



**1M Brother**

## **ACKNOWLEDGEMENT**

No one can achieve his goal alone we all live in a world that we need the helping of each other for achieving our goals. This moment is one of the most valuable, remarkable and important moment in our lives. We want to thank everyone who helped us to get that project done. First, we would like to thank our professor **Dr.Helal Ahmed** who was always there when we needed him the most. We would like to thank him for encouraging us throughout the way till this moment he gives us hope to carry on. It was such an honour to work under his supervision. Then we are very grateful to our families for their support, encouragement and patience with us. Furthermore, I would like to acknowledge the staff and faculty at Helwan University for providing me with exceptional resources and educational opportunities. The environment and community they fostered played a crucial role in our growth and development, it was a great effort, and we are so grateful for this effort.

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# **Chapter 1**

## **Introduction**

## **1.1 Overview**

In 1M Brother, it's easy to raise funds for your personal purposes or for your favorite charity whether you prefer to sign in as an individual a charity or company. It takes only a few minutes to get set up and begin fundraising. Once your profile is approved you can create your fundraising campaign in a couple of minutes simply upload the required documents fill in the campaign details select the relevance category and choose your goal make sure you add photos and videos and begin with a catchy title for the campaign then invite your crowd to donate by sharing it on social media with the click of a button you can even embed the campaign in your website to attract more traffic then continue updating your audience to keep them engaged and informed about your campaign success. Charities can use the platform to refer every visitor to their own fundraising page while the mailing dashboard allows them to communicate effectively with their donors and encourage monthly subscribers for a sustainable income. Companies can also use 1M Brother to showcase their support for a particular cause or a charity and invite their employees to engage with activities that are supported by the company anyone can donate quickly easily and safely at 1M Brother since all the campaigns are verified. They will be able to see the admin fee and the net donations, so they know where their money is going and make happiness happen.

## **1.2 Objectives**

- Mainly, 1M Brothers aims to open its doors to all patients regardless of the severity of their condition or needs, to fully provide and assist them throughout their entire treatment journey by presenting their condition on the site and fundraising for it.
- We also aim to provide treatments for those who are suffering from chronic diseases who cannot obtain treatment, and treatment is provided to them, whether monthly or weekly.
- Maintain complete confidentiality and privacy for each patient. Not all kinds of disease cases are shown in the media.
- Ensure that donations are collected for those who deserve it.
- Giving the opportunity to those who can aid the poor, and this reflects positively on them and on the needy. This reflects positively on society, where affection and compassion spread among its members.

## **1.3 Purpose**

- This project is based on collecting donations through all electronic platforms to help people who are unable to pay the costs of treatment for a rare disease, and we have noticed such cases in the previous period. Or perform a surgery and are unable to pay the costs or provide some rural and remote areas with basic medical devices such as a “dialysis” device and other devices, and the list goes on for the cases in which we hope to provide a helping hand.
- Several months ago, the moment #SaveRuqiah's\_life appeared, and after researching the matter, it turned out that Ruqiah is a child who is close to reaching her second year, and she suffers from spinal muscular atrophy, a genetic disease that causes muscle weakness and movement problems. Which is estimated at two million US dollars before he reaches his second year? Therefore, the family launched an advertising campaign on social media platforms, inviting people to collect the amount as soon as possible. Many important personalities, artists and celebrities participated in the campaign. The campaign succeeded in collecting the specified amount in a short time.
- From that moment, we thought why there is no platform whose goal is to create the campaign, using all possible methods such as well-known social media platforms or famous media platforms and TV channels to collect donations financials to treat those critical cases that need large sums of money for treatment, in A very short time before the patient's health condition deteriorates.

## **1.4 Scope**

Here we will discuss some details of the project:

1- In the beginning, the project aims to help people in various places and governorates by collecting donations for them.

2- The site will not be limited to medical cases only, but will include many sections and cases such as medical cases and educational cases if there are those who cannot afford to study and other cases

3- Pathological or other cases will be supported by some photos and videos to ensure the credibility of the donor so that he can be sure that the money goes to the person in need

4- The campaign appears on the main page of the site along with the rest of the campaigns and visitors can start to see the details about it, donate to it and see what has been reached from the amount to be collected

5- Any visitor can apply for a case that needs help and the site will publish some details about it to collect donations for it

6- Stakeholders:

- The main stakeholders will be the cases that are donated to and help them solve their problems whatever the type of case.
- There are also some beneficiaries, who are the donors themselves, as this will benefit them, and society will benefit from this as the percentage of problems of various kinds will decrease.

## 1.5 General constraints

Project constraints are the general limitations of a project, including time, scope, costs, and collecting raw data. Understanding project constraints are important because they affect project performance.

- **Time constraint**

The time constraint refers to the project's schedule for completion, including the deadlines for each phase of the project, as well as the date for rollout of the final deliverable.

- **Scope constraint**

The scope of a project defines its specific goals, deliverables, features, and functions, in addition to the tasks required to complete the project.

- **Cost constraint**

The cost of the project, often dubbed the project's budget, comprises all the financial resources needed to complete the project on time, in its predetermined scope. Keep in mind that cost does not just mean money there are a lot of factors such as time drain.

- **Collecting raw data**

Collecting raw data for simulation was not easy to access because of

- Concept of data collection
- Types of data
- Issues to be considered for data collection
- Methods of primary data collection

# **Chapter 2**

## **Planning and analysis**

## **2.1 Project planning**

### **2.1.1 Feasibility Study**

- Financial Feasibility**

Being a web application 1M Brother will have an associated hosting cost, bandwidth required for the operation of' this application is very low.

The system will follow the freeware software standards. Bug fixes and maintaining tasks will have an associated cost, At the initial stage the potential market space will be the local.

Beside the associated cost. there will be many benefits for the customers, Especially the extra effort that is associated with ask people for financially help will be significantly reduced while effort to save money in a safe place will be eliminated, will provide a report about what how much money have collected

From these it's clear that the project 1M Brother is financially feasible.

- Technical Feasibility**

Project 1M Brother is a complete web-based application. The main technologies and tools that are associated with 1M Brother are

- HTML CSS JavaScript, Bootstrap
- Reacts
- C#
- .net

Each of the technologies are freely available and the technical skills required are manageable, Time limitations of the product development and the ease of implementing using these technologies are synchronized.

Initially the web site will be hosted in a free web hosting space, but for later implementations it will be hosted in a paid web hosting space with a sufficient bandwidth required in (his application is very low)

From these it's clear that the project 1M Brother is technically feasible

- **Resource and Time Feasibility**

Resource feasibility

Resources that are required for the 1M Brother project includes,

- Programming device (Laptop)
- Hosting space (freely online)
- Programming tools (freely available)
- Programming individuals

It's clear that the project 1M Brother has the required resource feasibility.

- **Social/Legal Feasibility**

1M Brother uses freely available development tools and provide the service for all Arab people only the maintenance Cost Will be Charged from potential customers. Software libraries that are used in this system are free open-source libraries since this website eliminates the effort Raise money for any specific situation.

## 2.1.2 Estimated Cost

### 1M BROTHER PROJECT COST ESTIMATION

\$ 2,225		ESTIMATED TOTAL COST		PROJECT PHASE	STATUS	ESTIMATE D HOURS	DEVELOPERS		ANALYSTS		ADDITIONAL COSTS PER PHASE	TOTAL COST	STATUS KEY			
55		ESTIMATED ASSOCIATES					HOUR C. REQ'D	Avg. Cost	HOUR C. REQ'D	Avg. Cost						
122.00		ESTIMATED HOURS														
0.659		FULL-TIME EQUIVALENT														
PROJECT NAME	1Million Brother	1	PHASE 1.0	COMPLETE	20.00	15	\$ 240	5	\$ 228	\$ 500	\$ 988	NOTSTARTED				
PROJECT SUPERVISOR	Dr. HELAL AHMED	1.1	PHASE1.1	COMPLETE	3.00	3	\$ 40	1	\$ 30	\$ 100	\$ 176	INPROGRESS				
START DATE	27-Jun-22	1.2	PHASE1.2	COMPLETE	6.00	2	\$ 90	1	\$ 43	\$ 100	\$ 233	COMPLETE				
END DATE	30-May-23	1.3	PHASE1.3	COMPLETE	4.00	2	\$ 40	1	\$ 65	\$ 100	\$ 205	ONHOLD				
		1.4	PHASE1.4	COMPLETE	5.00	5	\$ 60	1	\$ 34	\$ 100	\$ 194					
		1.5	PHASE1.5	COMPLETE	2.00	3	\$ 30	1	\$ 56	\$ 100	\$ 186					
PROJECT ESTIMATE COMMENTS		2	PHASE 2.0	COMPLETE	14.00	11	\$ 217	4	\$ 120	\$ 200	\$ 537					
2.1	PHASE2.1	2.1	PHASE2.1	COMPLETE	2.00	4	\$ 32	1	\$ 32	\$ 50	\$ 114					
2.2	PHASE2.2	2.2	PHASE2.2	COMPLETE	3.00	3	\$ 54	1	\$ 11	\$ 50	\$ 115					
2.3	PHASE2.3	2.3	PHASE2.3	COMPLETE	4.00	3	\$ 55	1	\$ 32	\$ 50	\$ 137					
2.4	PHASE2.4	2.4	PHASE2.4	COMPLETE	5.00	1	\$ 76	1	\$ 45	\$ 50	\$ 171					
3	PHASE 3.0	3	PHASE 3.0	INPROGRESS	\$0.00	0	\$ -	0	\$ 120	\$ 200	\$ 320					
3.1	PHASE 3.1	3.1	PHASE 3.1	INPROGRESS	2.00	0	\$ -	2	\$ 30	\$ 50	\$ 80					
3.2	PHASE 3.2	3.2	PHASE 3.2	COMPLETE	2.00	0	\$ -	2	\$ 30	\$ 50	\$ 80					
3.3	PHASE 3.3	3.3	PHASE 3.3	INPROGRESS	2.00	0	\$ -	2	\$ 30	\$ 50	\$ 80					
3.4	PHASE 3.4	3.4	PHASE 3.4	COMPLETE	2.00	0	\$ -	2	\$ 30	\$ 50	\$ 80					
4	PHASE 4.0	4	PHASE 4.0		\$0.00	6	\$ 80	6	\$ 100	\$ 200	\$ 380					
4.1	PHASE4.1	4.1	PHASE4.1	INPROGRESS	40.00	3	\$ 40	3	\$ 50	\$ 100	\$ 190					
4.2	PHASE4.1	4.2	PHASE4.1	INPROGRESS	40.00	3	\$ 40	3	\$ 50	\$ 100	\$ 190					
			TOTALS		122.00	32	\$ 557	23	\$ 568	\$ 1,100	\$ 2,225					

## 2.1.3 Gantt Chart

Chapter Name	Start Date	End Date	Duration
Chapter 1	01\06\2022	07\06\2022	7 Days
Chapter 2	08\06\2022	15\06\2022	7 Days
Chapter 3	16\06\2022	30\06\2022	14 Days
Chapter 4	23\08\2022	01\03\2023	162 Days
Chapter 5	15\03\2023	22\02\2023	8 Days
Chapter 6	23\03\2023	30\03\2023	7 Days
Chapter 7	01\04\2023	07\04\2023	7 Days
Chapter 8	08\04\2023	15\04\2023	7 Days

## **2.2 Analysis and Limitation of existing system**

### **The main limitations of the current system**

Associations seek to implement their purposes in various community development domains according to the rules and procedures set forth by the executive regulations subject to the opinion of the competent federation and approval of the administrative body, an association may operate in more than one field.

### **Associations that conduct the following purposes or activities are prohibited:**

1. Form military or Para-military formations or detachments Threaten national unity, violate public order or morality or advocate discrimination against citizens, an account of sex, origin, colour, language, religion, or creed.
2. Practice any political or trade union activity exclusively restricted to political parties and trade unions.
3. Seek profit or practice any profit-oriented activity.

## **General rules**

- Exemption from registration and entry duties, payable by the association in all types of contracts to which it may be party to, such as contracts of ownerships, mortgage, or other rights in kind.
- Exemption from taxes and stamp duties currently or to be in future levied on all contracts, powers of attorney, printed material, and records, etc.
- Exemption from customs, taxes and other duties on the imported equipment, tools, and production requirements as well as giveaways, donations, and aids from abroad, under a resolution by the prime minister based on a proposal by the Minister of Social Affairs and presentation by the Minister of Finance, on condition that these objects are necessary for its main activity.
- The association may set up service and productive projects to increase the input.
- The association shall keep at its management centre the relevant documents, registers, and correspondence. The executive regulations define such records and how to use them and the data contained. These records shall be stamped before being used by the administrative body.
- The association undertakes to deposit with a bank or a saving fund, its cash funds in its same registered name. The association shall expend its own funds in such manner as may fulfil its purposes. It may invest its surplus income in areas of guaranteed gain that ensure a fixed source of income or reinvest same in its productive or service projects. In all cases, associations shall refrain from engaging into financial speculations. The executive regulations shall define cases and conditions for investing the association's funds.

## **The things that making the current system operate slowly**

Certainly, any application is not without problems that make the application run slowly, which affects the process and the customer in general. Especially if the application is for charitable work and donations, so the processes and steps that the donor takes within the application must be simplified so that he can complete his goal, which is to donate to the cases presented by the institution and not to be inconsistent with completing this charitable process.

Therefore, facilitating the steps within the institution and the absence of obstacles in front of the donor increases the donation process and speeds up the completion of the goal of each case and the completion of the desired amount as soon as possible.

