University of Cebu-Banilad

College of Computer Studies

HEALTHSHAPERS

IT-ELDROID 1

84155 FRI (7:30 – 10:30 AM)

Submitted by:

Charles Brexie T. Saturinas

Jay Esplaguera

Dominic Restauro

Butch Nino Butas

Kevin Cachero

William James Janohan

IT-ELPHP

84193 SAT(7:30 – 10:30 AM)

Submitted by:

Charles Brexie T. Saturinas

Dominic Restauro

Jay Esplaguera (Alliance)

Jessalyn C. Sadili

Fretch Barbie H. Hugo

Submitted to:

Mr. Richyll Son

HealthShapers Project Documents

HealthShapers: Is an innovative food donation application designed to bridge the gap between surplus food and those in need. Our platform connects businesses, restaurants, and individuals looking to donate excess food with local charities and food banks.
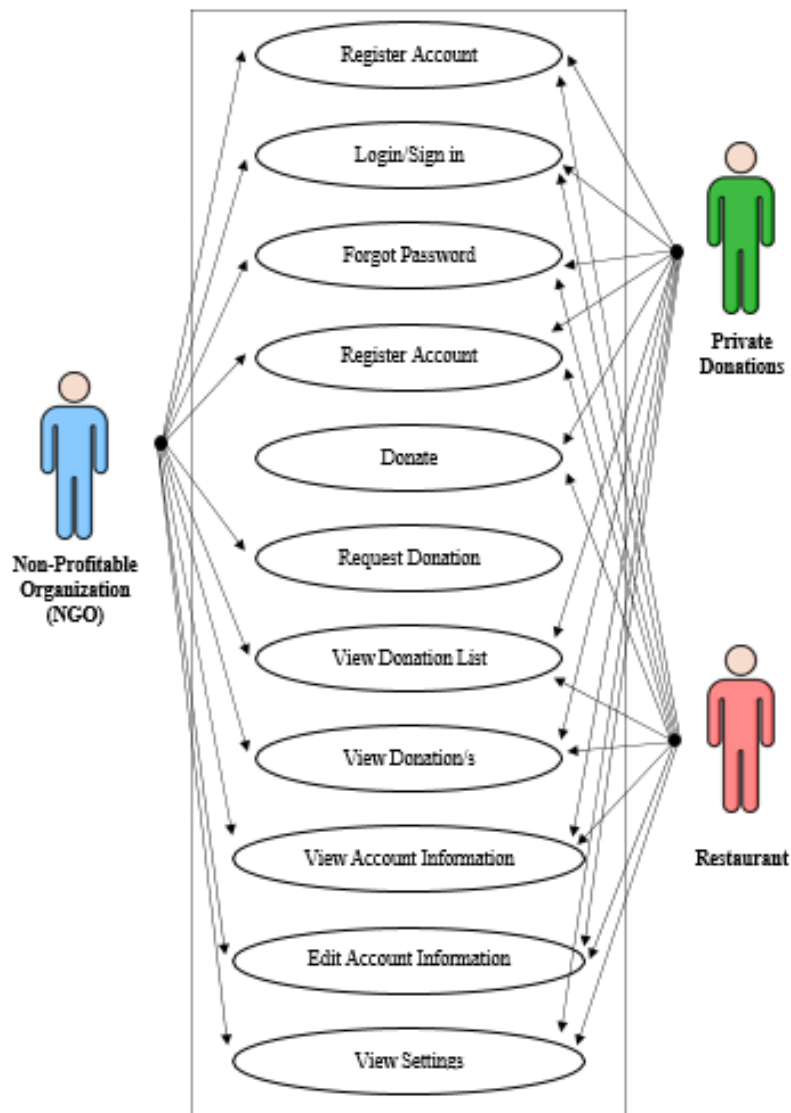
ERD
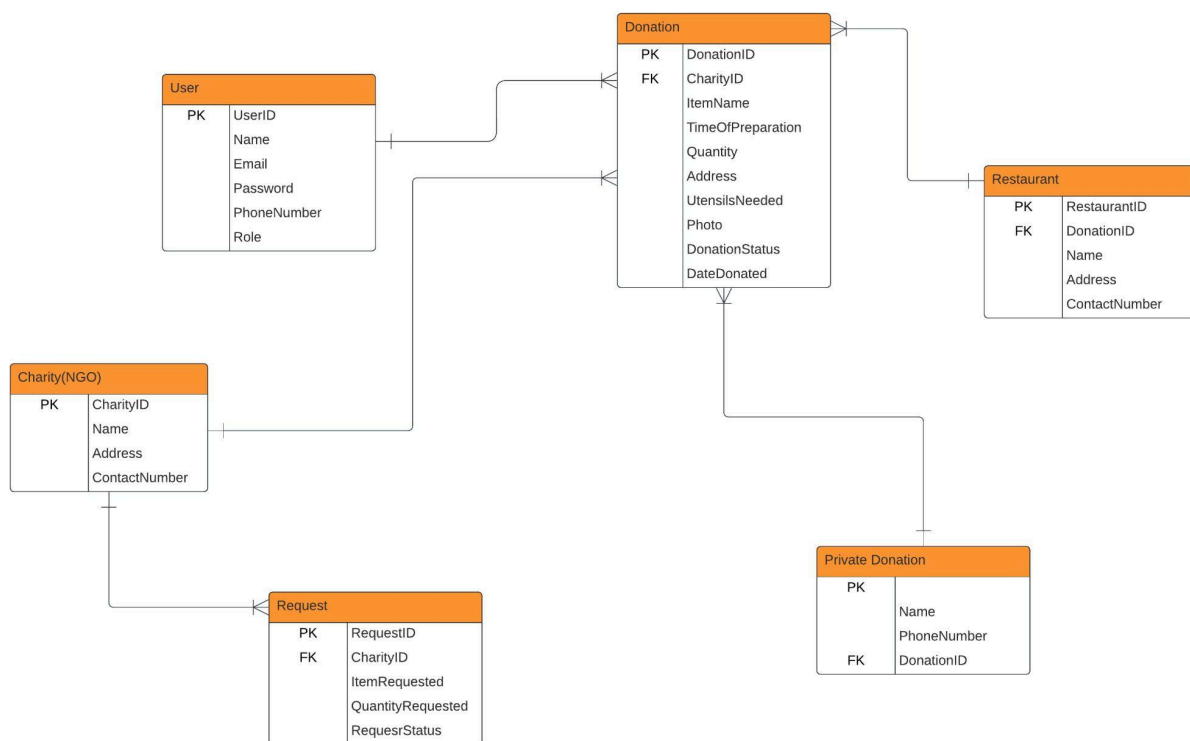
Use Case Diagram

Figure 2: The Health Shapers use case diagram illustrates the interactions between key actors—NGOs/Food Banks, Restaurants, and Private Donations—within the system. NGOs/Food Banks view available donations, request or claim food, and confirm receipt. They can also manage donation history and leave feedback for donors. Restaurants and Private Donations can register, log in, list surplus food for donation, and coordinate pickups, while receiving notifications on donation status.

