousef	

***** Donation Form Table

Donation		Family
Form No.	Forename	name
22222	Mahmood	Ibrahim
22223	Ahmed	Nasser
22224	Ali	••••
22225	Yousef	••••

One - to - Many associations

Donation Form Table

Donor ID (FK)	Donation Form No.	Forename	Family name
11111	22222	Mahmood	Nasser
11112	22223	Ahmed	
11113	22224	Ali	
11114	22225	Yousef	

Donation Type Table

<u>Donation</u>	
<u>No.</u>	Date
1	1/1/2021
2	1/1/2021
3	1/1/2021
4	1/1/2021

Horizontal mapping (Inheritance)

Money Donation Table

Donation No.	Date	Amount
1	1/1/2021	50 JD
2	1/1/2021	10 JD
3	1/1/2021	3 JD
4	1/1/2021	100 JD

Clothes Donation Table

Donation No.	Date	Gender	Size	No. of pieces	Time of pickup
1	1/1/2021	male	L	3	6:00 PM
2	1/1/2021	female	XL	10	11:00 AM
3	1/1/2021	male	S	6	4:30 PM
4	1/1/2021	female	М	12	9:00 AM

Money Donation Table

-
Amount
50 JD
10 JD
3 JD
100 JD

Horizontal mapping (Inheritance)

Credit Card Table

Expiration Card No. Name CVV No. Date Amount 50 JD Mahmood 50 JD 1/1/2021 1/2/2021 10 JD 2 Ahmed 10 JD 30/1/2021 3 3 JD Ali 3 JD 100 JD 4 Yousef 100 JD 31/5/2021

PayPal Table

Amount	<u>User Name</u>	Password
50 JD	1	Dddd8678*
10 JD	2	
3 JD	3	
100 JD	4	

Donar Table

*	

<u>Donar</u> <u>ID</u>	Name	Email Address
11111	Mahmood	mahmoud@yahoo.com
11112	Ahmed	2001@hotmail.com
11113	Ali	
11114	Yousef	

1 Administrator Table

Name	Admin ID
Kayali	1

One - to - Many associations

Donar Table

Admin ID (FK)	Donar ID (PK)	Name	Email Address
1	11111	Mahmood	mahmoud@yahoo.com
1	11112	Ahmed	2001@hotmail.com
1	11113	Ali	
1	11114	Yousef	

7.2 The Administrator Database Tables

Users Information Table *

New phone No.	New Address
79222222	Zarqa
782345678	Amman
778866565	Amman
795656553	Zarga

1 Administrator Table

Admin ID	Name
1	Kayali

One - to - Many associations

Users Information Table

	New phone	
Admin ID (FK)	<u>No.</u>	New Address
1	79222222	Zarqa
	782345678	Amman
	778866565	Amman
	795656553	Zarqa

Vo	lunteer Table <mark>'</mark>	k

<u>Volunteer ID</u>	Name	Phone No.
22222	Alaa	799454783
22223	Yazan	
22224	Yara	
22225	Dana	

1 Administrator Table

Admin ID	Name	
1	Kayali	
	Kayali	
	Kayali	
	Kayali	

One - to - Many associations

Volunteer Table

Admin ID	Voluntoor ID	Nama	Phone No.
Aumin ID	<u>Volunteer ID</u>	Name	Priorie No.
1	22222	Alaa	799454783
	22223	Yazan	
••••	22224	Yara	
••••	22225	Dana	

Donar Table *

<u>Donar</u> <u>ID</u>	Name	Email Address
11111	Mahmood	mahmoud@yahoo.com
11112	Ahmed	2001@hotmail.com
11113	Ali	
11114	Yousef	

1 Administrator Table

Name	Admin ID
Kayali	1

One - to - Many associations

Donar Table

Admin ID (FK)	<u>Donar ID</u>	Name	Email Address
1	11111	Mahmood	mahmoud@yahoo.com
	11112	Ahmed	2001@hotmail.com
	11113	Ali	
	11114	Yousef	

Clothes Sorting Table *

Sorting ID	Type of clothes	No of clothes
0001	Shirt	123
0002	Trousers	542
0003	Bouses	300
0004	Shorts	1000

1 Administrator Table

Name	Admin ID
Kayali	1

One - to - Many associations

Clothes Sorting Table

Admin ID	Sorting ID	Type of clothes	No of clothes
1	0001	Shirt	123
	0002	Trousers	542
	0003	Bouses	300
	0004	Shorts	1000