**Among these problems that hinder operations within any charitable organization and make it work slowly are the following:**

- Not explaining the operations within the institution in advance to the donor through an explanatory video or the like.
- The lack of special pages of the institution on social media in order to be able to share the cases of patients and those in need, in addition to publishing them on the institution's website, which increases and speeds up the process of completing the value of case treatment in record time.
- Limiting some currencies to the exclusion of others, which constitutes an obstacle for the donor in the process of transferring money.
- The lack of public means of payment of all kinds or simple means that would enable any donor, regardless of the payment services available to him in his environment, to donate with ease.
- There are many requirements for personal information when the customer registers for the first time on the site and the steps are not facilitated, which makes him conflict and not complete the donation process.
- Supporting the Foundation's website for some countries and languages but not others, which constitutes an obstacle to the donor. Accepting cases from countries or regions without the other, in relation to the institution's origin or headquarters

## **2.3 Need for the new system**

**Our project has new features than the old systems have that's why our new system for collecting donations apply the following features :**

- Chat bot :**

Using artificial intelligence (AI) software that makes use of message applications, blogs, and telephones to simulate a conversation or a chat with a person. Chabot is a program designed to automate a particular process.

- Filtration:**

Using a filter for our user and admin to ease the process of finding different cases.

- Multiple donation methods :**

Our user can donate money and there are two options of donating the money:

1. Make a normal donation for one case or more once.
2. Permanent donation that he can donate per day ,per month or even per year for random cases or urgent cases. Our user can donate medical equipments to hospitals or donate supplies that the patient needs, such as a wheelchair.

## **2.4 Analysis of the new system**

### **2.4.1 User requirements**

- This explains what the user will get through the site or application that you are using or the user what will it does inside the system?
- Often referred to as user needs, describe what the user does with the system, such as activities which users should be able to do. User requirements are generally documented in the User Requirements Document (URD) using narrative text. User requirements are signed in Generic by the user and used as the primary input for creating system requirements.

## **Our Sesame will consist of three users:**

### **1 - The visitor: "the big donor":**

#### **Operations that can be performed within the application:**

- Through the main menu (he can see all the cases available for donation and all the details concerning the specific case - View all the cases that have donated their hands and all the details about the case)
- He can search for a specific case, using the case number, and then the application displays all details of the case number
- He can see all the companies donating and supporting the project
- He can communicate with the platform through technical support (to inquire about a problem ,a topic ,or a specific case (by sending a message containing details of the problem).
- He can see more details about the site and what are our goals and what distinguishes us from others donation campaigns
- After that, he can also register on the site if he wants with ease

## **2- User:**

- It can perform all the operations of the "visitor".
- He can create an account for the platform by registering his basic data (Name - Address - Nationality - Mobile Number)
- He can then log in (using username or email - password)
- He can modify his data from (name - address - email - password - mobile number)
- He can donate to any case after knowing all its details.
- Several cases in which he wishes to donate can be collected in the “basket” and see the full amount of payment.
- See all possible ways to donate.
- Submit a request to add a case for donation, after filling in the data for the case.
- He can receive notifications via the platform (after any payment transaction made - or an amendment to his private data - or approve the request submitted to add a case on the platform)

### **3- Admin:**

- Log in to the platform
- Modify his data (name - email - password)
- See all cases registered on the platform (completed cases - cases available for donation)
- See all the details of a specific case
- See all the requests submitted, he can add a case
  - He can approve the request "with the addition of some notes"
  - Delete the request
  - Requesting modification from the user of some data to complete The process and approve it
- See all users on the platform
- He can also add another admin to the platform
- View the complaint submitted by users or visitors

Often referred to as user needs, describe what the user does with the system, such as what activities that users must be able to perform. User requirements are generally documented in a User Requirements Document (URD) using narrative text. User requirements are generally signed off by the user and used as the primary input for creating system requirements.

Many user requirements deal with how a user will interact with a system and what that user expects.

## **2.4.2 System Requirements:**

This is considered the answer to the question - How will this system build? What software, hardware and network which will you work on?

- I mean, what is the software that I use for my son to appreciate this system?
- My data base is where I use it, for example, or where is it?
- What programming languages are used in my system?

## **2.4.3 Domain Requirements / Business Requirements**

This is what the business needs and will benefit from by making this application or this web site

- What benefited from the work of this system in terms of the system, I mean, I am now an example of the worker in a system for selling cars and to be able to achieve a certain goal, and this means.
- They agreed to integrate the objectives of the project with the objectives of the stakeholder
- Ensure that the BRD achieves a very wide and measurable set of process goals and that they meet customer requirements
- It will be adjustable and changeable
- Like you can write the BRD:

You write "the name of the project and then "the goal you want to achieve" and then write "Why do you want to achieve this goal"

The "1M Brother" platform is based on collecting donations from government institutions and donors, and through online platforms in order to help people with rare diseases significantly and also cases that cannot pay for treatment or surgery.

## **2.4.4 Functional Requirements**

### **1- Registration:**

- The User must log in first:

A- The user logs in by Username–Gmail – Password – Confirm  
Password

B-The Data will be saved in the database

C- The user becomes registered in the system.

D-Who uses this:

- Users who are visiting the site for the first time.

### **2-login As User:**

- The user tries to get into the system:

A-The user tries to enter after the site by Gmail and Password if the data is correct, if the data is incorrect there appears to him error message.

B- Now the user can use the site if he is going to donate or place an order.

C-Every User can edit his profile {Username – Gmail –Password}

D- Who uses this:

- Any user who wants to benefit from the services of the site

### **3-login As Admin:**

- The admin tries to get into the system
  - A- Log in to the system by username and password
  - B-Can add or delete or update any Case
  - C-Can Update his profile
  - D- Can See all the details that are specific to a particular case
  - E- Can See all requests and can add it to the system or delete it
  - F-Can add another admin to the system

### **4- Donation Process:**

- This process is for people who want to donate to cases.
  - A. After the user login to the system.
  - B. The donor can see and read about the cases on the site to donate to.
  - C. Of course, the existing cases will be accompanied by some pictures and videos.
  - D. The donation process is done through bank accounts, text messages or other methods.

## **5-Submit a request:**

- The user will be able to submit a request to the site to collect donations for a situation:
  - A. After the user login to the system, he can submit a request for a situation.
  - B. The application is submitted by filling in some data about the case such as name, age, phone number, residential address, photo ID and copy of medical report
  - C. The request will be sent to the admin and then the admin will add it or delete it

## **6- Campaign Participation:**

A-After approval, the campaign appears on the main page of the site along with the rest of the campaigns and visitors can start to see the details about it, donate to it and see what has been reached from the amount to be collected

B- Visitors can start communicating with cases through chat to learn more information about their solutions.

C- The case holder can make videos or Lives to help spread their campaign through the site to get the donation

## **2.4.5 Non- Functional Requirements**

### **1- Performance Requirements:**

- 1-The system supports the use of multiple users at the same time.
- 2- The database should be normalized to prevent redundant data and improve the performance.
- 3- The database should be distributed to prevent outages.
- 4- We will make database backup several times.

### **2- Safety Requirements:**

The database may crash at any certain time due to virus or operating system failure. Therefore, it is required to take the database backup.

### **3- Security Requirements:**

- 1- The system should be completely Consistent and Secure.
- 2- Keep specific history data sets.
- 3- Communication needs to be restricted when the application is validating the user.

## **4- Software Quality Attributes:**

The Quality of the System is maintained in such a way so that it can be very user friendly to all the users.

1. **Availability:** Because this web site is critical to examination online process, we will have a goal of four nines (99.99%) availability.
2. **Correctness:** The web site should never allow anyone to edit a profile not intended for that person.
3. **Maintainability:** The web site should use continuous integration so that features and bug fixes can be deployed quickly without downtime.
4. **Usability:** The interface should be easy to learn without a tutorial and allow users to accomplish their goals without errors.

**The software quality attributes are assumed as under:**

- 1- Accurate and hence reliable.
- 2- Secured.
- 3- Fast speed.
- 4- Compatibility

## **5-Business Rules:**

- 1- Publish cases to the site and to all users.
- 2- The user can donate to more than one case and not just one case.
- 3- There will be an update of the amount of money collected for each case.

## **2.5 Advantages of the new system**

- Initially, the system aims to raise funds, so the system will provide all possible means of fundraising through Visa - Fawry - Vodafone Cash - and other methods.
- The system will not focus on a specific type of case to collect donations for, but there will be many different sections and cases where we include all the problems of society.
- The system will allow the user to submit a request for a case to be added to the site and not only the site can publish the cases.
- The donation campaign can be shared on social media sites to increase financial support also to reach many cases.
- The cases that will be donated will be accompanied by some videos and photos as well as pictures from some medical reports.
- There will be a continuous update of the site where new cases are added and cases that have been donated are deleted.
- It will ensure complete confidentiality for some donor users of the cases.
- The site will be responsive to all screen devices such as computers or telephones and so on.

## **2.6 Risk and Risk Managements**

### **Risks:**

1. Failure of the fundraising strategy and the inability to earn the trust of the donors.

**Probability:** High

2. Insufficient donations to achieve our goals and raise funds for cases presented on our website

**Probability:** High

3. Reliance on few sources of income

**Probability:** High

4. Data loss of the donors and funders in the database

**Probability:** Low

5. Security problems may occur in the project when the correct data encryption method is not determined, and someone tries to penetrate the site

**Probability:** Low

6. System Crash due to undetected bugs and errors.

**Probability:** Low

## **Risk Management:**

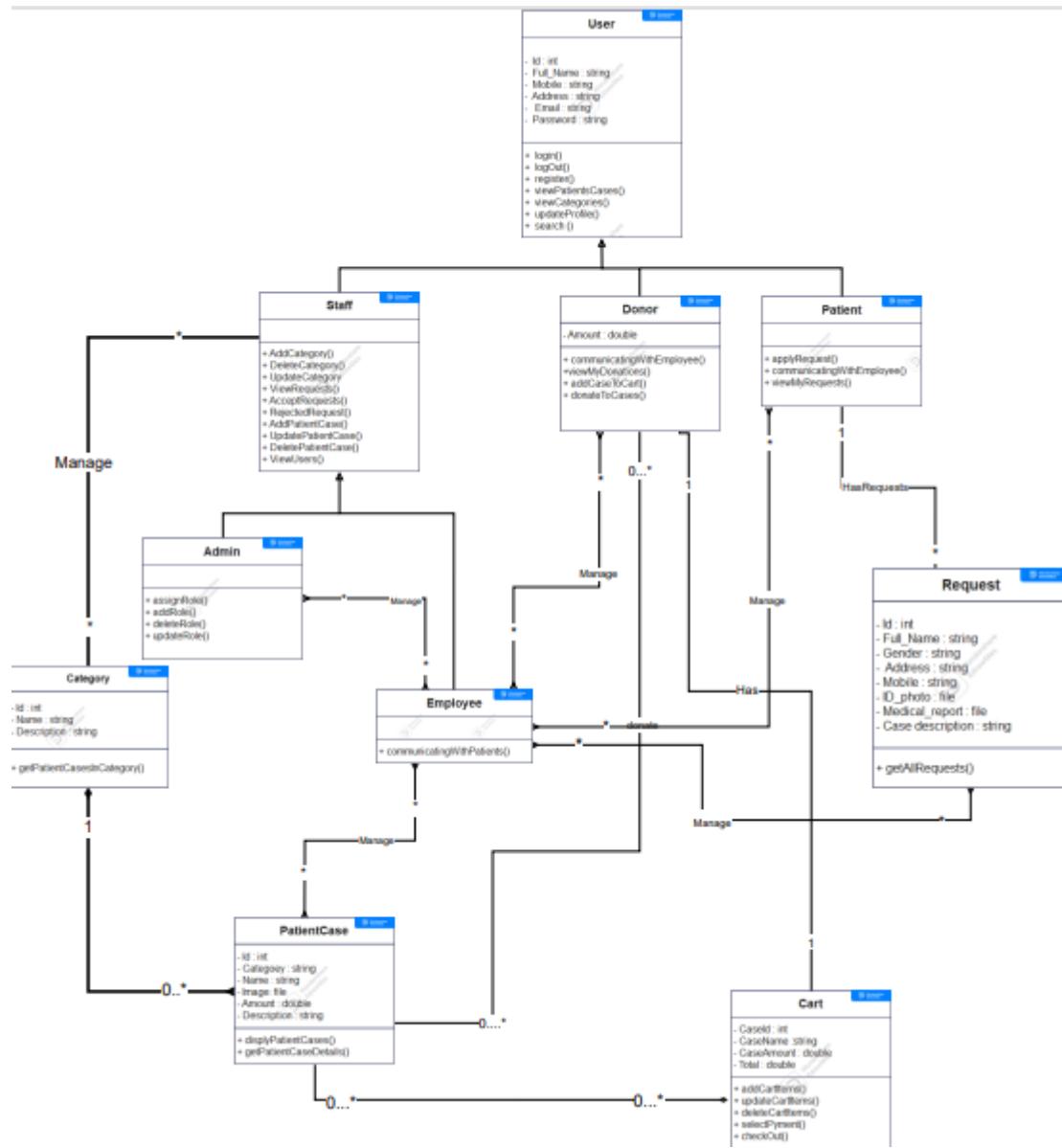
1. Develop a strong fundraising strategy, clearly display all site goals, and reveal our intentions to help those in need without profiting from donations
2. Searching for strong sponsors and supporters to raise the required funds for the cases presented on our website
3. Data backup and encryption. Ensure that we have several copies of it. Keeping the copies separate and store them on an external hard drive.
4. Only authorized persons can access this data. Encrypt sensitive data to prevent big losses
5. Do more than one security test and protect the server with the best protection available to preserve data.
6. Testing the system regularly and testing it when adding a new update to identify and fix any errors or bugs before they become failures and crash the system.