Database Design

User	
UserId	Primary Key.int
Name	varchar
Email	Varchar
Password	varchar
PhoneNumber	varchar
Role	varchar

Restaurant	
ID	Primary Key.int
DonationID	int
Name	varchar
Address	varchar
ContactNumber	int

Request	
RequestID	int
CharityID	int
ItemRequested	Varchar
QuantityRequested	Varchar

Donation	
DonationId	Primary Key.int
ItemName	varchar
TimeOfPreparation	datetime
Quantity	int
Address	varchar
Utensils_Needed	varchar
Photo	varchar
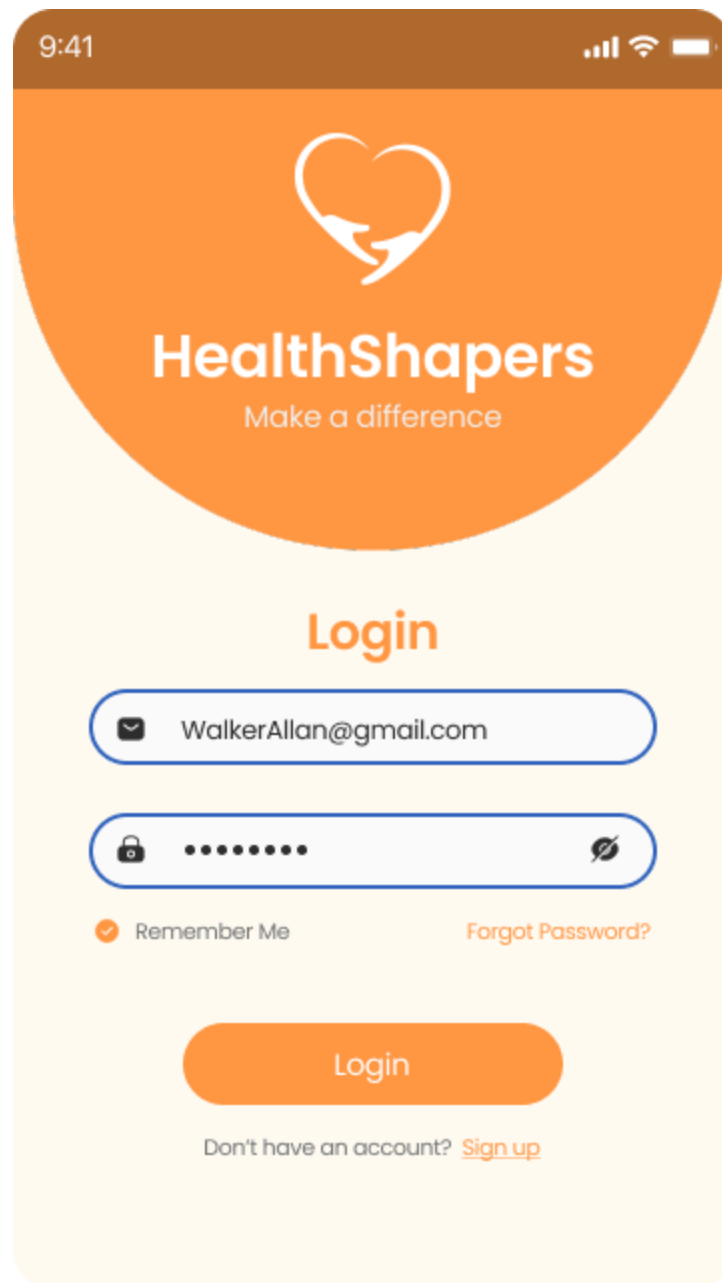
Charity	
ID	Primary Key.int
Name	varchar
Address	varchar
ContactNumber	varchar

Private Donation	
Name	varchar
PhoneNumber	int
DonationID	int

UI DESIGN

Splash Screen

	Description	Parameter
App Logo	HealthShapers app logo	

Login Screen
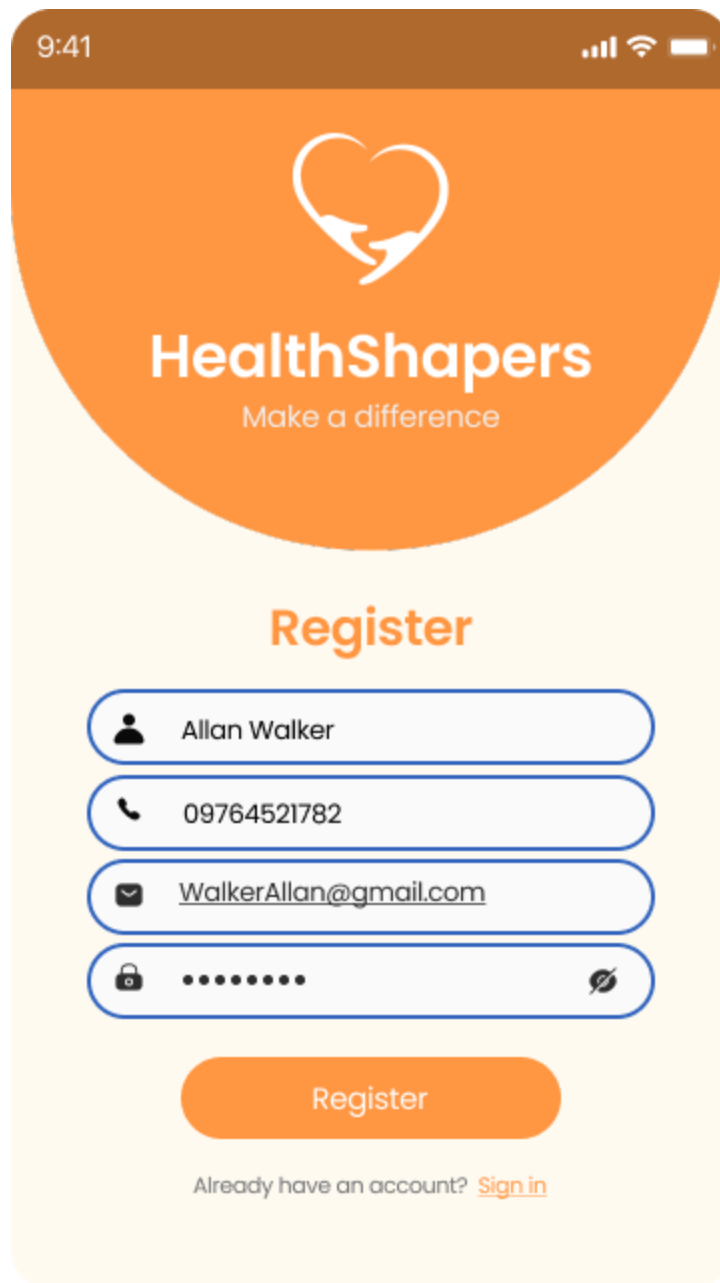
	Description	Parameter
App Logo	HealthShapers app logo	image
Login Text	Login word text display	text
Email Input	Login input edit text	email
Password Input	Password input edit text	password

Remember me checkbox	Clickable for automatically filling out the Login input and password input	checked
Forgot Password	Clickable forgot password text display	new password
Login Button	Signing in the user to use the application features	login action
Don't have an account? Sign up	Clickable for registering an account	text

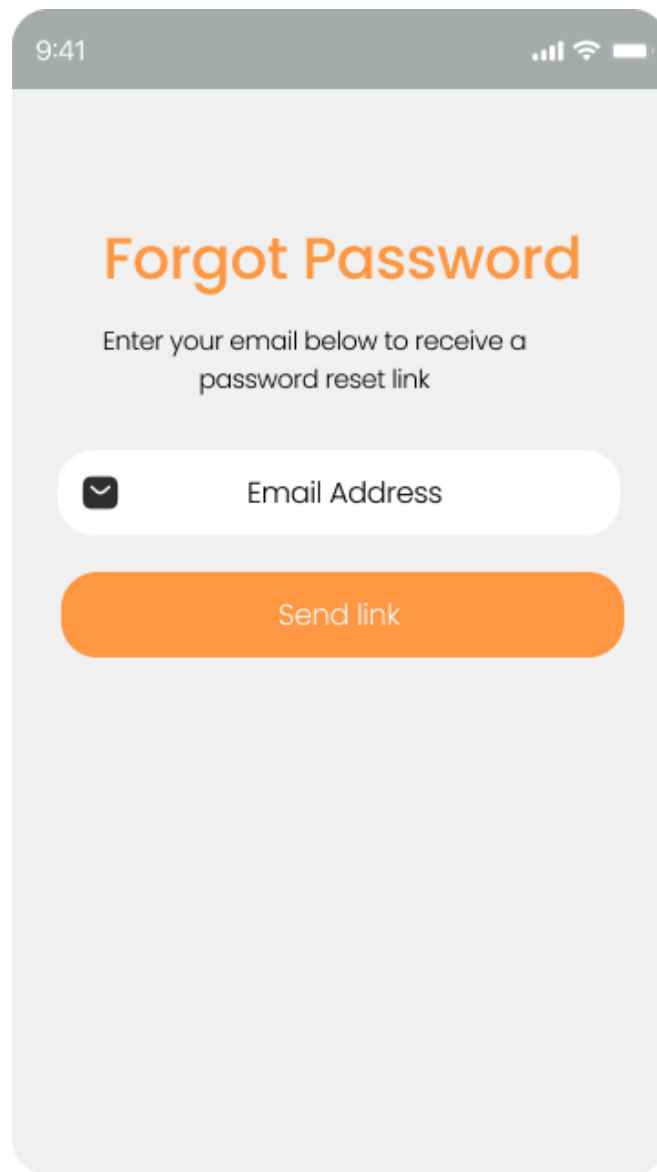**Register Screen**

	Description	Parameter
Register Text	Register word text display	text
Username Input	Username input edit text display	Username
Cell Phone Number Input	Cell Phone number input edit text display	Phone Number

| Email Input	Email input edit text display	Email
Password Input	Password input edit text display	Password
Register Button	Registers the user with the form information	Button
Already have an account? Sign in	Clickable for directing the user to the login screen	Button

