



# CAPSTONE PROJECT REPORT

## Report 3 – Software Requirement Specification

– Hanoi, September 2024 –

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## I. Record of Changes

\*A - Added M - Modified D - Deleted

## II. Software Requirement Specification

### 1. Overall Requirements

#### 1.1 Context Diagram

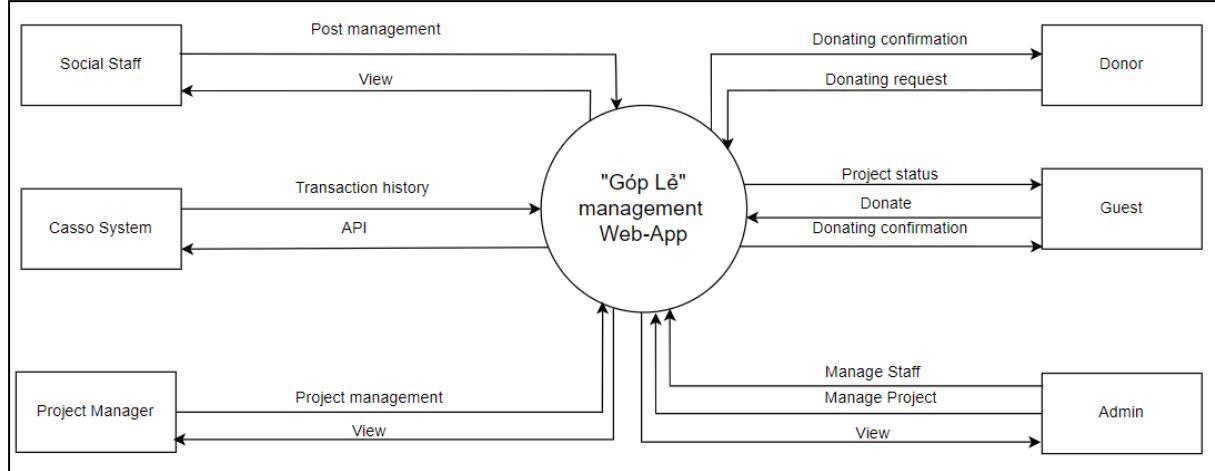


Figure 3.1 Context Diagram

#### 1.2 Main Workflows

##### 1.2.1 Auto Update Donation Processing

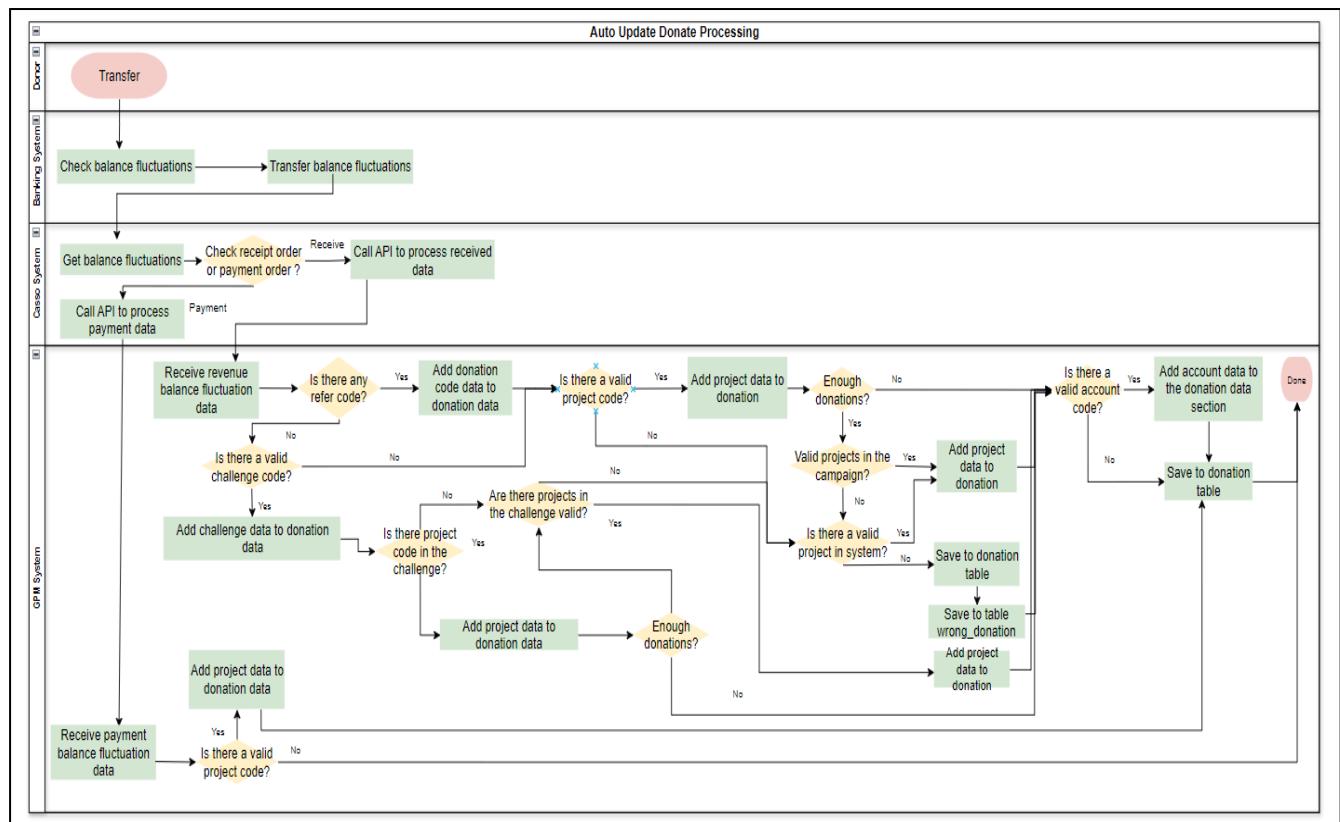


Figure 3.2 Main Workflows

## 1.3 User Requirements

### 1.3.1 Actors

#	Actor	Description
1	Guest	Guests only access the system to view information about the programs and projects that the organisation is implementing, view news related to the organisation's activities, and donate to the projects they like.
2	System Member	System member là actor thể hiện người người có account người dùng và thực hiện được các chức năng liên quan đến authentication, quản lý thông tin của account đó.
3	Donor	Donors là những người dùng hệ thống, với vai trò sử dụng trang web và không có vai trò quản lý hệ thống. Người dùng này khi sử dụng hệ thống có thể ghi nhận lại dữ liệu quyên góp của bản thân và song song đó cũng chính là một đại sứ của "Sức mạnh 2000" khi có thể sử dụng trang cá nhân của mình trên hệ thống để có thể kêu gọi mọi người biết đến dự án nhiều hơn thông qua các thử thách mà người dùng này tạo ra rồi chia sẻ rộng rãi nó trên các nền tảng mạng xã hội khác.
4	Staff	Staff are people participating in the system with staff accounts issued and confirmed by the "Nuoi Em" organisation.
5	Social Staff	Social staff are system management members, they are granted rights to manage news on the system. These news will be displayed on the system so users can access and view a lot of information
6	Project Manager	Project Manager is responsible for managing projects in areas such as managing project information, updating project progress, managing project revenue, handling project expenditure requests, and managing project budgets.
7	Admin	Administrators are responsible for overseeing and managing the entire platform. They have privileged access to administrative features, allowing them to handle user-related tasks, manage project work, and monitor the activities of project staff and news management staff.