# **Chapter 3**

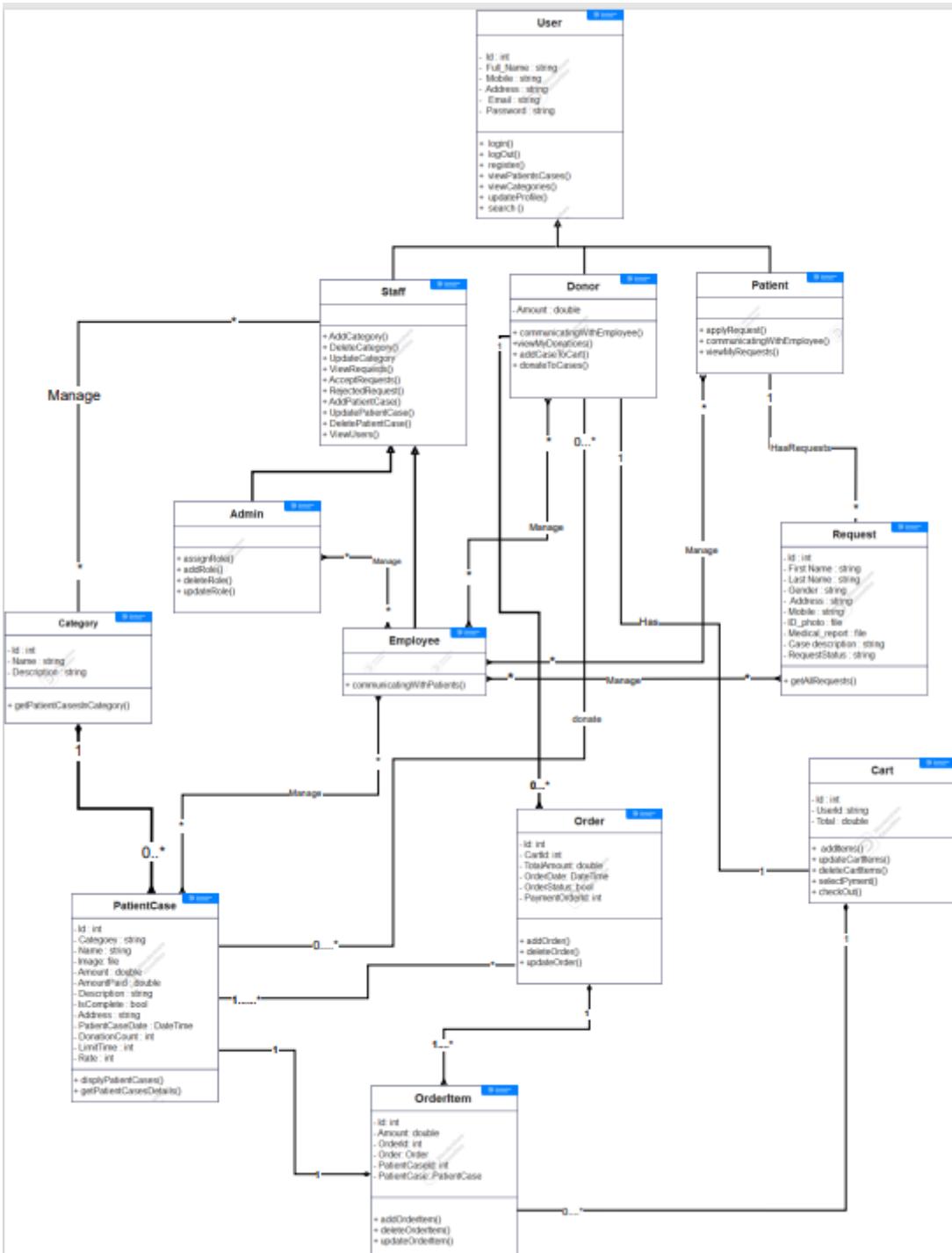
## Software Design

## 3.1 Class Diagram:

### 3.1.1 Class Diagram first version:

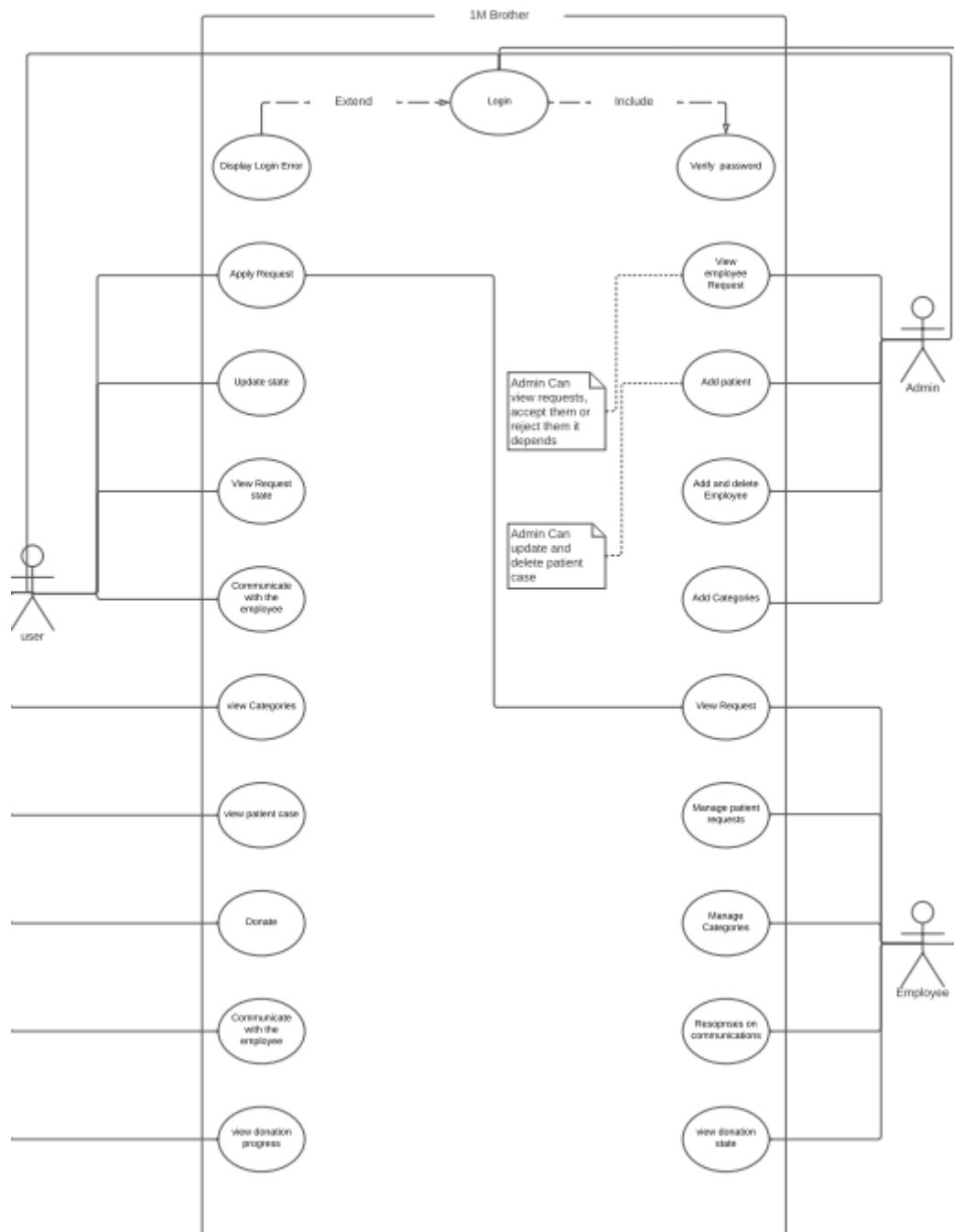


### 3.1.2 Class Diagram last version:

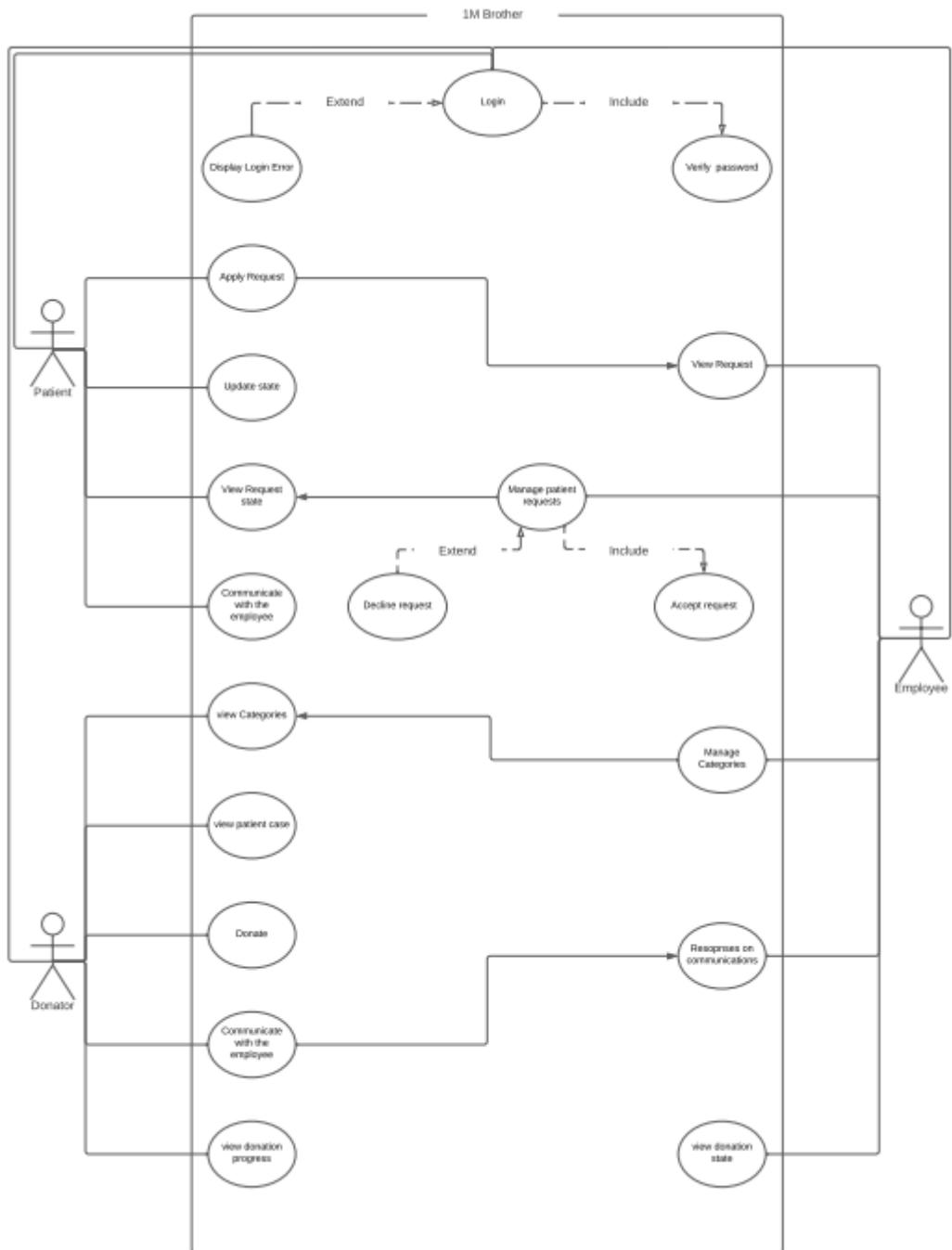


## 3.2 Use Case Diagram:

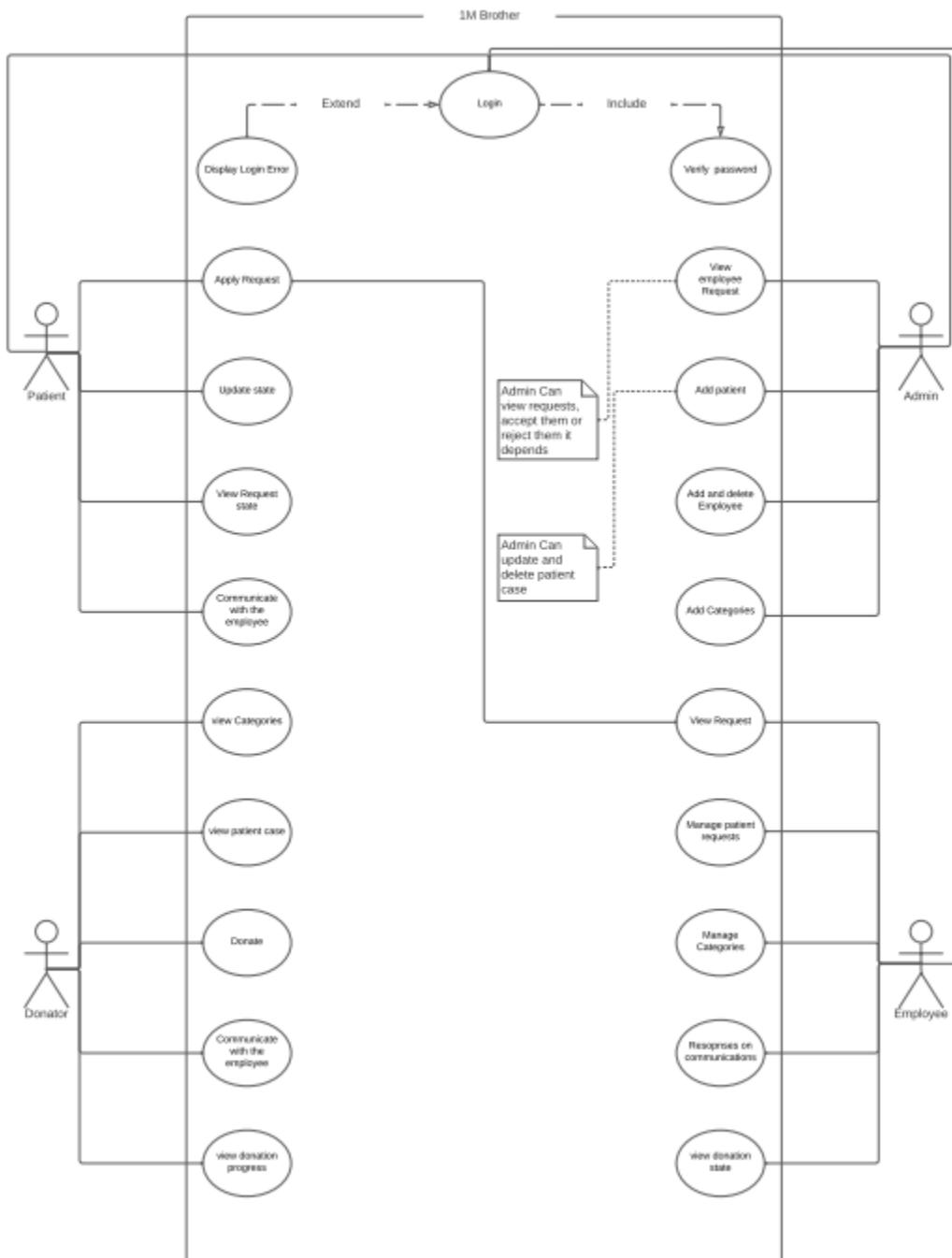
- User Use Case Diagram:



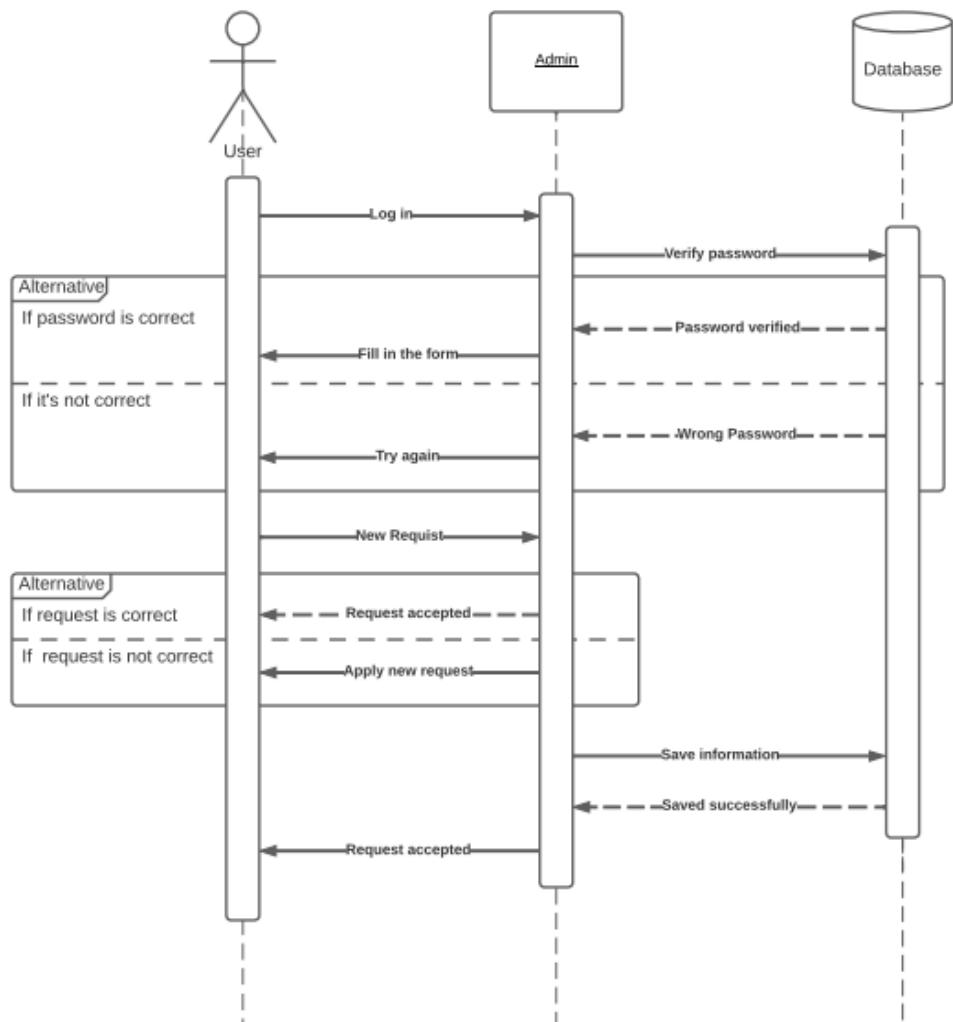
## • Detailed User Use Case Diagram:



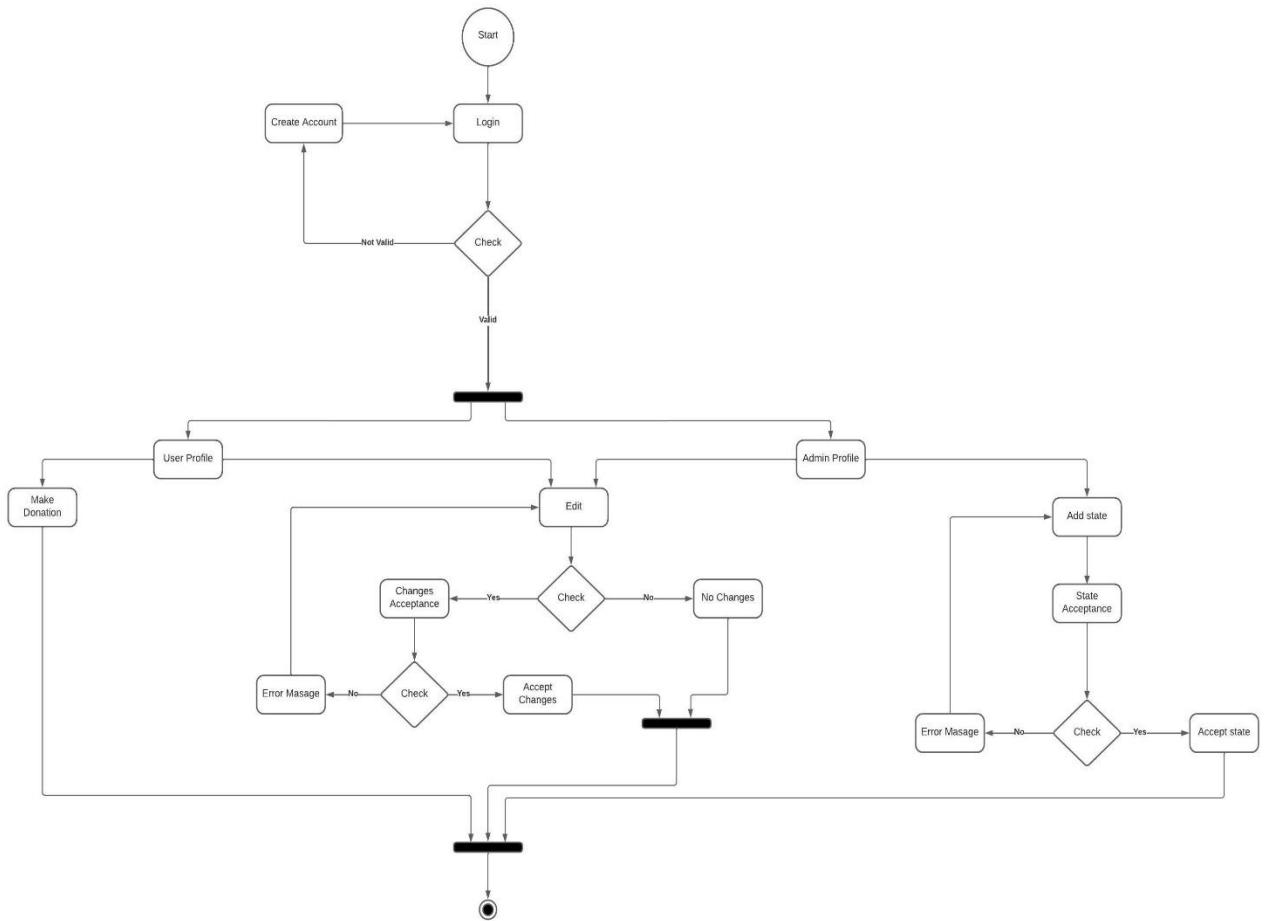
## • Total Use Case Diagram:



### 3.3 Sequence Diagram:



### 3.4 Activity Diagram:



# **Chapter 4**

## Implementation

## 4.1 Client-Side Architecture:

The client-side architecture of our donation website project follows a modern and responsive design using HTML, CSS, and JavaScript. We have utilized the React library to build reusable UI components and manage the state of the application.

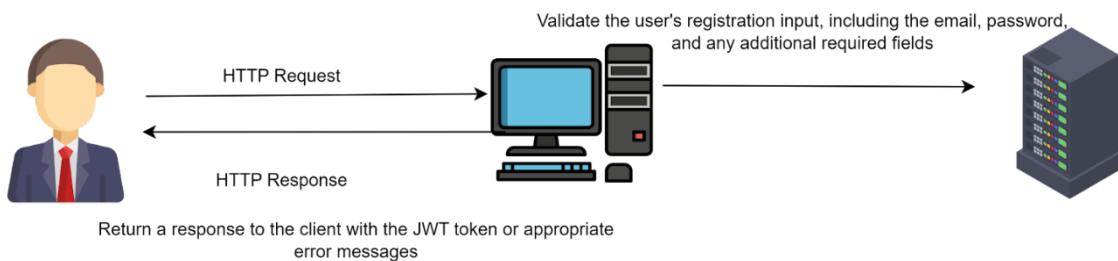
Example:

**UI Components:** We have divided the UI components into several modules, such as the donation form, donation list, user authentication, and case details. Each module consists of reusable React components responsible for rendering specific parts of the user interface and handling user interactions.

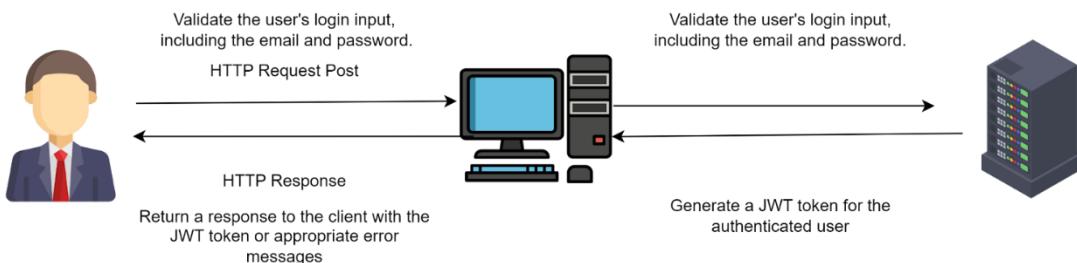
**State Management:** To manage the application state, we have integrated Redux, a popular state management library for React. Redux provides a centralized store that holds the application's data and allows components to access and update it.

**User Business logic :**

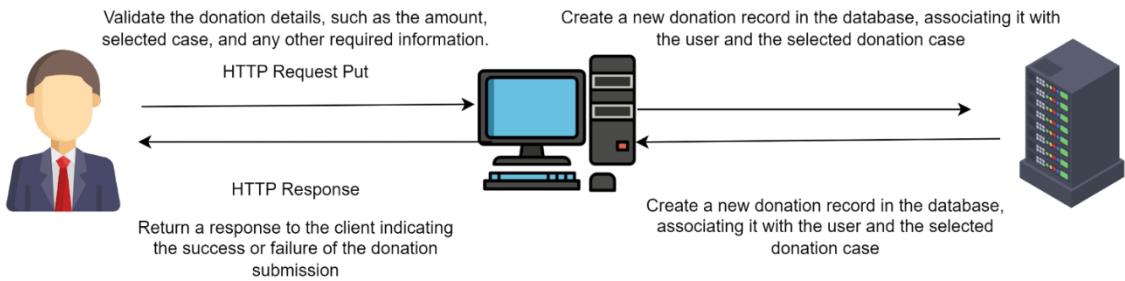
### 1. User Registration:



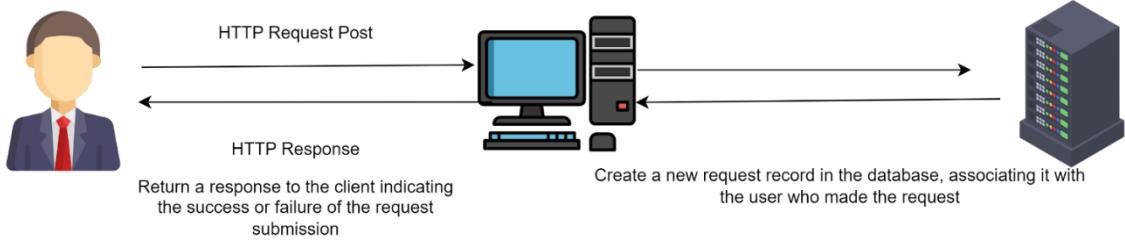
### 2. User login :



### 3. Donation Submission:



### 4. User request submission



## Server-Side Architecture:

### 1- Programming Language and Framework:

- Programming Language: C#
- Framework: ASP.NET Core 6 API

### 2- Data Access and Storage:

- Entity Framework (EF): EF is used for data access and provides an object-relational mapping (ORM) capability, allowing you to work with the SQL Server database using C# classes.
- SQL Server: The SQL Server database is used to store and manage data related to donations, cases, users, and other relevant information.

### 3- Authentication and Authorization:

- Identity: ASP.NET Core Identity is used for authentication and authorization. It provides a built-in membership system for managing user accounts, roles, and permissions.
- JWT (JSON Web Tokens): JWT is used for issuing and validating tokens for user authentication. When a user successfully logs in, a JWT token is generated and sent to the client, which is then included in subsequent requests for authorization.

### 4- Repository Pattern and Dependency Injection:

- Repository Pattern: The repository pattern is implemented to separate data access logic from business logic. It provides a consistent interface for interacting with the data layer.
- Dependency Injection: ASP.NET Core's built-in dependency injection container is used to manage dependencies and inject required services into various components of the application.

## **Overall Structure of the Server-Side Codebase:**

The server-side codebase can be structured as follows:

- 1- API Project: This project contains the API controllers, which handle incoming HTTP requests and return appropriate responses. It exposes endpoints for managing donations, cases, user profiles, and authentication.
  - Controllers: These classes contain action methods that define the API endpoints and handle the corresponding business logic.
  - Models: These classes define the data models used for input and output serialization.
- 2- Data Access Project: This project focuses on data access and database interactions.
  - Entity Framework Context: The EF dB Context class is responsible for database connectivity and manages the data models and their mappings to database tables.
  - Repositories: These classes provide an abstract layer for data access and encapsulate the logic for querying, updating, and deleting data.
- 3- Authentication Project: This project handles authentication and authorization functionalities.
  - Identity Configuration: This includes configuring ASP.NET Core Identity to work with JWT tokens, setting up user roles and permissions, and managing user registration and login.
  - Token Generation: The project includes logic for generating and validating JWT tokens based on user credentials.