Forgot Password Screen

	Description	Parameter
Forgot Password Text	Forgot password text display	text
Email Address Input	Email address input edit text	Email
Send link button	Clickable for sending information to the email	Button

Dashboard Screen
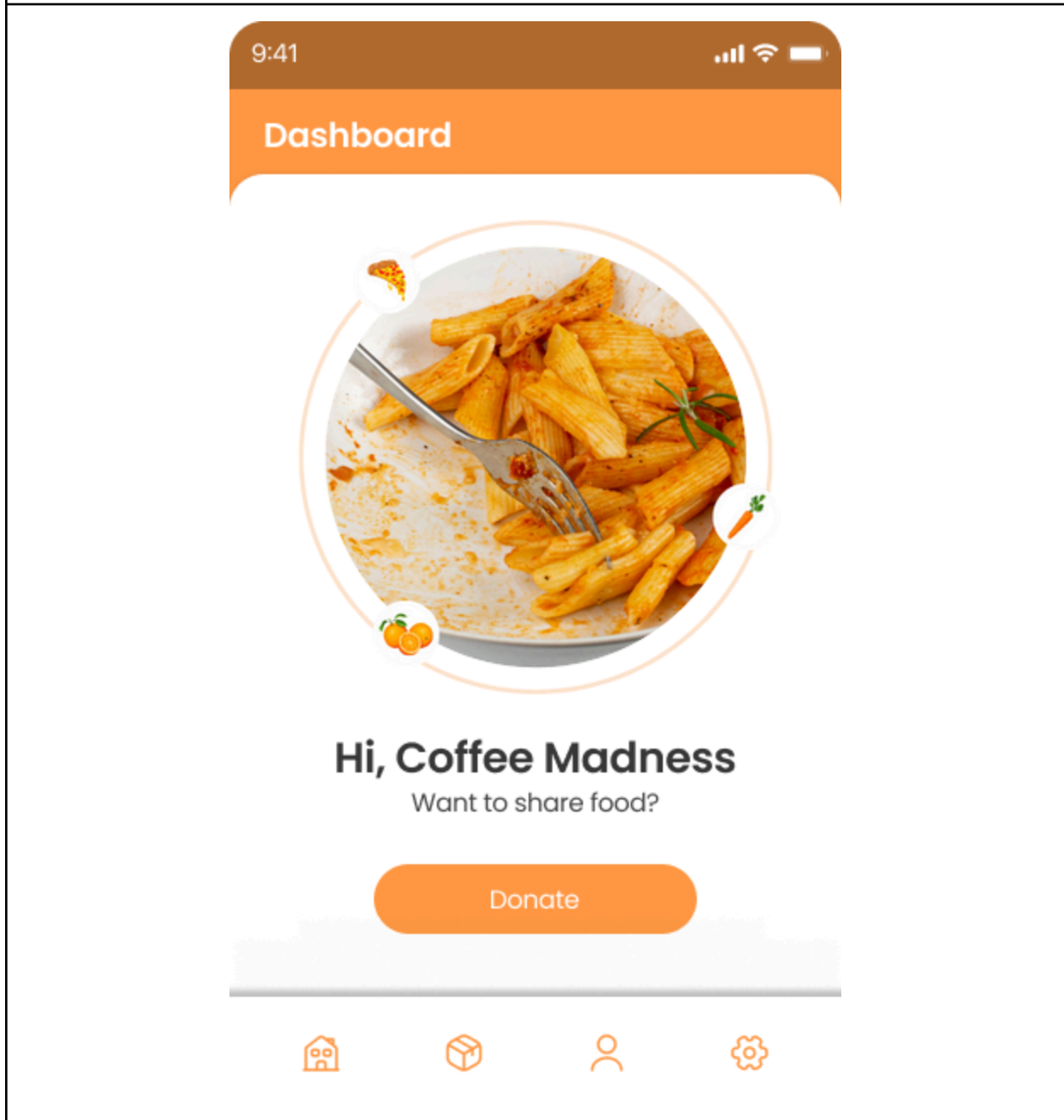
	Description	Parameter
Image	Your profile image	image
Name	Name of donator	text
Donate	Press the button to donate	button

Food Details Screen

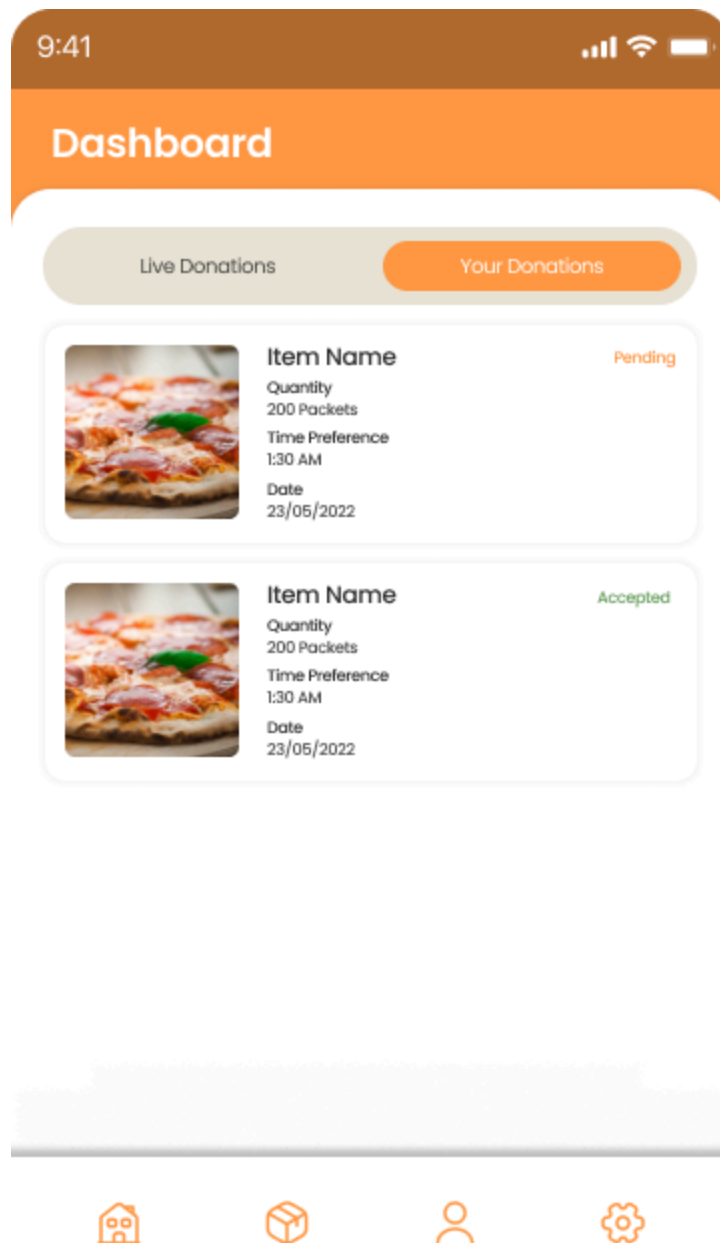|	Description	Parameter
Food Details Text	Food Details Text Display	
Item Name	Name of the item that you donate	
Preferred Time	Time for item arrival	datetime
Date	Date for item to be donated	datepicker