Table 3.1 Actors Description

### 1.3.2 Use Cases

#### 1.3.2.1 UCs for Guest

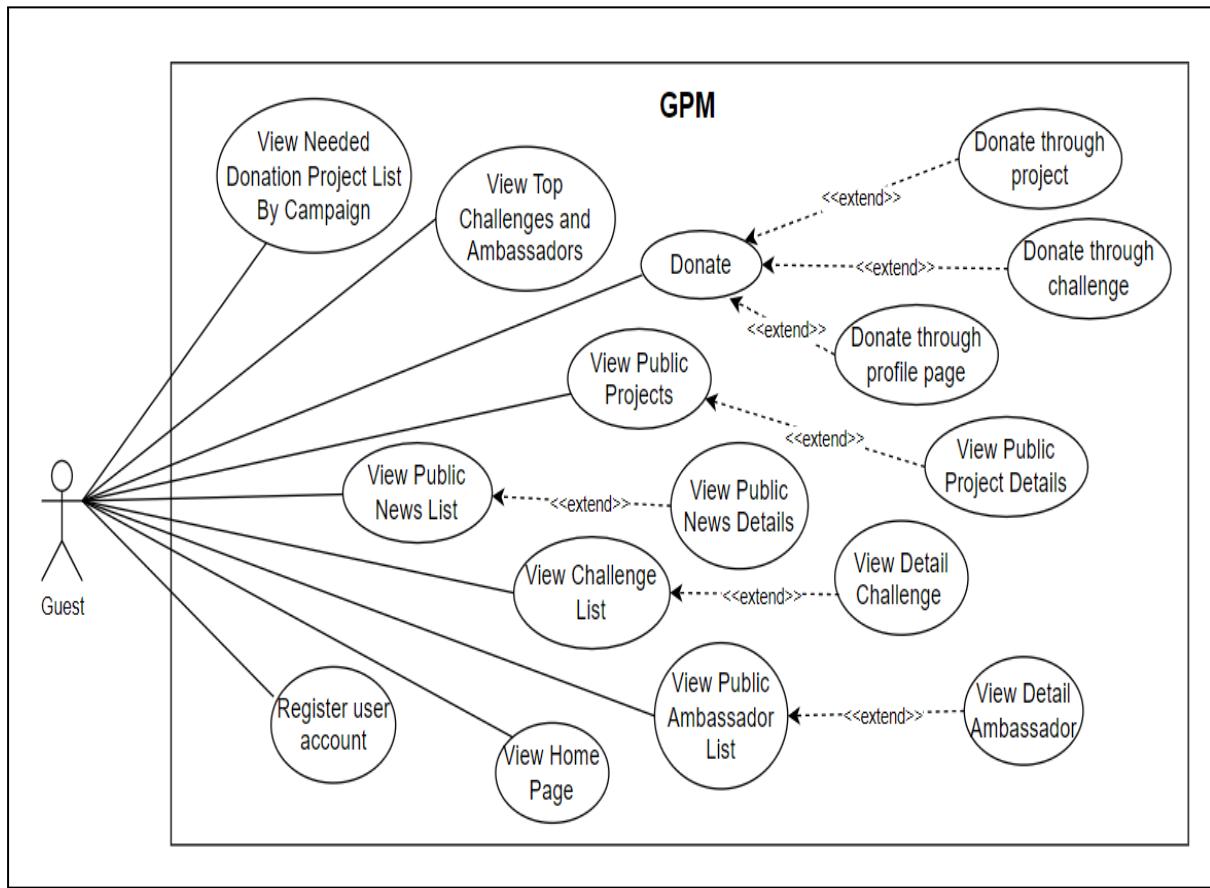


Figure 3.3 Use case diagram for Guest

### 1.3.2.2 UCs for System Member

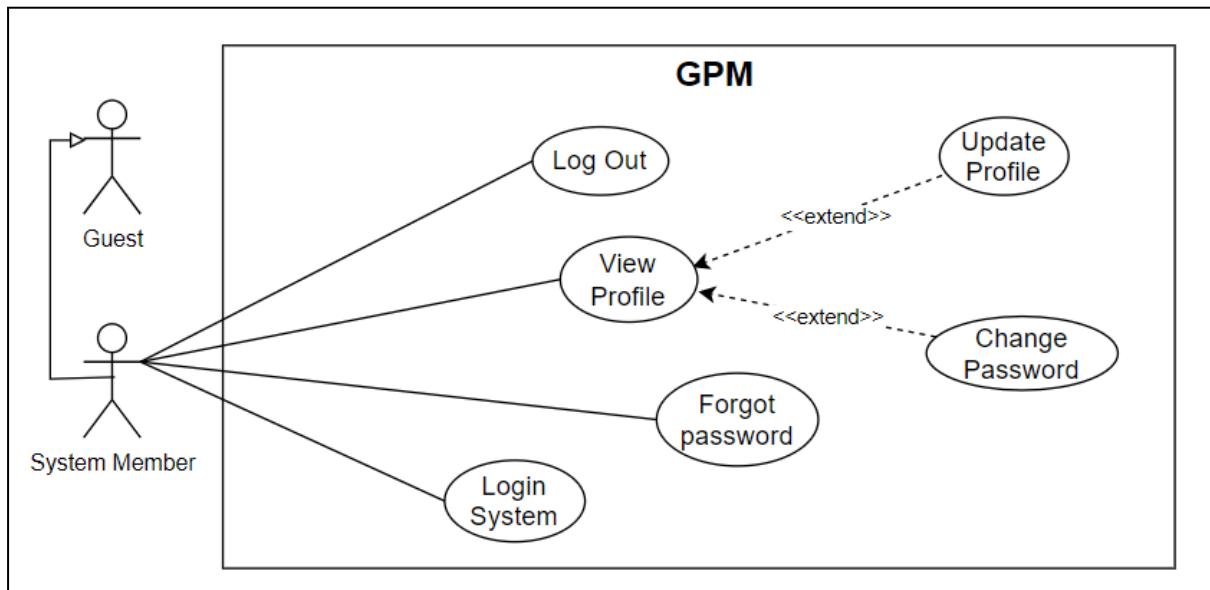