## 4.2 Pseudocode

Admin Controller :

```
1. Funtion GetUersDetails()
2. request := List from GetUersDetails()
3. return Ok()
4. END Funtion
5. Function GetRoles()
6. result := List from GetRoles()
7. return Ok()
8. END Function
9. Function AssignRole(assignRole)
10.    assignRole is Producer Parmeter
11.    IF ModelState.IsValid != True THEN
12.        return BadRequest()
13.    END IF
14.    result := AssignRole(assignRole)
15.    IF result.Success == Ttue THEN
16.        return OK()
17.    END IF
18.    return BadRequest()
19. END Funtion
20. Funtion CreateRole(createRole)
21. createRole is producer Parmeter
22. IF ModelState.Isvaid != True THEN
23.     return BadRequest()
24. END IF
25. result := CreateRole(createRole)
26. IF result.Success == True THEN
27.     return OK()
28. END IF
29. return BadRequest()
30. END Funtion
```

---

AuthUser Controller :

```
1- Funtion GetAllUsers()
2- userCount := List From GetAllUsers()
3- return Ok ()
```

## Category Controller :

```
1-      Function GetAllCategory()
2-      category := List from GetAllCategories()
3-      return Ok ()
4-      END Function
5-      Function GetCategoryByID(id)
6-      category := GetCategoryByID(id)
7-      IF category == null THEN
8-          return NotFound()
9-      END IF
10-     END Function
11-     Function CreateCategory(dto)
12-     IF ModelState.IsValid == True THEN
13-         allowedExtensions != ".Webp" && ".jpeg" THEN
14-             return BadRequest()
15-         End IF
16-         result := CreateCategory(dto)
17-         IF result.Success == True THEN
18-             return OK()
19-         END IF
20-         return BadRequest()
21-     END IF
22-     return BadRequest()
23- END Function ()
24- Function UpdateCategory(id , dto)
25- IF ModelState.IsValid == True THEN
26-     IF allowedExtensions != ".Webp" && ".jpeg" THEN
27-         return BadRequest()
28-     End IF
29-     result := UpdateCategory ( id , dto)
30-     IF result.Success == True THEN
31-         return OK()
32-     END IF
33-     return NotFound()
34- END IF
35-     return BadRequest()
36- END Function
37- Function DeleteCategory(id)
38-     result := DeleteCategory(id)
39-     IF result.Success == True THEN
40-         return OK()
41-     END IF
42-     return NotFound ()
43- END Function
```

## Cart Controller:

```
1.      Function GetItems(cartID)
2.      CartItems := GetItems(cartID)
3.      IF CartItems == null THEN
4.          return NOTFound()
5.      END IF
6.      return OK()
7.      END Function
8.      Function GetItemsById(itemid)
9.      CartItem := GetItem(itemid)
10.     IF CartItem == null THEN
11.         return NOTFound()
12.     END IF
13.     return OK()
14.     END Function
15.     Function AddItem(cartItemAddDto)
16.     IF ModelState.IsValid == True THEN
17.         result := AddItem(cartItemAddDto)
18.         IF result.Success == True THEN
19.             return OK()
20.         END IF
21.         return BadRequest()
22.     END IF
23.     return BadRequest()
24.     END Function
25.     Function UpdateAmountItem(dto)
26.     IF ModelState.IsValid == True THEN
27.         result := UpdateAmountItem(dto)
28.         IF result.Success == True THEN
29.             return OK()
30.         END IF
31.         return NotFound()
32.     ENDIF
33.     return BadRequest()
34.     END Function
35.     Function DeleteItem(ItemId)
36.     result := DeleteItem(ItemId)
37.     IF result.Success == True THEN
38.         return OK()
39.     END IF
40.     return NotFound()
41.     END Function
42.     Function DeleteAll(cartId)
43.     result := DeleteAll(cartId)
44.     IF result.Success == True THEN
```

---

```
45.    return OK()
46. END IF
47. return NotFound()
48. END Function
```

---

### Cities Controller :

```
1.    Function GetAllGovernorates()
2.    Governorate := List from GetAllGovernorates()
3.    return OK()
4.    END Function
5.    Function GetCities(governorateld)
6.    Result := GetCities(governorateld)
7.    return Ok()
8.    END Function
9.    Function GetAll(dto)
10.   cat := new City
11.   AddAsync(cat)
12.   SaveChanges()
13.   return OK()
```

---

### OrderItems Controller:

```
1-    Function GetItems()
2-    result := List from GetItems()
3-    IF result == null THEN
4-    return NotFound()
5-    END IF
6-    return OK()
7-    END Function
```

---

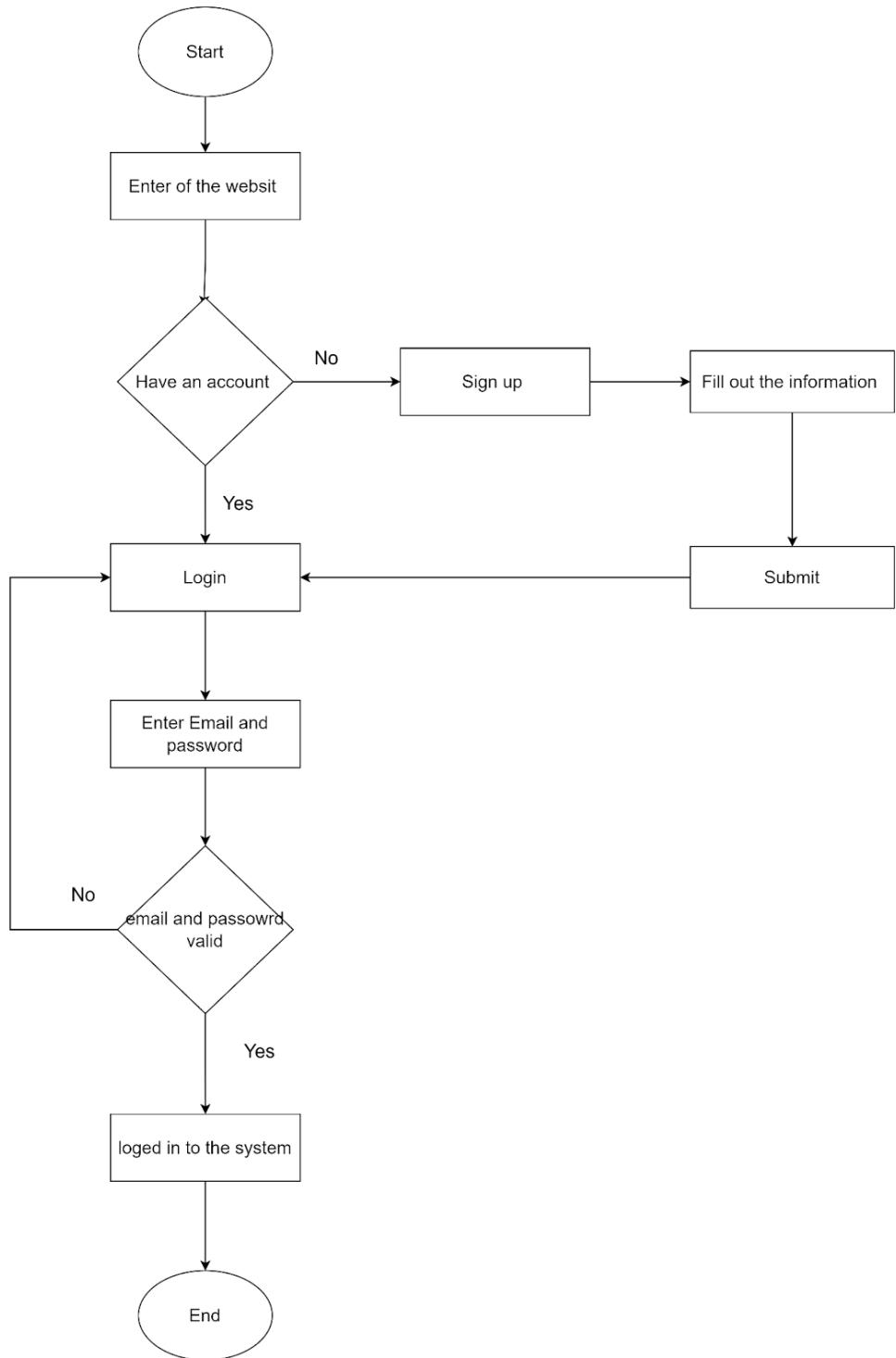
### Orders Controller :

```
1-    Function GetOrders()
2-    result := List from GetAllOrders
3-    return OK()
4-    END Function
5-    Function DeleteOrder(orderId)
6-    result := DeleteOrder(orderId)
7-    IF result.Success == True THEN
8-    return OK()
9-    END IF()
10-   return NotFound()
11-   END Function
```

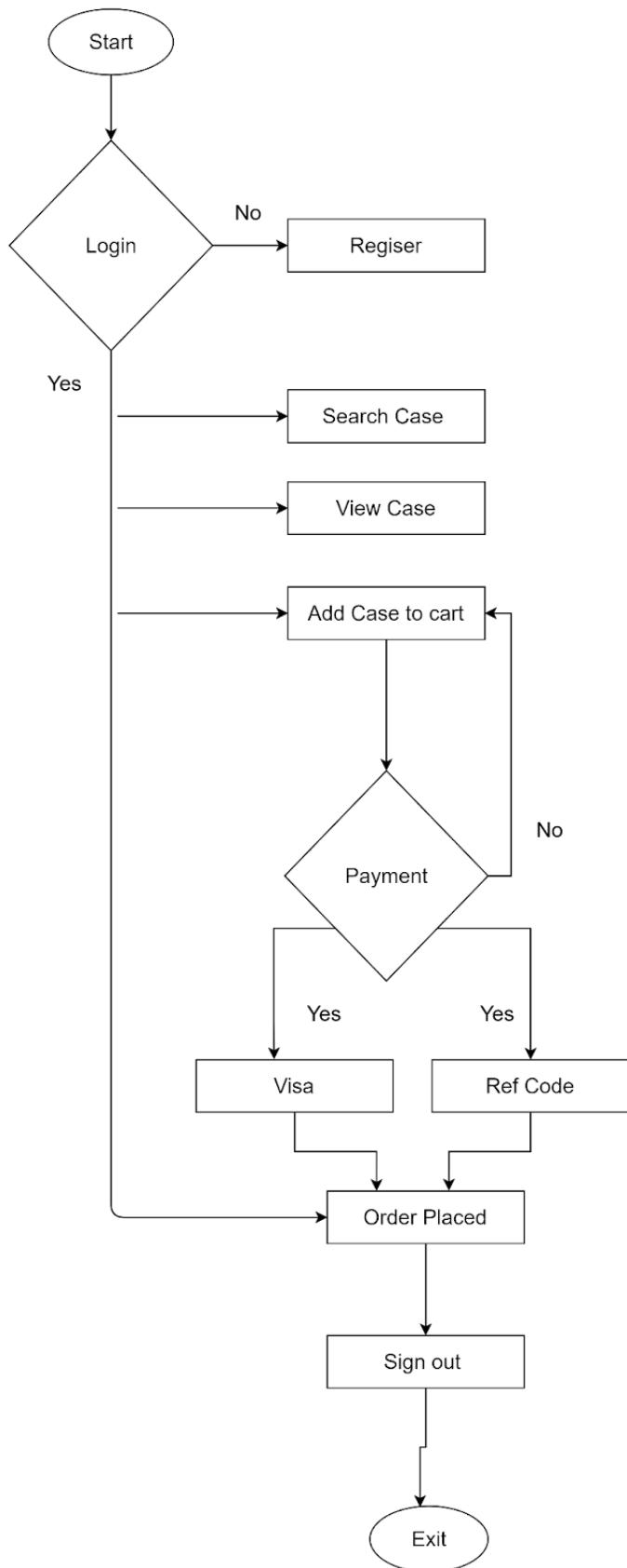
## PatientCase Controller :

```
1.    Function GetAll(page := 1, limit := 0)
2.    result := List from GetAllPatientCase(page , limit)
3.    return Ok()
4.    END Function
5.    Function AddPatientCase(dto)
6.        IF ModelState.IsValid == True THEN
7.            IF allowExtenstion != "Webp" && "jpeg" THEN
8.                return BadRequest()
9.            END IF
10.           result := CreatePatientCase(dto)
11.           IF result.Success == True THEN
12.               return Ok()
13.           END IF
14.           return BadRequest()
15.       END IF
16.       return BadRequest()
17.   END Function
18.   Function DeletePatientCase(id)
19.       result := DeletePatientCase(id)
20.       IF result.Success == True THEN
21.           return OK()
22.       END IF
23.       return NotFound()
24.   END Function()
25.   Function UpdatePatientCase(id , dto)
26.       IF ModelState.IsValid == True THEN
27.           IF allowExtenstion != "Webp" && "jpeg" THEN
28.               return BadRequest()
29.           END IF
30.           result := UpdatePatientCase(id , dto)
31.           IF result.Success == True THEN
32.               return OK()
33.           END IF
34.           return NotFound()
35.       END IF
36.       return BadRequest()
37.   END Function
```

## Flow Chart : user Authentication :



## Donation Submission :



# **Chapter 5**

## **Testing**

# 5.1 Test Cases

## Testing the SAVE Button in the application

TEST TITLE	PRIORITY	TEST CASE ID	TEST NUMBER	TEST DATE	PRIORITY KEY
Save button	HIGH	22033	1	22\4\2023	LOW
TEST DESCRIPTION	TEST DESIGNED BY	TEST EXECUTED BY	EXECUTION DATE		
Application crash on clicking the save button	Rahma Rashad	Rahma Rashad	24\4\2023		MEDIUM
STEP ID	STEP DESCRIPTION	TEST DATE	EXPECTED RESULTS	ACTUAL RESULTS	PASS / FAIL
1	Open the Application	24\4\2023	0	0	Pass
2	Sign up	24\4\2023	No Delay	No Delay	Pass
3	Filled all user information	24\4\2023	No Delay	Delay in Loding the images	Pass
4	Clicked on save button	24\4\2023	On clicking save button should prompted to success message	Application Crashes	Fail

## Testing the LOGIN in the web page

TEST TITLE	PRIORITY	TEST CASE ID	TEST NUMBER	TEST DATE	PRIORITY KEY
Login	HIGH	22043	1	22\1\2023	LOW
TEST DESCRIPTION	TEST DESIGNED BY	TEST EXECUTED BY	EXECUTION DATE		
testing the login functionality	Rahma Rashad	Rahma Rashad	24\1\2023		MEDIUM
STEP ID	STEP DESCRIPTION	TEST DATE	EXPECTED RESULTS	ACTUAL RESULTS	PASS / FAIL
1	Open the web brouser	24\1\2023	0	0	Pass
2	Open the link	24\1\2023	No Delay	No Delay	Pass
3	Click on the login icon	24\1\2023	No Delay	Delay in Loding the images	Fail
4	Fill in your informations	24\1\2023	no errors in the fields	no errors in the Fields	Pass
5	Click the botton	24\1\2023	no errors in the botton	Regester succeeded	pass

## 5.2 Bug Reports

### Bug Report 1

**Bug Summary /Name:** Application crash on clicking the SAVE button while creating a new Account

**Bug ID:** 023045

**Build Number:** Version Number 5.0.1

**Severity:** High

**Priority:** High

**Assigned to:** Abdul Rahman Hatem

**Reported By:** Rahma Rashad

**Reported On:** 23\02\2023

**Status:** New

**Environment:** Virtual Studio

**Description:**

Application crash on clicking the save button while creating a new account So the user can't create anew account

**Steps To Reproduce:**

- 1) Open the Application
- 2) Sign up
- 3) Filled all the user information fields
- 4) Clicked on 'Save' button.