Quantity	Number of item to be donated	int
Address	Location where the donation will be dropped off or picked up	string
Food Image	Item image to be donate	image
Submit Button	To submit the item	Button

Live Donations Screen
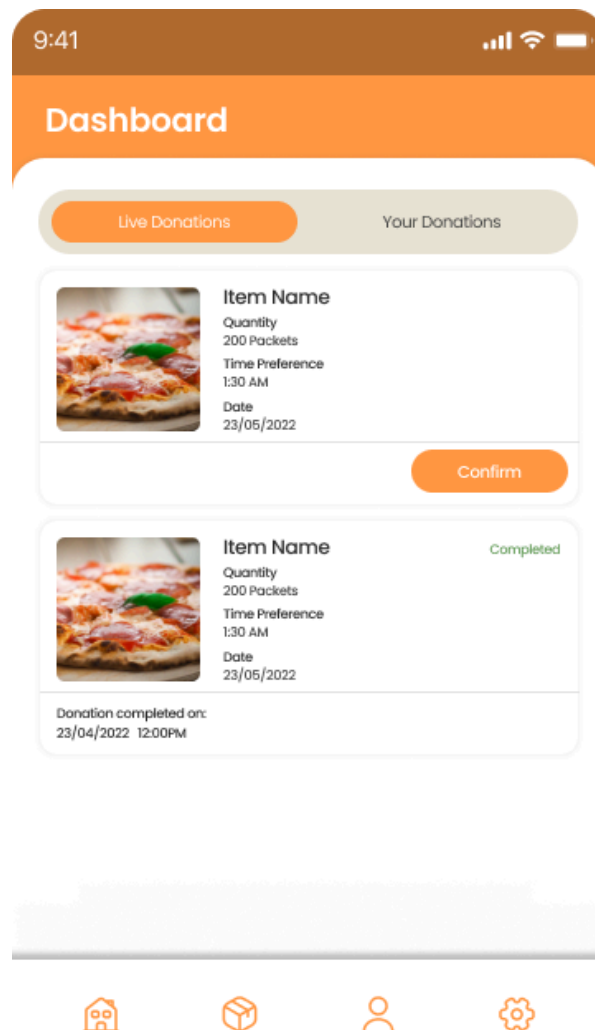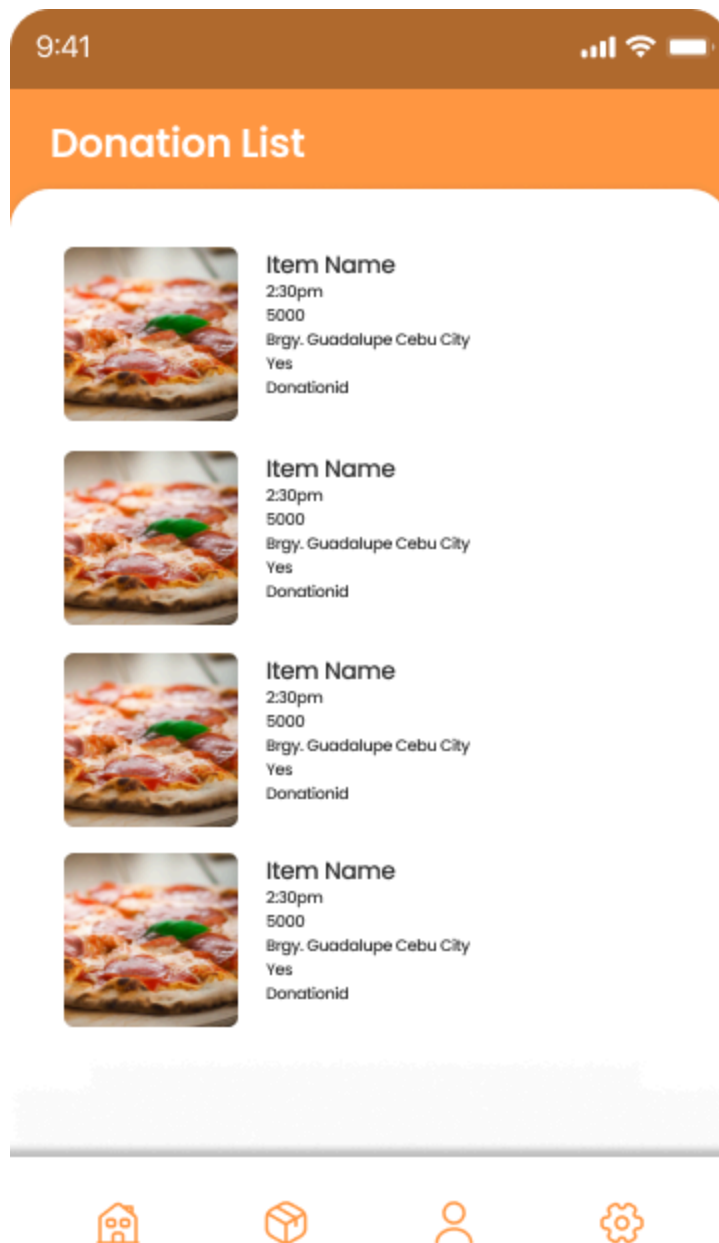

	Description	Parameter
Dashboard Text	Dashboard text Display	text
Item Description	List of items donations	text
Confirm Button	Item to be donate	Button

Your Donations Screen

	Description	Parameter
Item Description	List of items donations complete/declined	text