Figure 3.4 Use case diagram for System Member

### 1.3.2.3 UCs for Donor

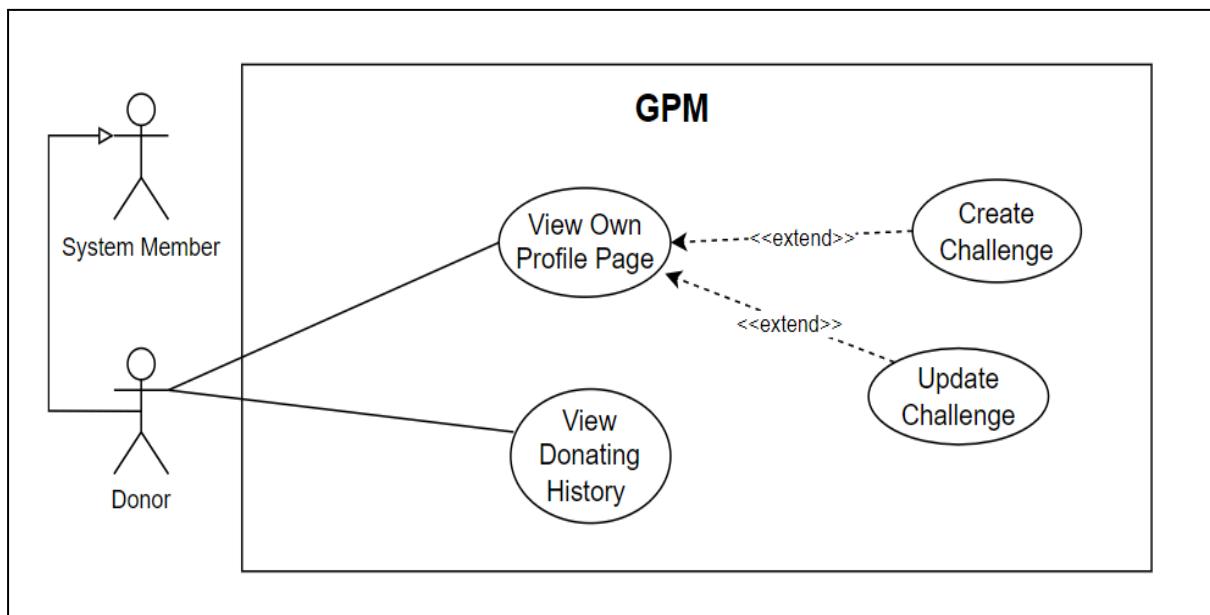


Figure 3.5 Use case diagram for Donor

#### 1.3.2.4 UCs for Staff

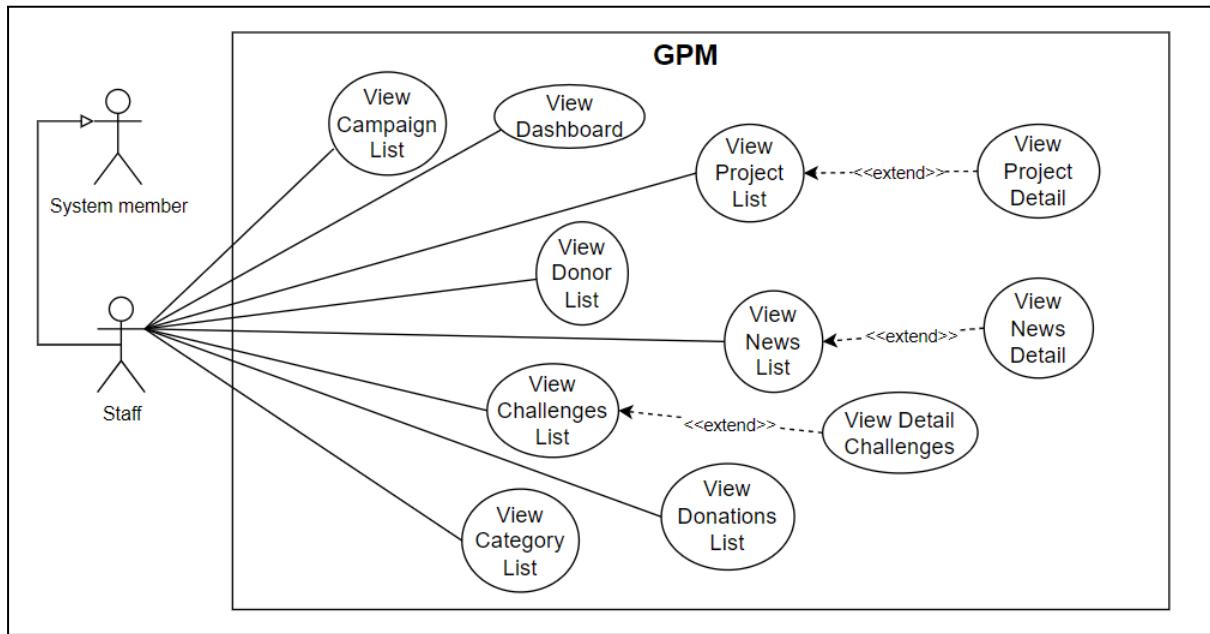