Factory *

<u>Name</u>	Address
Alkopra	Zarqa
	Amman
••••	Marka
	Zarga

1 Administrator Table

Name	Admin ID
Kayali	1
	••••

One - to - Many associations

Factory

Admin ID	<u>Name</u>	Address
1	Alkopra	Zarqa
		Amman
		Marka
		Zarqa

Bank Account Table 1

Card No.	Password
2222	1122
3333	2233
4444	
5555	

1 Administrator Table

Name	Admin ID
Kayali	1

One - to - one association

Bank Account Table

Admin ID	<u>Card No.</u>	Password
1	2222	1122
	3333	2233
	4444	
	5555	

7.3 <u>The Volunteer Database Tables</u>

Volunteer table

Volunteer ID : int	Name :string	Phone no : int
1	Bashar	123456789
2	Mahmoud	456983217
3	Ali	789321456

Beneficiary table

Beneficiary no : int	Full name : string
<u>111</u>	<u>Bashar</u>
<u>222</u>	<u>Mahmoud</u>

Many to many association

Volunteer id :int	Beneficiary no : int
1	<u>111</u>
2	<u>222</u>

Volunteer table

Volunteer id: int	Name :string	Phone no : int
1	Bashar	123456789
2	Mahmoud	456983217
3	Ali	789321456

Beneficiary table

Beneficiary no : int	Full name : string
<u>111</u>	<u>Bashar</u>
<u>222</u>	<u>Mahmoud</u>

Volunteer id: int_	Beneficiary no int	Full name: string
<u>1</u>	<u>111</u>	<u>Bashar</u>
<u>2</u>	222	<u>Mahmoud</u>

Volunteer table

Volunteer id : int	Name :string	Phone no : int
1	Bashar	123456789
2	Mahmoud	456983217
3	Ali	789321456

Volunteer Form table

New volunteer no	New name	New password	New phone no
<u>11</u>	<u>bashar</u>	Basar qqq	<u>123456778</u>
22			

One to one association

New volunteer	New name	New password	New phone no	Volunteer no (fk)
<u>no</u>				
<u>11</u>	<u>Bashar</u>	Bashar qqq	<u>12345678</u>	<u>1</u>
<u>22</u>				

Volunteer table

<u>Volunteer id</u> : int	Name :string	Phone no : int
1	Bashar	123456789
2	Mahmoud	456983217
3	Ali	789321456

Package table

Info of beneficiary	No of clothes
Bashar 267351	<u>8</u>

One to many association

Volunteer id (fk)	Info of beneficiary	No of clothes
1	Bashar 12783	8

Volunteer table

Volunteer id : int	Name :string	Password : string	Phone no : int
1	Bashar	Bashar zzz	123456789
2	Mahmoud	Mahmoud qq	456983217
3	Ali	Ali mmm	789321456

Donation Form table

Donation form no	First name	Family name
<u>123</u>	<u>bashar</u>	<u>omoush</u>

Volunteer id(fk)	Donation form no	First name	Family name

Volunteer table

<u>Volunteer id</u> : int	Name :string	Phone no : int
1	Bashar	123456789
2	Mahmoud	456983217
3	Ali	789321456

Donor table

<u>Donar ID</u>	Name	Email Address
11111	Mahmood	
11112	Ahmed	
11113	Ali	
11114	Yousef	

One to many association

Volunteer id (pk)	<u>Donor id</u>	Name	Email address
1	11111	Mahmoud	
2	11112	Ahmad	
3	11113	Bashar	

Volunteer table

<u>Volunteer id</u> : int	Name :string	Phone no : int
1	Bashar	123456789
2	Mahmoud	456983217
3	Ali	789321456

Clothes Sorting

Sorting Id	Type of clothes	Number of clothes
<u>0001</u>	<u>Shirt</u>	<u>123</u>
0002	<u>Trousers</u>	542

Volunteer id(pk)	Type of clothes	Number of clothes	Place of sort clothes
<u>1</u>	<u>Shirt</u>	<u>123</u>	<u></u>
<u>2</u>	<u>trousers</u>	<u>542</u>	<u></u>

Volunteer table

Volunteer no id : int	Name :string	Phone no : int
1	Bashar	123456789
2	Mahmoud	456983217
3	Ali	789321456

Administrator

Name	Admin ID
Kayali	1

Admin ID	Volunteer id (pk)
1	<u>1</u>

7.4 The beneficiary Database Tables

Beneficiary table

Full-name

Beneficiary form table

Form no	Phone no .	ID	Full name

Mapping Beneficiary many to many Beneficiary form

Beneficiary form table

Form no	Phone no .	ID	Full name

Package

Num	<u>ber</u>	of	<u>package</u>	_
				_

Mapping beneficiary form many to many package

Beneficiary table

Full-name

Volunteer table

Name	Password	Phone number

Mapping beneficiary many to many volunteer

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