Donation List Screen

	Description	Parameter
Item List	A detailed list of items to be donated	

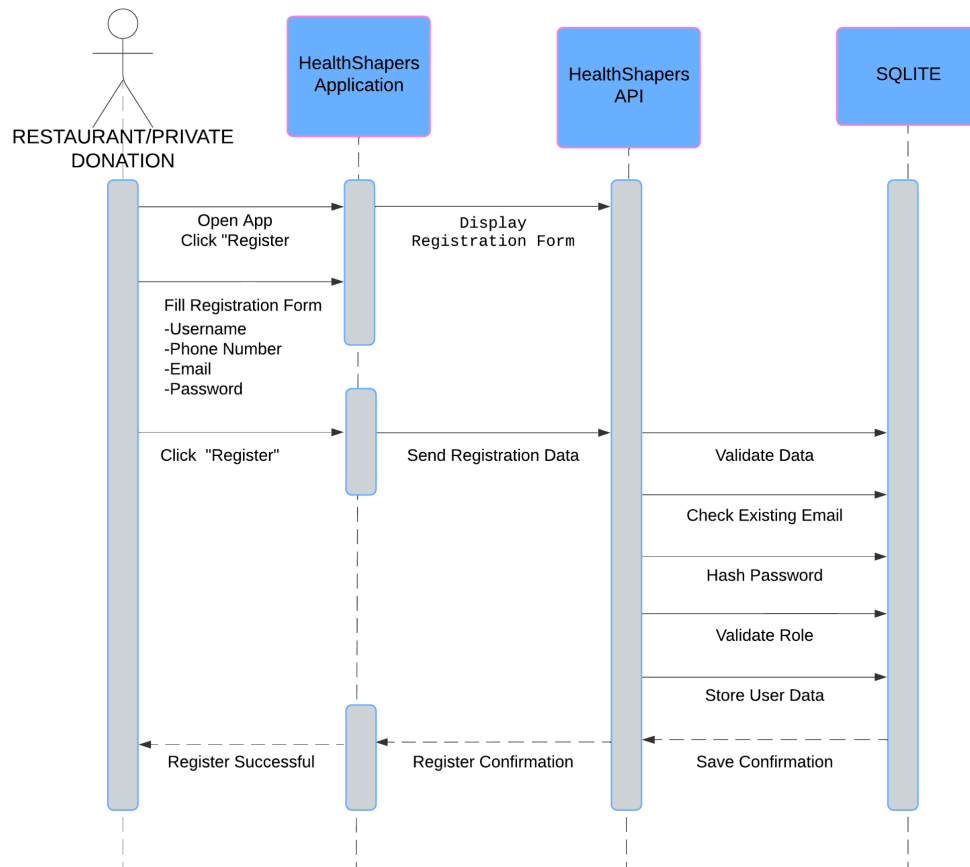**Settings Screen**
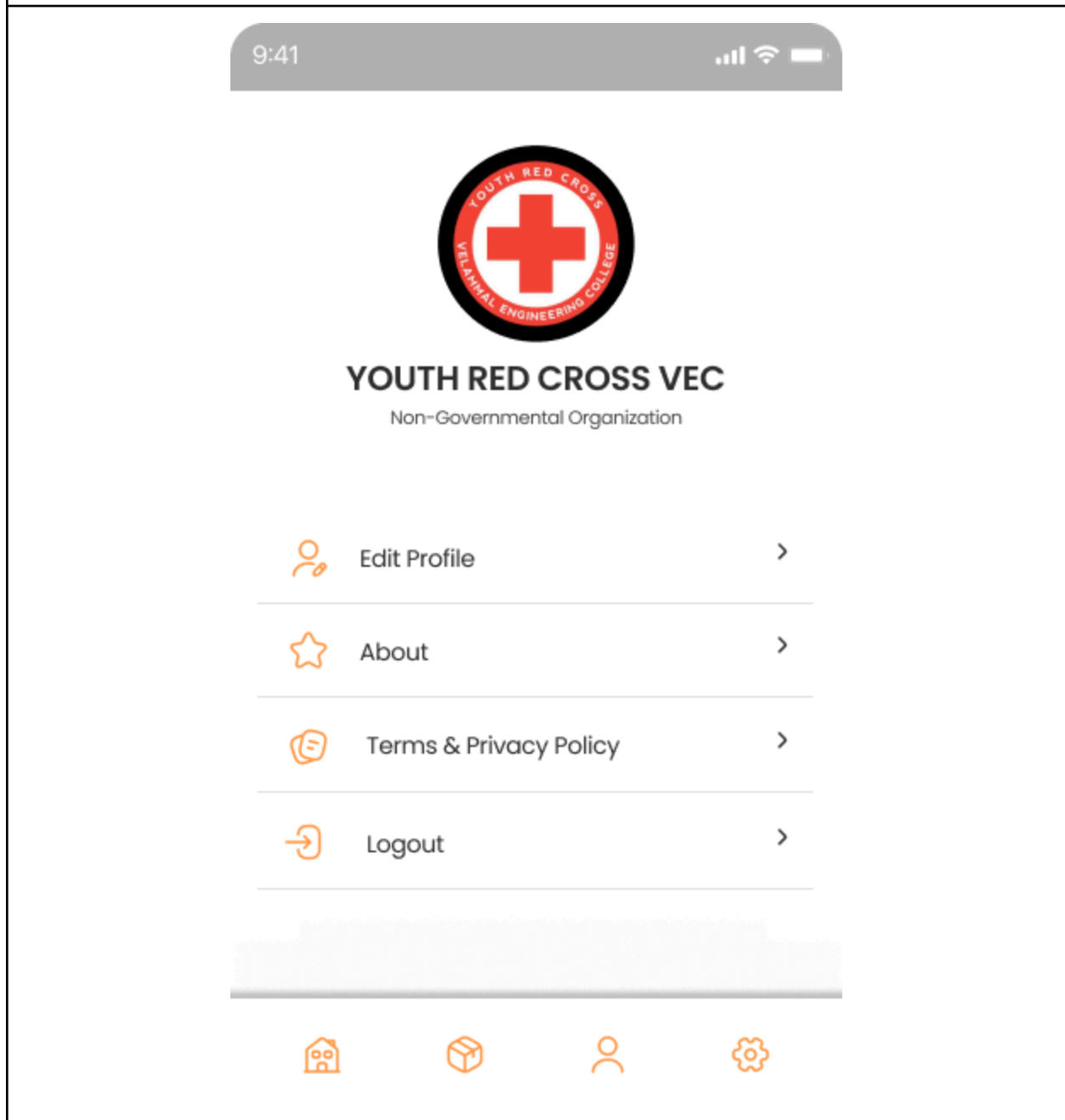
	Description	Parameter
Edit Profile	Edit profile information	
About	Information about the application	text
Terms & Privacy Policy	Service and privacy	

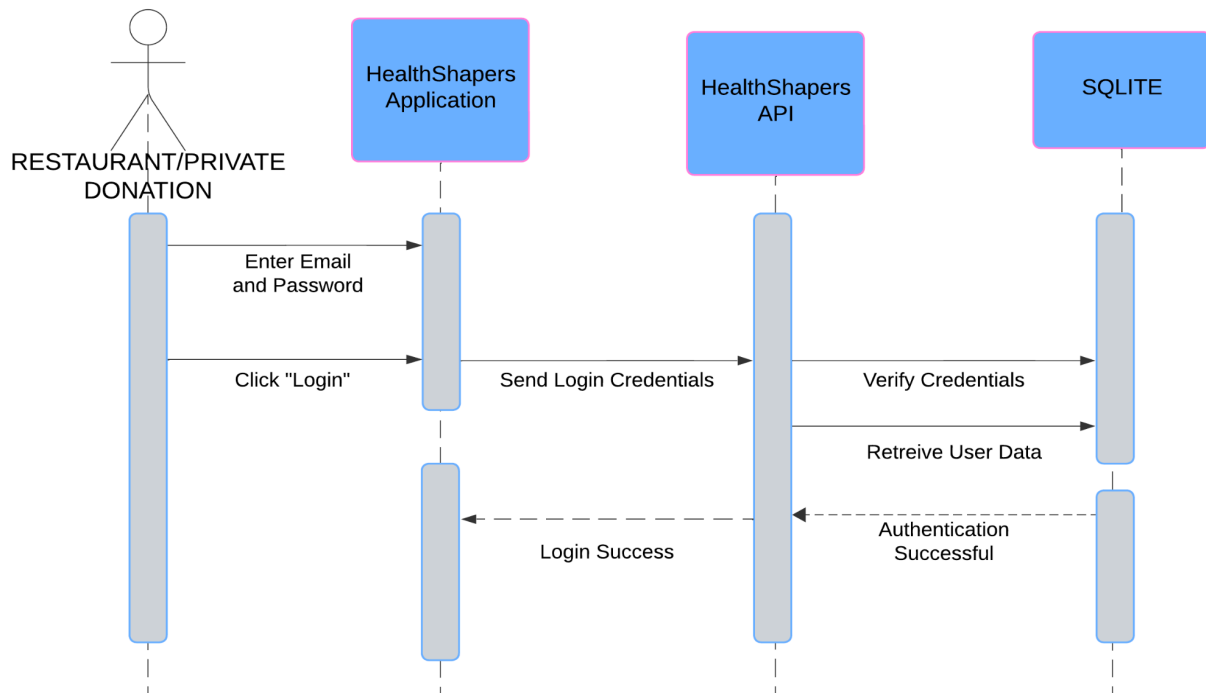|	practices to understand how applications protect your data and ensure a safe experience.	
Logout	Sign out of your account to ensure your personal information remains secure and to prevent unauthorized access to your profile.	button
app logo	Logo of the application	image