**Expected result:** On clicking SAVE button, should be prompted to a success message "Your account is successfully created".

**Actual result:** Application crash on clicking the SAVE button while creating a new user.

## Bug Report 2

**Bug Summary /Name:** Delay In loading images

**Bug ID:** 023048

**Build Number:** Version Number 5.0.1

**Severity:** High

**Priority:** High

**Assigned to:** Ali Hatem

**Reported By:** Rahma Rashad

**Reported On:** 07\04\2023

**Status:** New

**Environment:** Virtual Studio

**Description:**

When reloading the login page in your ReactJS application , the page's background image was loading slowly or loading in parts.

**Steps To Reproduce:**

1) Open the web page

2) Click the login icon

**Expected result:** "On loading the login page the image should load faster ".

**Actual result:** the image load slower than expected .

# **Chapter 6**

## **Results**

## **6.1 Results:**

### **6.1.1 Expected result:**

As we mention earlier in Our Project 1M Brother the user Should be able to rejecter as a donner or a patient and should be multiple Options for making donation Like Make a normal donation for one case or more once. Or Permanent donation that he can donate per day ,per month or even per year for random cases or urgent cases or our user can donate medical equipment's to hospitals or donate supplies that the patient needs, such as a wheelchair. Using a filter for our user and admin to ease the process of finding different cases.

## 6.1.2 Actual results

- Screens Of the Webpage :

The registration page:

The registration page allows users to create an account by providing their full name, username, email address, and password. Once the required information is filled out, users can proceed by clicking the registration button to successfully create their account. This page serves as the initial step for users to join the donation platform, enabling them to participate and make a positive impact through their contributions. Upon creating their account, users will have access to additional features such as tracking donation history, managing personal information, and exploring potential cases and projects to donate to.

The image displays two screenshots of the One Million Brother Platform for Donations website. The top screenshot shows the registration page with fields for name, username, email, and password, and a 'Continue' button. The bottom screenshot shows the footer with links to social media, payment methods (Paymob), and legal information.

Top Screenshot (Registration Page):

- Header: منصة مليون إخ شروعات (One Million Brother Platform For Donations)
- Logo: A green stylized flower or leaf icon.
- Form Fields:
  - الاسم بالكامل
  - اسم المستخدم
  - الايميل
  - كلمة السر
- Continue Button: متابعة
- Text at the bottom: لديك حساب بالفعل؟ اضغط هنا
- Header navigation: تسجيل الدخول, المنتجات, المقالات, الاطباء, من نحن
- Search bar: ملايين إخ

Bottom Screenshot (Footer):

- Logo: One Million Brother Platform For Donations
- Social Media Links: YouTube, Instagram, Twitter, WhatsApp, Facebook
- Payment Methods: طرق الدفع (Paymob)
- Links: الروابط الهامة (Links)
  - من نحن
  - الشروط والأحكام
  - الخصوصية
  - المساعدة

The login page :

The login page provides a secure gateway for users to access their accounts on the website. Users can enter their email address and password, and upon clicking the submit button, they will be able to log into the website. This page ensures a seamless and authenticated login process, allowing users to access their personalized profile, saved information, and participate in donation activities. By utilizing the login page, users can easily connect to the website and engage in meaningful contributions to various causes.

The screenshot shows the login interface of the platform. At the top, there is a navigation bar with Arabic text: منصة مليون إخ للفروعات (One Million Brother Platform For Donations), a magnifying glass icon for search, and the logo 'مليون إخ' (One Million Brothers) which includes a stylized green flower-like icon. Below the navigation bar, there is a large banner image showing several smiling children. On the left side of the banner, there is a form for logging in, featuring fields for email and password, and a 'Login' button. The right side of the banner has a teal-colored sidebar containing links for 'طرق الدفع' (Payment Methods) with the 'paymob' logo, and 'الروابط الهامة' (Important Links) with links to 'من نحن' (About Us), 'الشروط والأحكام' (Terms and Conditions), 'الخصوصية' (Privacy), and 'المساعدة' (Help), along with a WhatsApp icon.

The forget password :

The forget password page offers a solution for users who have forgotten their password. In the event of forgetting their password, users can visit this page and enter their registered email address. By submitting the email address, the system will initiate the process of regenerating a new password. This ensures a convenient and secure way for users to regain access to their account. Through the forget password page, users can easily recover their account and continue their engagement with the donation website.

The screenshot shows the 'Forgot Password' page of the website. At the top, there is a navigation bar with links for 'المنتجات' (Products), 'المقالات' (Articles), 'الاطباء' (Doctors), 'من نحن' (About Us), and a shopping cart icon with a red notification badge. On the right side of the header is the website's logo, 'مليون اخ' (One Million Brothers) with a green stylized flower icon. Below the header, there is a search bar with a magnifying glass icon. The main form area has a light gray background and contains the following text in Arabic: 'ادخل الايميل الخاص بك لاستعاده كلمه السر' (Enter your email to reset your password). Below this is a text input field with placeholder text 'الايميل...' (Email...) and a teal-colored button labeled 'ارسال الكود' (Send the code). At the bottom of the page, there is a dark footer bar containing the website's name 'مليون اخ للزرعات' and 'One Million Brother Platform For Donations', along with social media icons for YouTube, Instagram, Twitter, Facebook, and WhatsApp. To the right of the footer, there are sections for 'طرق الدفع' (Payment Methods) showing 'paymob', 'الروابط الهامة' (Important Links) with links to 'من نحن', 'الشروط والأحكام', 'الخصوصية', and 'المساعدة', and a WhatsApp icon.

The home page :

The home page serves as a central hub where users can explore all the categories and cases available on the donation website. Users can browse through a wide range of categories, each representing a specific cause or area of need. Additionally, the home page showcases both ongoing and completed cases, providing a comprehensive overview of the impact already made. Users have the freedom to select and choose from the available cases to make their desired donations. With a user-friendly interface, the home page enables users to discover and support causes that resonate with them, fostering a sense of community and philanthropy.

الملحقات | المدونات | المنشورات | المدحومات | من نحن

# لا تكن وحيداً، انضم إلينا في موقع مليون اخ لتجد المساعدة التي تحتاجها



**التصنيفات**

المزيد ←


**أمراض العيون**


**أطفال**


**عظام**


**سرطان الرئة**

**تبرع الان**

المزيد ←

### العمليات الجراحية

النهاية، التبرع، الذهاب (النهاية، الذهاب)

المرضى يعيشون من النهاية من، حتى الأماكن من العين، ...

أمراض العيون  الدفن  لم يتم التبرع بعد  أضف مبلغ 

2,330 جنيه

### زكاتك

ركن تؤدية، وصمدمة نسبيه

الطفل يعيش من الدخان من الأطفال ...

اطفال  ملقط  لم يتم التبرع بعد  أضف مبلغ 

1,290 جنيه

### زكاتك

ركن تؤدية، وصمدمة نسبيه

الطفل يعيش من طفيف حدي وحده وأخته ...

اطفال  ملقط  لم يتم التبرع بعد  أضف مبلغ 

1,600 جنيه

### العمليات الجراحية

النهاية، التبرع، الذهاب (النهاية، الدخان)

المرضى يعيشون من العين في الدخان من، حتى العين أو الدخان ...

عيون  العمر  لم يتم التبرع بعد  أضف مبلغ 

2,120 جنيه

**الإنجازات**

المزيد ←


**المستخدمين**  
**4**


**الحالات المكتملة**  
**2**


**الحالات الجديدة**  
**30**

**الحالات المكتملة**

المزيد ←

### زكاتك

ركن تؤدية، وصمدمة نسبيه

النهاية للأجهزة المعروفي

الطفل يعيش من النهاية في الماء من ما يعيشون، ...

اطفال  الماء  100%  من الأشخاص من حالة

**الأسئلة الشائعة**

ما هو الهدف من منتدى دعم التبرعات؟

كيف يمكنني التبرع؟

هل يمكنني التبرع بأي عملة؟

هل يمكنني التبرع بأي مبلغ؟

هل يمكنني التبرع بشكل متكرر؟

الروابط الهامة

- < من نحن
- < الشروط والأحكام
- < الدعموصحة
- < المساعدة

طرق الدفع

paymob

المزيد ↑

One Million Brother Platform For Donations

Facebook | Instagram | Twitter | LinkedIn | YouTube | GitHub | Telegram

The "Case Details" page provides users with comprehensive information about a specific case. Users can access this page to view all the details related to the case, including its name, description, objectives, and any associated images or documents. In addition to accessing information, users can also make donations directly from this page to support the case's cause. Furthermore, users have the option to share the case on various social media platforms, allowing them to raise awareness and encourage others to contribute. This page serves as a hub of information and action, empowering users to make informed decisions and actively participate in making a positive impact.

The screenshot shows a detailed view of a donation case. At the top, there's a navigation bar with a shopping cart icon, a user profile for 'Jane Smith', and links for 'المنتجات', 'المقالات', 'الاطباء', 'من نحن', and a search bar. Below the navigation is the title 'التهاب العين الأمامي (التهاب الأمامية)' with social sharing icons (LinkedIn, WhatsApp, Twitter, Facebook). A progress bar indicates '2,330 جنيه' has been raised towards a goal. The case description includes a link to 'أمراض العيون' and a 'الدفي' button. To the right is a large image titled 'العمليات الجراحية' showing a medical procedure. At the bottom, there are buttons for 'اضف مبلغ', 'نزع الادن', and a 'صفحة مبلغ' button.

The footer features the 'One Million Brother Platform For Donations' logo with Arabic and English text. It includes social media icons for YouTube, Instagram, Twitter, and Facebook. On the right, there are sections for 'طرق الدفع' (Payment Methods) showing 'paymob', 'الروابط الهامة' (Important Links) with links to 'من نحن', 'الشروط والأحكام', 'الخصوصية', and 'المساعدة', and a WhatsApp icon.

The cart page:

The cart page offers users a centralized platform to manage their donations. It provides a comprehensive view of the selected cases and enables users to perform various operations in a systematic order. Users can easily navigate through the cart page to:

1. View Cases: The page displays a list of cases chosen by the user, showcasing the relevant details and donation amounts.
2. Adjust Donation Amount: Users can increase or decrease the donation amount for each case, tailoring their contributions based on their preferences.
3. Remove Cases: If desired, users can remove specific cases from the cart, ensuring their donation focus aligns with their intentions.
4. Add Cases: Users have the option to explore additional cases and add them to the cart, broadening their impact across multiple causes.
5. Complete Payment: Once satisfied with the selection, users can proceed to the payment process, ensuring the secure and successful completion of their donations.

By offering these functionalities in a sequential order, the cart page empowers users to have full control over their giving experience, allowing them to make informed decisions and contribute to the causes they are passionate about.

The screenshot shows a user profile for 'Jane Smith' at the top left. The main content area displays a list of donations:

- نهايات العين** (2120 جنية)
- المربي يعاني من التهاب في العين** (2120 جنية)

On the right, there is a sidebar titled 'العمليات الجراحية' (Surgical Operations) featuring a green background image of a surgeon.

The footer includes:

- Logo: 'مليون إخ' (One Million Brother Platform For Donations)
- Social media icons: YouTube, Instagram, Twitter, LinkedIn, Facebook.
- Payment method: 'طرق الدفع' (Payment Methods) - Paymob
- Important links: 'الروابط الهامة' (Important Links) including 'من نحن', 'الشروط والأحكام', 'الخصوصية', and 'المساعدة'.

After Make Donation successfully

A large 'Success' message box is centered, reading:

تم الدفع بنجاح  
شكرا لك على ثقتك بنا  
الذهاب الى تبرعاتي

The rest of the page is identical to the previous screenshot, showing the header, navigation menu, and sidebar.

The user profile page:

The user profile page serves as a personalized space where users can access and manage their account information. It provides a comprehensive overview of their details, allowing users to view and update their personal information such as name, phone number, and address. Additionally, users have the option to change their password for enhanced security and account management. This page acts as a centralized hub for users to maintain and modify their profile, ensuring that their information is up to date and accurate. By empowering users with control over their account settings, the user profile page offers a seamless and user-friendly experience, enabling individuals to tailor their donation journey and engage with the platform effectively.