Sequence Diagram
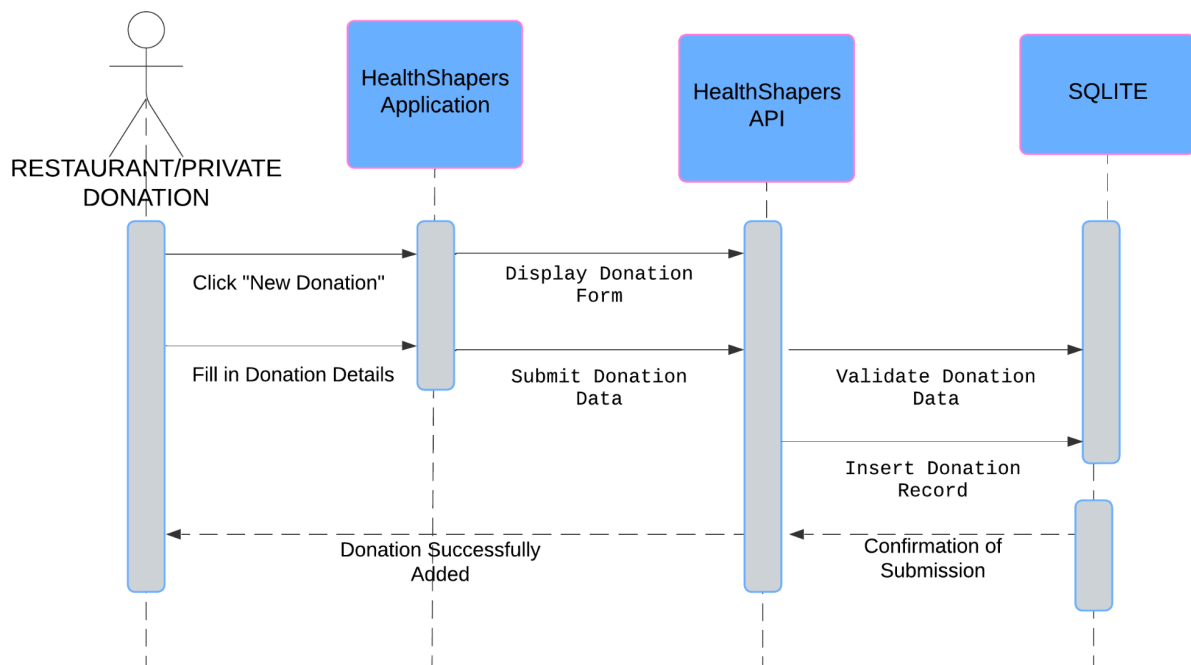
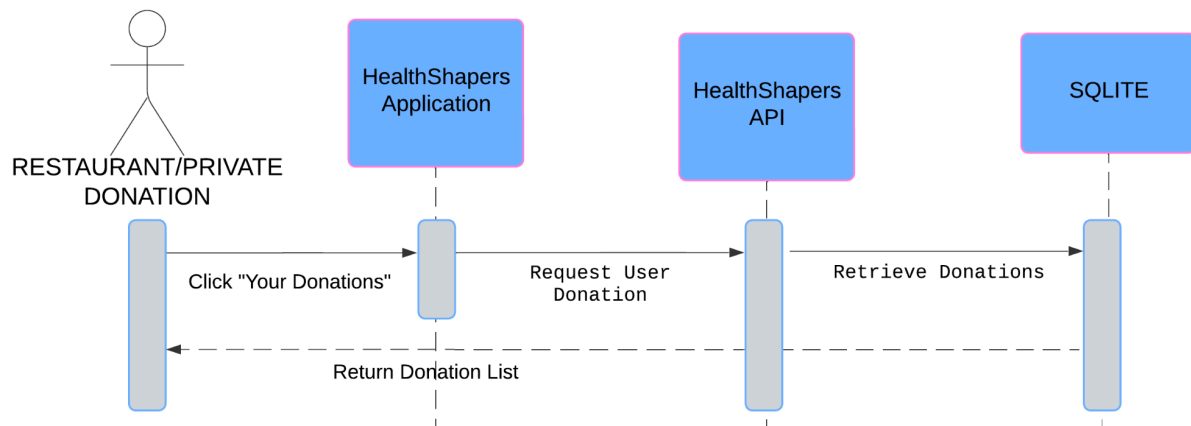## RESTAURANT/PRIVATE DONATION

User Registration and Role Selection

Login Process

Creating a New Donation

Viewing Donations

RESTAURANT/PRIVATE
DONATION

HealthShapers
Application

HealthShapers
API

SQLITE

Click "Your Donations"

Request User
Donation

Retrieve Donations

Return Donation List

Viewing and Managing Specific Donation

RESTAURANT/PRIVATE
DONATION

HealthShapers
Application

HealthShapers
API

SQLITE

Click "Donation List
Navigation Button"

Select Specific
Donation

Request Donation
Details

Display Donation
DialogBox

Retreive Specific
Donation

Click "Delete Donation"

Send Delete Request

Delete Donation Record

Donation Deleted Successfully

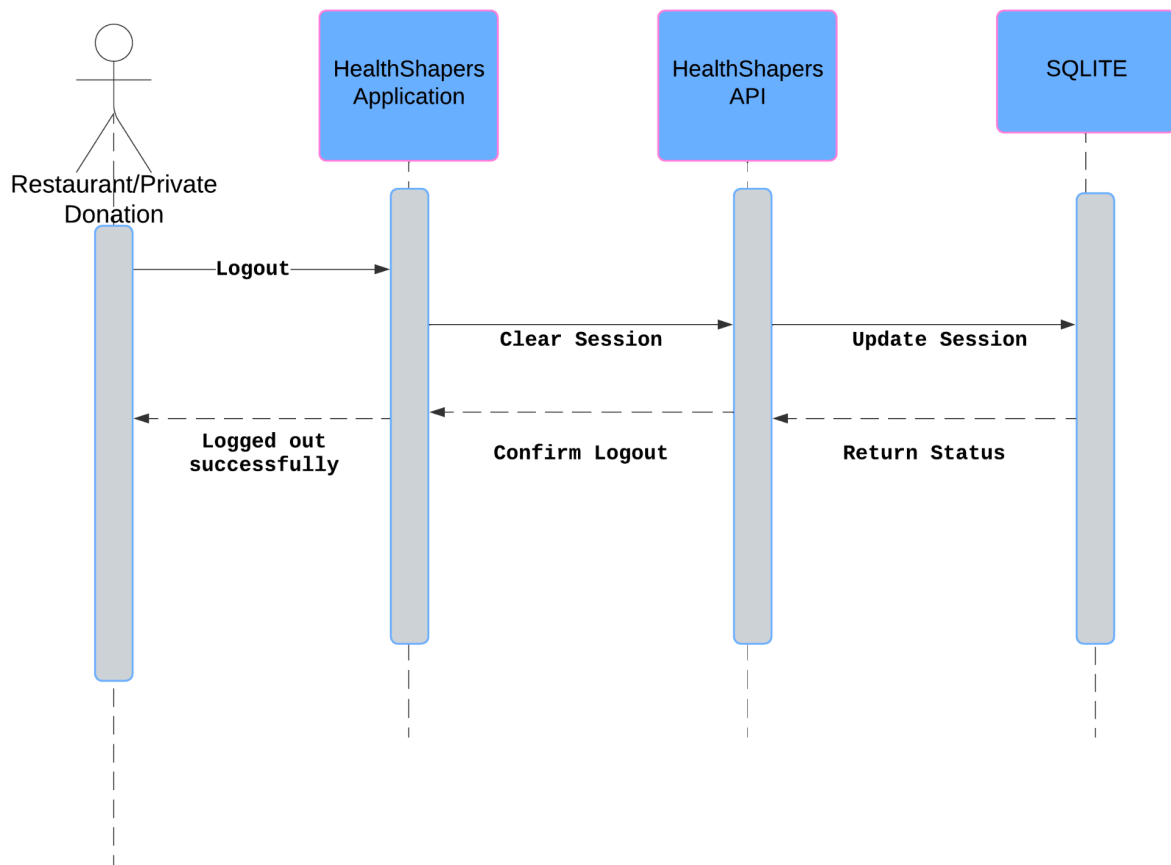Confirm Deletion
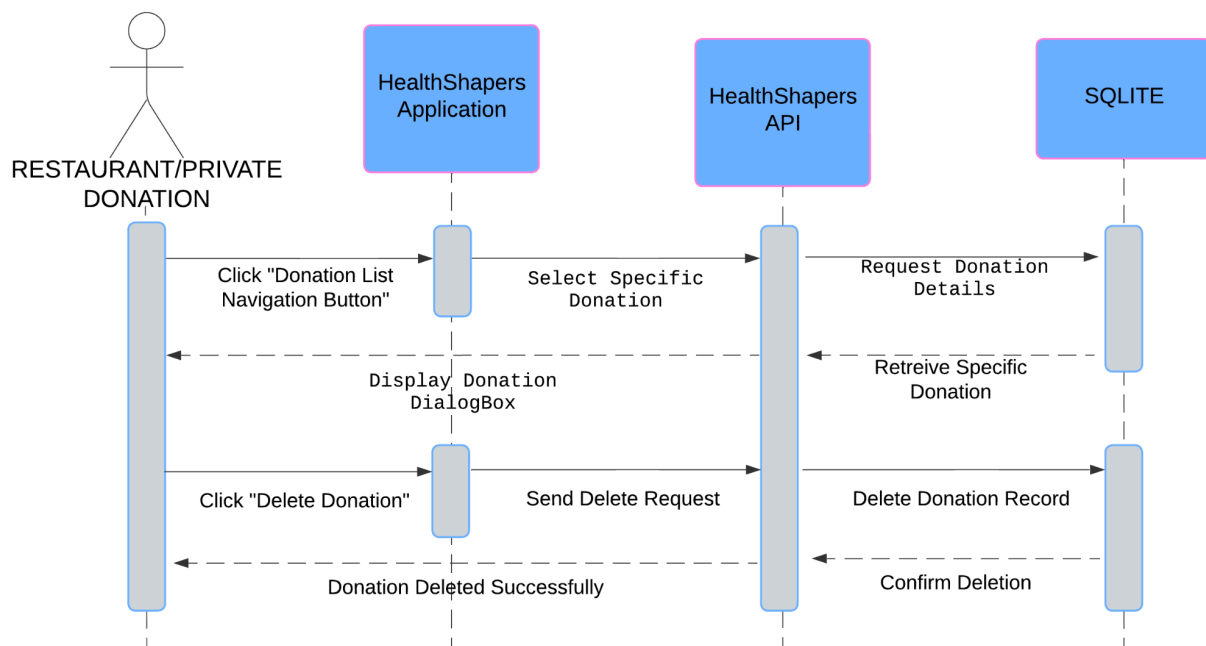
Editing Profile Information
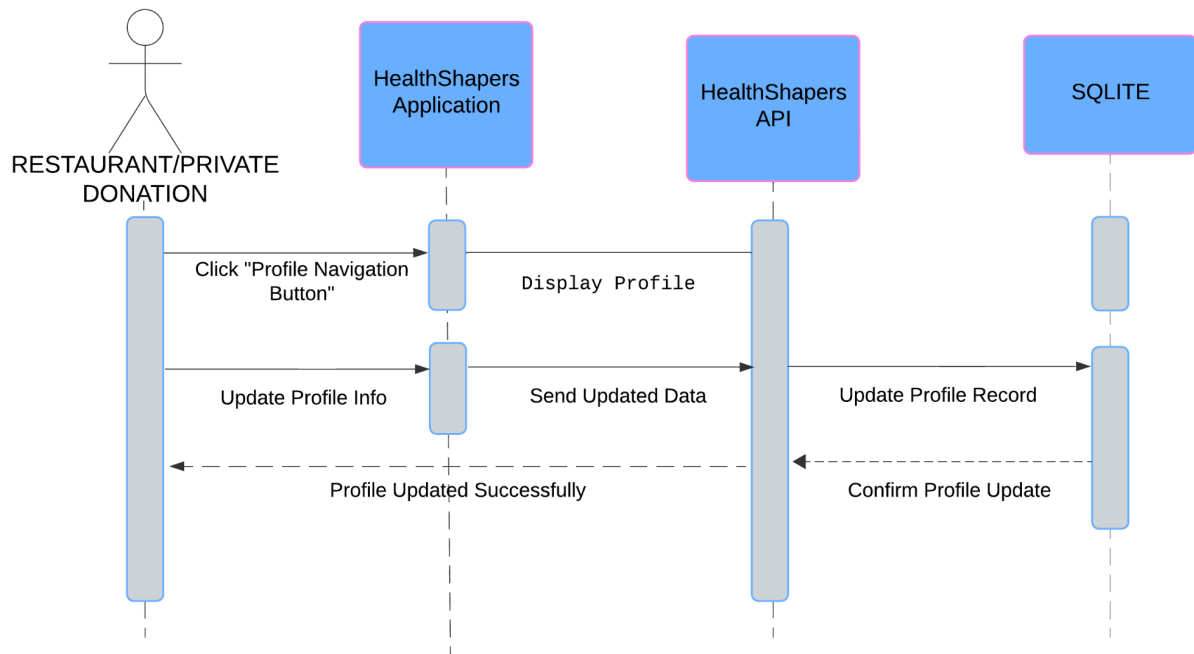
Settings Navigation