The screenshot shows the user profile page of the 'One Million Brother Platform For Donations'. At the top, there's a navigation bar with links for 'المنتجات' (Products), 'المقالات' (Articles), 'الاطباء' (Doctors), 'من نحن' (About Us), and a search icon. On the left, a sidebar lists 'طلبات' (Requests), 'حالي' (Status), 'ملف الشخصي' (Personal File), 'برعاني' (Benevolent), and 'إنشاء طلب' (Create Request). The main content area displays the user's profile information: 'Jane Smith' (اسم), 'janesmith@example.com' (اليميل), and 'janesmith@example.com' (العنوان). Below this, there are fields for changing the password: 'كلمة المرور' (Current Password) and 'كلمة المرور الجديدة' (New Password), with a 'حفظ كلمة السر' (Save Password) button. At the bottom, the footer contains the platform's logo, social media links (YouTube, Instagram, Twitter, Facebook), payment methods ('طرق الدفع' with 'paymob'), and a 'الروابط الهامة' (Important Links) section with links to 'من نحن', 'الشروط والأحكام', 'الخصوصية', and 'المساعدة'.

## The requestpage

The request page provides users with a platform to submit requests to the admin. Users can track their requests and provide relevant details by filling out a form. The form includes options to upload supporting documents, such as report photos or other related images. Users are required to input essential information such as the case name, description, personality, phone number, and address for the children involved. Once all the necessary information is provided, users can submit the request by clicking the designated button. The request will then be sent to the admin for review. Users will subsequently await a response from the admin regarding the acceptance or rejection of the request. The request page facilitates effective communication and ensures that users can actively engage with the admin to address specific needs or concerns.

مليون أخ

إنشاء طلب جديد

طلباتي

حالي

ملف الشخصي

برعايان

إنشاء طلب

صور البطاقة الشخصية

ادخل اسم الحالة

وصف الحالة

20+

تأريخ الميلاد

العنوان (مطلوب) \* داخل مصر

اختر المدينة

اختر المحافظة

ارسال الطلب

طرق الدفع

paymob

الروابط الهامة

من نحن

الشروط والأحكام

الخصوصية

المساعدة

The user orders page provides users with a comprehensive view of their order history and status. On this page, users can track the progress of their orders, including whether they have been accepted, rejected, or are still pending admin action. This feature allows users to stay informed about the status of their requests and take appropriate actions based on the updates. Users can easily navigate through the orders page to view the details of each order, such as order number, items purchased, and relevant dates. By providing transparency and real-time updates, the user orders page ensures that users have visibility into the status of their requests, facilitating effective communication and enhancing their overall experience on the platform.

The screenshot displays the user interface of the One Million Brother Platform for Donations. At the top, there is a navigation bar with links for 'المنتجات' (Products), 'المقالات' (Articles), 'الاطباء' (Doctors), and 'من نحن' (About Us). A search bar is located on the right side of the header. Below the header, a main content area shows a single order entry. The order details include: 'طلب رقم # 1 في انتظار الموافقة' (Order #1 pending approval), 'اسم المريض' (Patient Name: dfasdfasdfadf), 'الوصف' (Description: adfadfadf), and a thumbnail image of a medical document titled 'العمليات الجراحية' (Surgical Operations). To the right of the order details is a sidebar with options: 'طلبات' (Requests), 'طالي' (Pending), 'ملف الشخص' (Person File), 'برهان' (Evidence), and 'إنشاء طلب' (Create Order). At the bottom of the page is a dark footer bar containing the platform's logo, social media icons, payment method logos for 'paymob', and a 'روابط الهامة' (Important Links) section with links to 'من نحن', 'الشروط والأحكام', 'الخصوصية', and 'المساعدة'.

The "My Cases" page is a personalized space where users can find their accepted cases. It allows users to conveniently track and view the status of their submitted cases. By accessing this page, users can stay informed about their philanthropic contributions and the impact they have made. It serves as a central hub for users to reflect on their approved cases and the positive difference they have made through their donations.

The "My Donations" page is where users can find a comprehensive list of all the cases they have made donations to. This page allows users to track and view the details of their previous donations in a centralized manner. Users can easily access this page to see the cases they have supported, including the donation amounts and relevant information. It serves as a convenient reference point for users to review their philanthropic contributions and the causes they have positively impacted through their donations.

لقد تبرعت بمبلغ 5,380 جنيه في 1 مرات مختلفة
  
تبرعت في 03-06-2023 بمبلغ 5,380 جنيه
  
النهاب الأذن المزمن
  
[تفاصيل الحالة](#)
تبرعت بمبلغ 5,380 جنيه

طلبات
طالي
ملف الشخص
تبرعاتي
إنشاء طلب

طرق الدفع
paymob

الروابط المهمة

- [من نحن](#)
- [الشروط والأحكام](#)
- [الخصوصية](#)
- [المساعدة](#)

منصة مليون إخ للترعات
One Million Brother Platform For Donations

[YouTube](#)
[Instagram](#)
[Twitter](#)
[Facebook](#)
[LinkedIn](#)

The "Filter by Category" page provides users with the ability to refine their search for available cases based on specific categories. Users can access this page to explore a wide range of cases and apply filters to narrow down the results to their preferred category. By selecting a category, users can view a curated list of cases that align with their interests and philanthropic goals. This page facilitates a streamlined browsing experience, allowing users to easily find and engage with cases that resonate with their passions and values. It empowers users to discover meaningful causes within their desired category and make targeted donations to create a significant impact.

الCause	Description	Location	Target Amount	Current Progress	Action Buttons
سرطان الندى المقدم	المريضه تعاني من ورم سرطاني في الثدي ينسبب في نشوء...	المهندسين	لم يتم التبرع بعد	3,430 جنيه	[Buy Now] [Add to Cart] [View]
العمليات الجراحية	دعم علاج سرطان الثدي للنساء تشمل هذه الحالة سبعة بعشرين من سرطان الثدي ويحتاج...	المعادي	لم يتم التبرع بعد	50,080 جنيه	[Buy Now] [Add to Cart] [View]
السرطان الرئوى المقدم	المريض يعاني من ورم سرطاني في الرئتين يننسب إلى أح...	سيدي جابر	لم يتم التبرع بعد	3,209 جنيه	[Buy Now] [Add to Cart] [View]
مشروع غسيل الكلى		الجيزة	لم يتم التبرع بعد	500 جنيه	[Buy Now] [Add to Cart] [View]
زركتك	ركن تؤدية . وضدمة تشفيه	قайд	لم يتم التبرع بعد	54,087 جنيه	[Buy Now] [Add to Cart] [View]
زركتك	ركن تؤدية . وضدمة تشفيه	المتصورة	لم يتم التبرع بعد	9,087 جنيه	[Buy Now] [Add to Cart] [View]

**طرق الدفع**  
paymob

**الروابط الهامة**

- < من نحن
- < الشروط والأحكام
- < الخصوصية
- < المساعدة

One Million Brother Platform For Donations

The admin:

The "User Management" page is designed for admin access, providing an overview of all registered users on the website. Admins can utilize this page to efficiently manage user accounts and access detailed information for each user. By selecting a specific user, the admin can view and review all the relevant details associated with that user, such as their name, contact information, activity history, and account settings. This page offers an organized and centralized platform for admins to effectively oversee user profiles, ensuring smooth administration and facilitating responsive support when needed.

The screenshot shows the 'User Management' section of the platform. At the top, there's a navigation bar with Arabic text: 'من نحن' (About Us), 'المقالات' (Articles), 'الابطاع' (Actions), 'المنتجات' (Products), and ' Ahmed Maged'. On the right side, there's a search bar and a logo for 'مليون اخ' (One Million Brothers). Below the navigation, a message says 'لديك طلبات من 4 المستخدمين' (You have 4 user requests). A table lists four users:

الاسم:	الإيميل:
Mohamed Abdullah	mohamedmatter636@gmail.com
Jane Smith	janesmith@example.com
John Doe	johndoe@example.com
Ahmed Maged	abdo119@gmail.com

To the right of the table is a sidebar with links: 'ادارة المستخدمين' (Manage Users), 'الطلبات الجديدة' (New Requests), 'إنشاء حالة' (Create Status), 'ادارة الحالات' (Manage Statuses), 'اضف تصنيف' (Add Classification), 'ملف الشخصي' (Personal File), and 'اضف ادمن' (Add Admin).

At the bottom of the page, there's a footer with social media icons (YouTube, Instagram, Twitter, Email, Facebook) and a QR code. It also includes links for payment methods ('طرق الدفع') like 'paymob.', a 'روابط الهامة' (Important Links) section with links to 'من نحن', 'الشروط والأحكام', 'الخصوصية', and 'المساعدة', and a WhatsApp icon.

The "User Details" page allows admins to select a specific user and access comprehensive information related to their profile. Once an admin selects a user, they can view and review the user's details, including their name, phone number, email address, as well as the status of their accepted donation requests and any requested actions. This page provides a consolidated view of the user's data, facilitating efficient administration and enabling admins to effectively respond to user inquiries, address concerns, and manage user-specific activities on the platform.

The screenshot shows the 'User Details' page for a user named Jane Smith. At the top, there is a navigation bar with links for 'المنتجات' (Products), 'المقالات' (Articles), 'الاطباء' (Doctors), 'من نحن' (About Us), and a search bar with the logo 'مليون أخ' (One Million Brother). Below the navigation, the user's profile information is displayed:

- الاسم:** Jane Smith
- رقم الهاتف:** لا يوجد
- الإيميل:** janesmith@example.com

On the right side, there is a sidebar with administrative links:

- ادارة المستخدمين
- الطلبات الجديدة
- إنشاء حالة
- ادارة الحالات
- اضف تعريف
- ملف الشخصي
- اضف ادمين

Below the profile information, there are three buttons: 'حالات المرض' (Disease Cases), 'الترعات' (Donations), and 'طلبات المستخدم' (User Requests). The 'طلبات المستخدم' button is highlighted in green. A message box indicates that there is 1 pending request from 'dfasdfasdfadf' with the subject 'العملية الجراحية' (Surgical Operation) and a tracking number 'طلب رقم # 1'. The message also states that the request has been approved ('تم الموافقة').

At the bottom of the page, there is a footer with the website's name 'ملايين أخ للنذر العائلي' (One Million Brother Platform For Donations), social media icons for YouTube, Instagram, Twitter, LinkedIn, and Facebook, payment method 'paymob', and a 'روابط الهامة' (Important Links) section with links to 'من نحن', 'الشروط والأحكام', 'الخصوصية', and 'المساعدة'.

The "News Requests Management" page serves as a centralized platform for admins to oversee all incoming news requests. Admins can access this page to review and manage the requests effectively. They have the ability to accept or reject news requests based on their relevance and suitability. Additionally, admins can delve into the details of each request, including the news content, source, and any supporting documents. This page empowers admins to make informed decisions regarding news requests, ensuring the integrity and quality of the content published on the platform. It offers a streamlined process for admins to efficiently handle news requests and maintain the desired standards for news publication.

The screenshot shows a web application interface for managing news requests. At the top, there is a header with a user profile (Ahmed Maged), navigation links (المنتجات, المقالات, الدطبات, من نحن), and a search bar. On the right side, there is a sidebar with various administrative links: إدارة المستخدمين, الطلبات الجديدة, إنشاء حالة, إداره الدالات, اضافه تخصيف, الملف الشخصي, and اضافه ادمنين.

The main content area displays a news request with the following details:

- طلب رقم # 3 في انتظار الموافقة**
- اسم المريض :** zxdfz sdf
- الوصف :** asdfasfasdf
- Handwritten Note:**

٦٣٦ م ٩٧٦٢٨  
٥٠٤٥١ ١٠٠٠٠٣٩  
٣٠٤٥١ ٠٠٠٠٠٠٥  
 $P(Z \leq Z_{0.05}) = 1 - 0.05$   
 $P(Z \geq Z_{0.05}) = 0.05$   
 $Z_{0.05} = 1.64$   
٥٠٤٥١ ٠٠٠٠٠٣٩  
 $Z = \frac{X - \mu}{\sigma}$   
 $Z = \frac{636 - 504}{51} = 1.64$   
 $636 - 504 = 1.64 \times 51 + 51$   
 $636 - 504 = 82.44 + 51$   
 $636 = 555.44$

Below the main content, there are three circular icons with symbols: an eye, a checkmark, and a cross.

At the bottom, there is a footer with the platform's name (One Million Brother Platform For Donations), social media links, payment methods (paymob), and a section for important links ( الروابط الهامة) which includes links to terms and conditions, privacy policy, and help center.

The "Request Acceptance" page provides admins with a dedicated space to review and accept specific requests. Admins can access this page to carefully examine the details and specifics of each request before making a decision. The page offers a comprehensive overview of the request, including relevant information such as the request type, description, supporting documents, and any additional context. Admins can analyze the request thoroughly and assess its alignment with the platform's guidelines and objectives. By utilizing this page, admins can efficiently process and accept requests, ensuring a streamlined workflow and maintaining the integrity of the platform's content.

The "New Case Creation" page empowers admins to create and add new cases to the platform. Admins can access this page to enter all the necessary details and information related to the new case. They can provide a comprehensive case description, including its name, category, objectives, and any relevant images or supporting documents. This page offers a user-friendly interface for admins to input all the required data accurately and efficiently. By utilizing this page, admins can contribute to expanding the range of available cases on the platform, enabling users to discover and support new causes.

Ahmed Maged

من نحن
الاطباء
المقالات
المنتجات

إنشاء طلب جديد

صورة لحالة

اسم الحالة

وصف الحالة

التصنيف الحالة

العنوان (مطلوب) \* داخل مصر

اختر المدينة

اختر المحافظة

تاريخ الانتهاء :

المدة المطلوبة أيام

\* الحاله مستعجله

المنبع المطلوب

حفظ الحالة

ادارة المستخدمين

الطلبات الجديدة

انشاء حالة

ادارة الحالات

اضف تصنيف

ملف الشخصي

اضف ادمين

منصة **مليون اخ** للزراعات  
 One Million Brother Platform For Donations

**طرق الدفع**

**paymob.**

**الروابط الهامة**

- < [من نحن](#)
- < [الشروط والأحكام](#)
- < [الخصوصية](#)
- < [المساعدة](#)

The "Case Management" page provides admins with comprehensive control over all the cases on the platform. Admins can access this page to efficiently manage cases by performing various actions such as deleting or updating them. With a user-friendly interface, admins can easily navigate through the list of cases, review their details, and make necessary modifications. This page empowers admins to ensure the accuracy and relevance of the cases available to users. By utilizing the case management functionality, admins can maintain an up-to-date and curated selection of cases, enhancing the user experience and facilitating effective case management on the platform.

مليون أخ

Ahmed Maged

من نحن المنتجات المقالات الاطباء غير المكتملة المكتملة

**العمليات الجراحية**  
التهاب الحفن (التهاب الحفن الحاد)  
عصايم  
الهرم

**العمليات الجراحية**  
التهنم الغداني  
أطفال  
سيدي جابر

**مشروع غسيل الكلبي**  
lknkdjk  
سرطان الرئة  
الجيزة

**العمليات الجراحية**  
التهاب العين الأمامي (التهاب الأمامية)  
أمراض العيون  
الدقى

**زكاتك**  
زن تؤدية وحدة تشفيفه  
التهاب الحبوب الأنفية  
أطفال  
طنطا

**زكاتك**  
زن تؤدية وحدة تشفيفه  
التهاب الجلد التحسسي  
أطفال  
قайд

ادارة المستخدمين  
الطلبات الجديدة  
إنشاء حالة  
ادارة الحالات  
اضف تصنيف  
الملف الشخصي  
اضف ادمين

السابق 1 2 ... 5 6 التالي

طريق الدفع paymob

الروابط الهامة

من نحن  
الشروط والأحكام  
الخصوصية  
المساعدة

مصحة مليون أخ للرعاية  
One Million Brother Platform For Donations

Facebook Twitter Instagram LinkedIn YouTube

The "Category Management" page offers admins the ability to manage categories on the platform. Admins can access this page to generate new categories, delete existing categories, or update the details of existing categories. Through a user-friendly interface, admins can easily navigate through the list of categories and perform the desired actions. This page empowers admins to organize and refine the categories available to users, ensuring a well-structured and intuitive browsing experience. By utilizing the category management functionality, admins can adapt to evolving needs, introduce new categories, remove obsolete ones, and maintain a relevant and dynamic category system on the platform.

المستخدمون

الطلبات الجديدة

إنشاء حالة

ادارة المدحالت

اضف تعييف

الملف الشخصي

اضف ادمين

اضافة تصنيف جديد

صورة التصنيف

اسم التصنيف

حفظ التعديلات

مجموع التصنيفات

أطفال

عظام

سرطان الرئة

أمراض العيون

Delete Edit

Delete Edit

Delete Edit

Delete Edit

طرق الدفع

paymob

الروابط الهامة

من نحن

الشروط والأحكام

الخصوصية

المساعدة

مليون إخ

Ahmed Maged

المنتجات

المقالات

الاطباء

من نحن

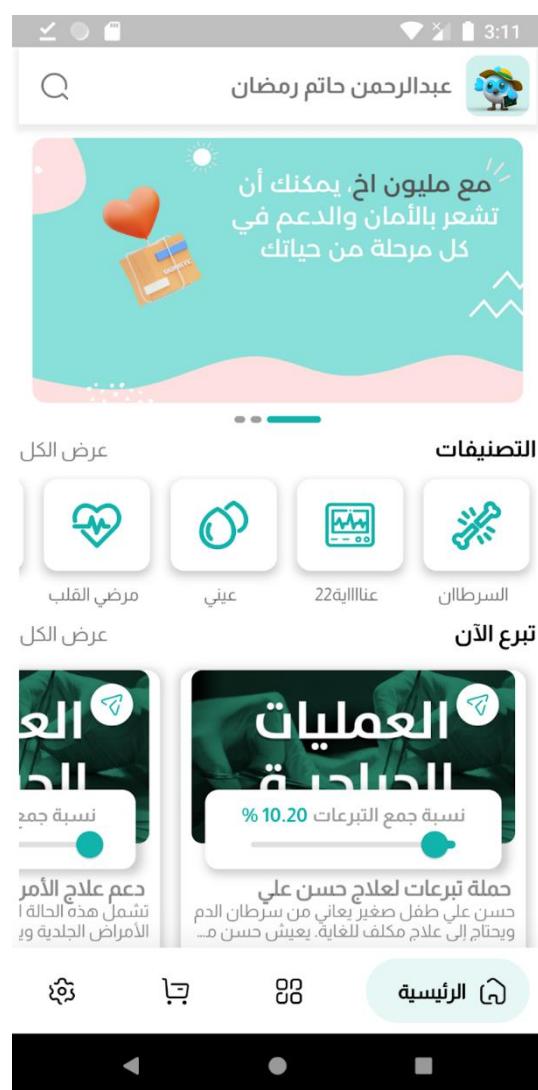
The "User Role Assignment" page provides admins with the capability to assign the "ROLE ADMIN" to specific users. Admins can access this page to manage user roles and permissions effectively. By selecting a user, admins can assign them the "ROLE ADMIN" designation, granting them administrative privileges and access to advanced features and functionalities. This page empowers admins to customize user roles, ensuring that trusted individuals have the necessary permissions to manage and maintain the platform. With the user role assignment functionality, admins can streamline user management and delegate administrative responsibilities efficiently.

The screenshot shows the 'Million Brothers' website interface. At the top, there's a navigation bar with links for products, articles, donations, and about us. A search bar is also present. On the left, there's a user profile section showing 'Ahmed Maged'. The main content area is titled 'اضافة ادمين جديد' (Add New Admin) and contains fields for 'اسم الادمن' (Admin Name) and 'اخذ الدور' (Take the Role). A 'حفظ التعديلات' (Save Changes) button is at the bottom. To the right, a sidebar lists administrative functions: 'ادارة المستخدمين' (Manage Users), 'الطلبات الجديدة' (New Requests), 'إنشاء حالة' (Create Status), 'ادارة الحالات' (Manage Cases), 'اضف تصنيف' (Add Category), 'الملف الشخصي' (Personal File), and 'اضف ادمين' (Add Admin). At the bottom, there's a footer with links for payment methods (Paymob), social media (YouTube, Instagram, Twitter, LinkedIn, Facebook), and useful links like terms and conditions, privacy policy, and help center.

- **Screens Of the Application :**

1. **Home Screen :**

The main screen showcases all registered donation cases, displaying ongoing and completed opportunities. Users can browse, select, and contribute to causes that inspire them, fostering collective social impact. It's a user-friendly hub connecting donors with meaningful initiatives.



## 2. Case Details :

Upon selecting a case, a dedicated page opens, showcasing comprehensive details about the chosen cause. This page offers a deep dive into the case, empowering users with knowledge to contribute meaningfully.



### 3. Categories screen :

The categories page offers an overview of all application categories, simplifying navigation and exploration. Users can easily access any category of interest to explore related causes and initiatives, streamlining the search for meaningful opportunities. It's a centralized hub for effortless browsing and discovery.



#### 4. Categories Details :

Within the category-specific page, users can explore all cases belonging to that category, regardless of their completion status. This comprehensive display showcases both completed and ongoing initiatives, providing a holistic view of the impact made within the selected category.



## 5. Cart Screen :

The cart page acts as a hub for the user's selected cases, allowing for easy management and customization of their donations. Users can review all chosen cases and the corresponding donation amounts, giving them control over their contributions. Additionally, the page enables users to modify the donation amount or remove a case from the cart, providing flexibility and ensuring a personalized donation experience.



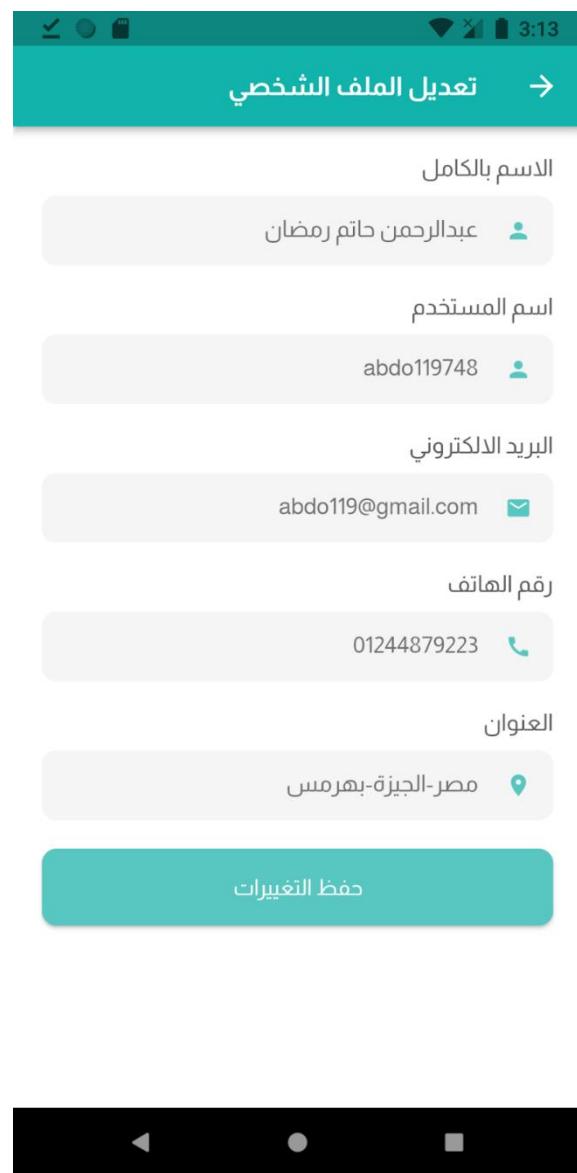
## 6. profile screen :

The profile page allows users to manage tasks and customize data. It offers a seamless experience for updating personal information, reviewing donation history, and modifying account settings



## 7. Edit Profile Screen :

The profile page provides users with the ability to modify their data, including name, email, password, and other settings. It offers a convenient and secure platform to update and customize personal information, ensuring data accuracy and privacy.



## 8. Request submission page:

The page allows users to send requests to officials within the application, suggesting their own cases for donation. This feature enables users to actively participate and propose causes close to their hearts, fostering community engagement.



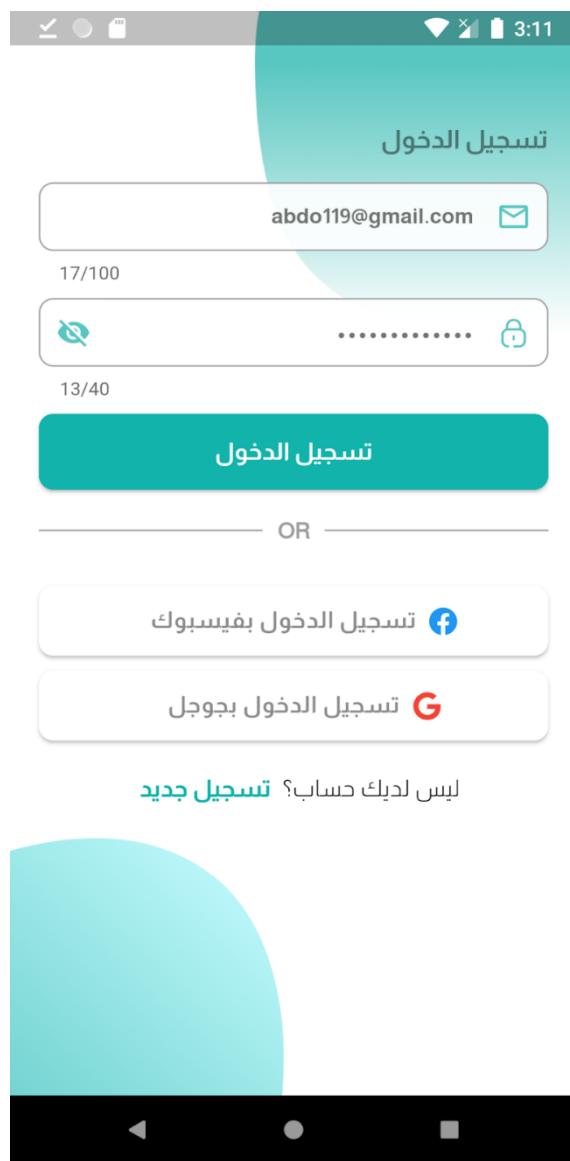
## 9. Setting page :

The settings change page offers users the option to customize the application's theme and language settings. This feature allows for a personalized experience, where users can select their preferred theme and language to suit their preferences and visual preferences



## 10. Login Screen:

The login page serves as the entry point for users who have an existing account on the application. Users can securely access their account by providing their login credentials through this page



## 11. Register page :

The account creation page enables users to easily create their own account on the application. By filling out the required form with their data, users can register and create a personalized account. Once the account is successfully created, users can then log in to the application using their newly generated credentials.



# **Chapter 7**

## **Future Work**

## **Future Work**

In the future, we intend to extend our proposed donation application so that users can donate to charities easily and causes effortlessly. We plan to include a user account system where donors can keep track of their donations and view progress reports from the charities they support. Additionally, we want to connect the app with the phone contacts so that users can easily share the app with their friends and family and encourage them to donate as well. The application will also be available for emergency occasions like disaster relief and hospitals emergencies to report immediately about the urgent cases, so that donors can quickly make donations during critical situations. To improve accuracy, we will increase the amount of data in our dataset, thereby enabling the app to support multiple languages accurately, including English and Arabic.

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- المنصة الوطنية للتبرعات | تبرع ([donations.sa](http://donations.sa))
- تبرع لمرضى السرطان | مؤسسة ومركز الحسين للسرطان ([khcc.jo](http://khcc.jo))
- سهم طالب العلم » منصة المدرسة ([almdrasa.com](http://almdrasa.com))
- !YallaGive | Give with a smile
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- جميع الفرص - منصة إحسان ([ehsan.sa](http://ehsan.sa))
- أهم المعلومات عن مؤسسة مجدى يعقوب لأمراض القلب | مؤسسة مجدى يعقوب للقلب ([myf-egypt.org](http://myf-egypt.org))
- منصة المرضى - جمعية شفاء ([sheffaa.org.sa](http://sheffaa.org.sa))
- Rahma World Wide ([rahmaww.org](http://rahmaww.org))