LOGOUT

Restaurant/Private
Donation

HealthShapers
Application

HealthShapers
API

SQLITE

Logout

Clear Session

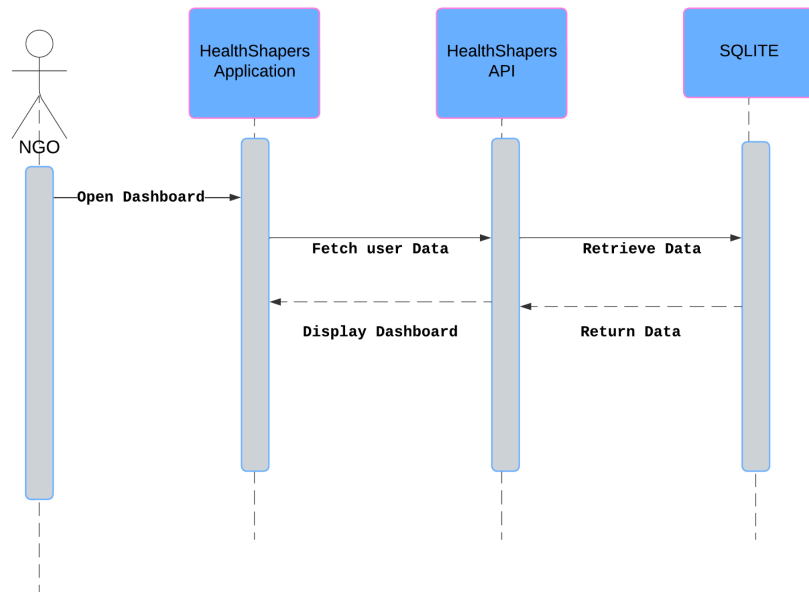**Update Session**

**Logged out
successfully**

Confirm Logout

Return Status
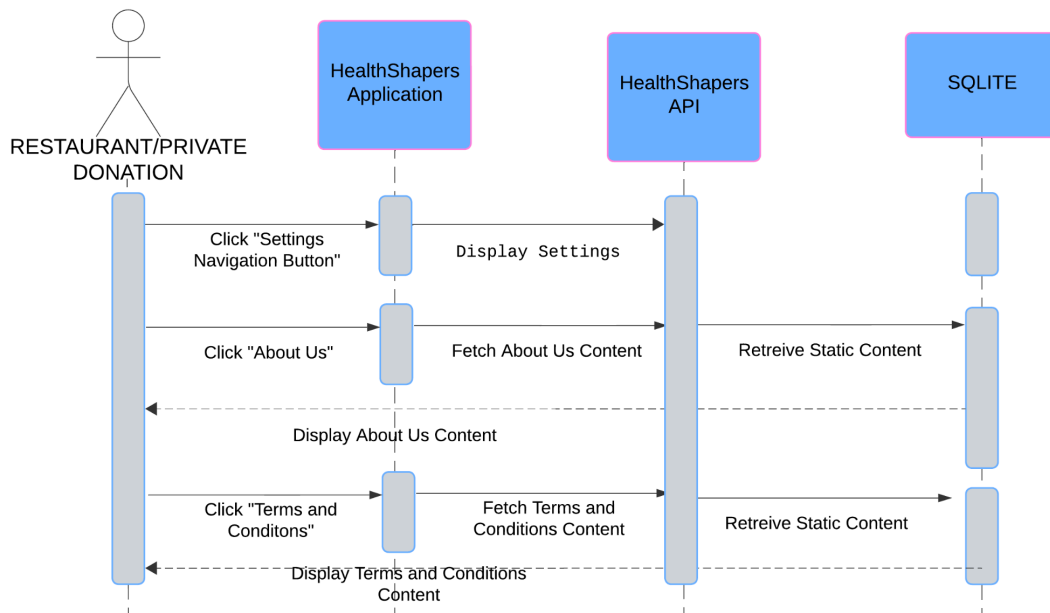
NGO

Register
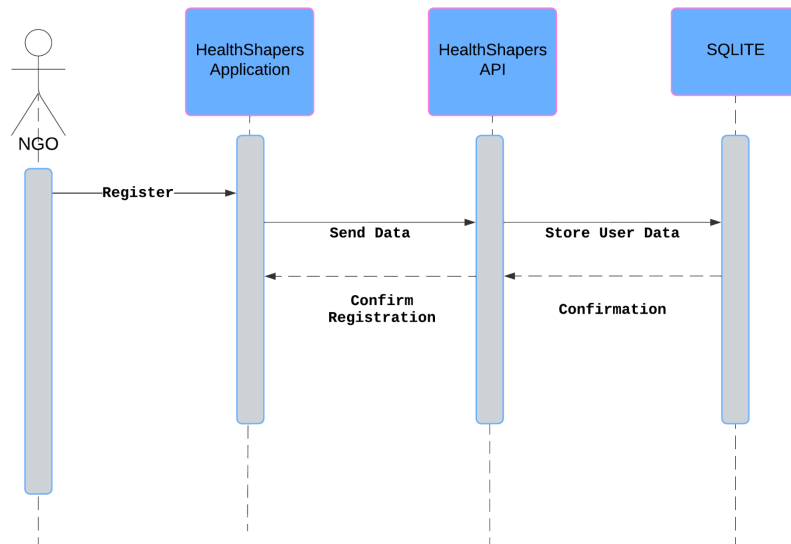
LOGIN PROCESS

Dashboard

NGO

HealthShapers
Application

HealthShapers
API

SQLITE

Open Dashboard

Fetch user Data

Retrieve Data

Display Dashboard

Return Data

View Donations

NGO

HealthShapers
Application

HealthShapers
API

SQLITE

View Donations

Request Data

Fetch Donation List

Display Donations

Return Donation
Data
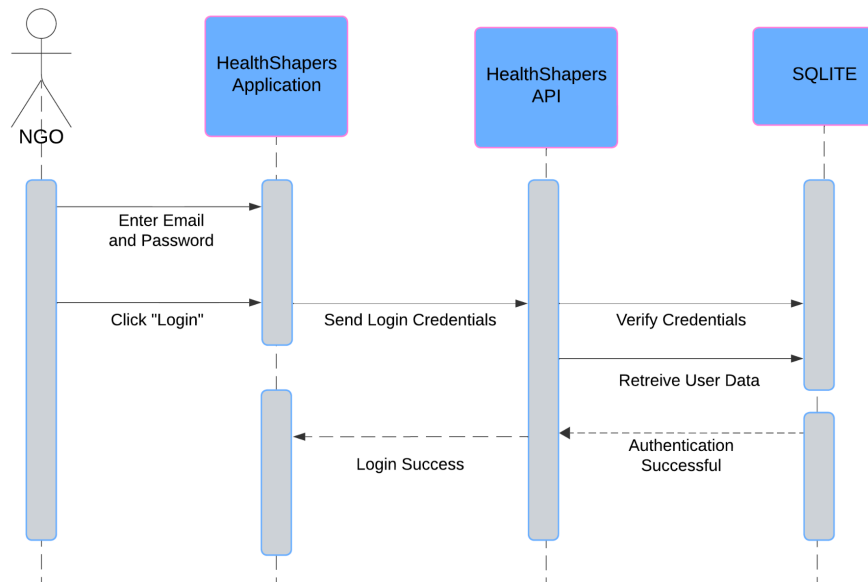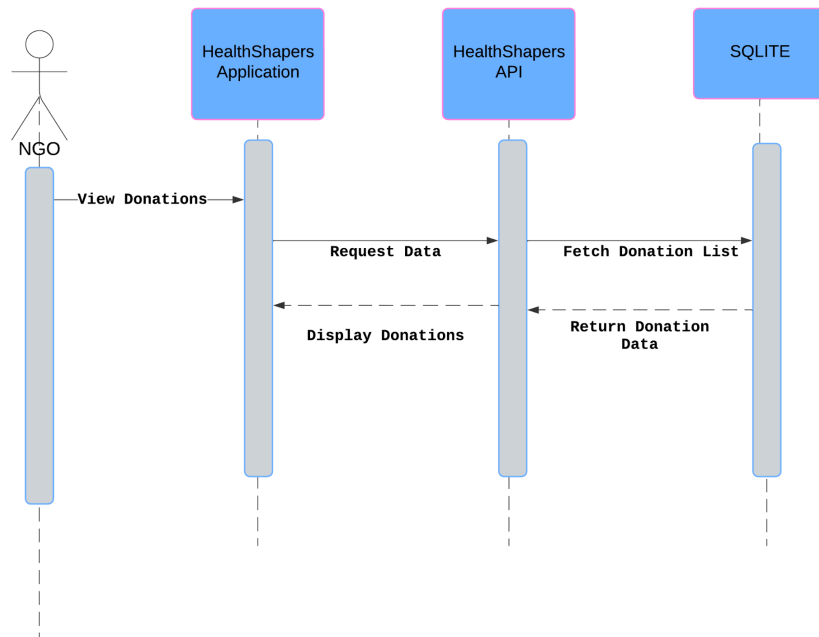
Select Donation
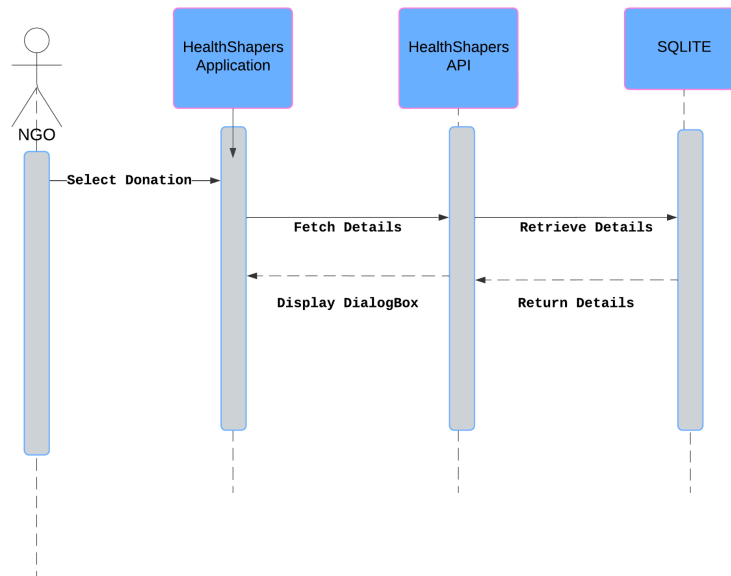
Your Requests

Edit Profile

NGO

HealthShapers Application

HealthShapers API

SQLITE

Edit Profile

Update Data

Update Record

Confirm Update

Confirmation

Settings

NGO

HealthShapers Application

HealthShapers API

SQLITE

Click "Settings Navigation Button"

Display Settings

Click "About Us"

Fetch About Us Content

Retreive Static Content

Display About Us Content

Click "Terms and Conditons"

Fetch Terms and Conditions Content

Retreive Static Content

Display Terms and Conditions Content

Logout

NGO

HealthShapers Application

HealthShapers API

SQLITE

Logout

Clear Session

Update Session

Confirm Logout

Return Status