Figure 3.6 Use case diagram for Staff

#### 1.3.2.5 UCs for Project Manager

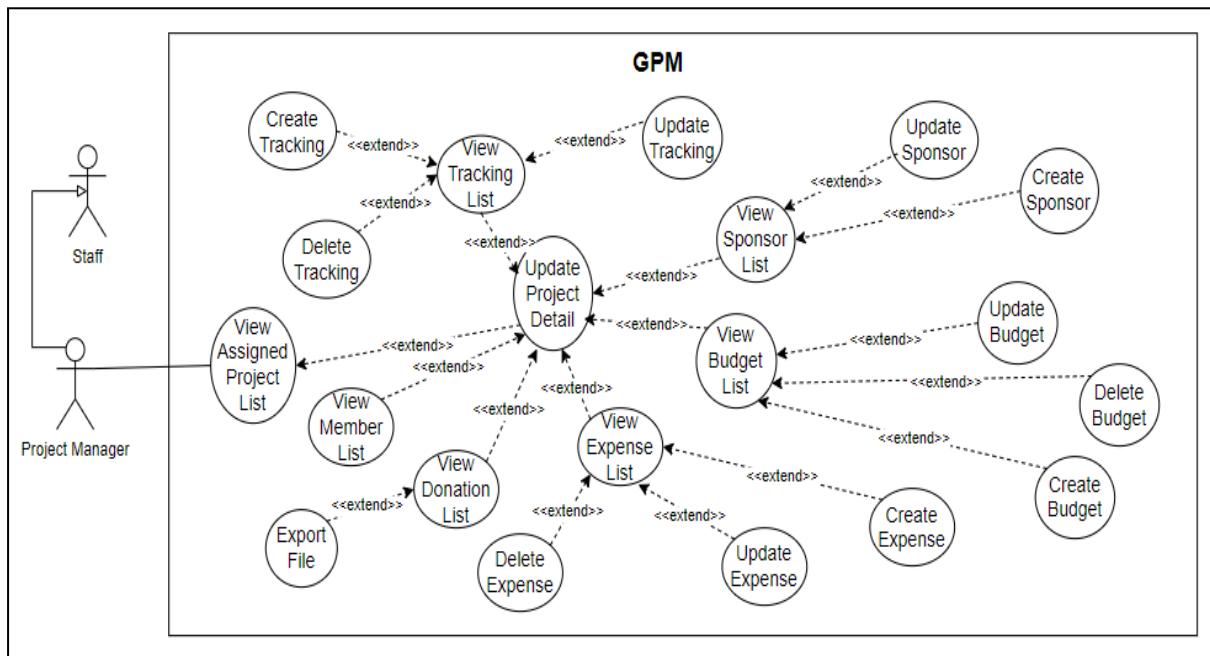


Figure 3.7 Use case diagram for Project Manager

### 1.3.2.6 UCs for Social Staff

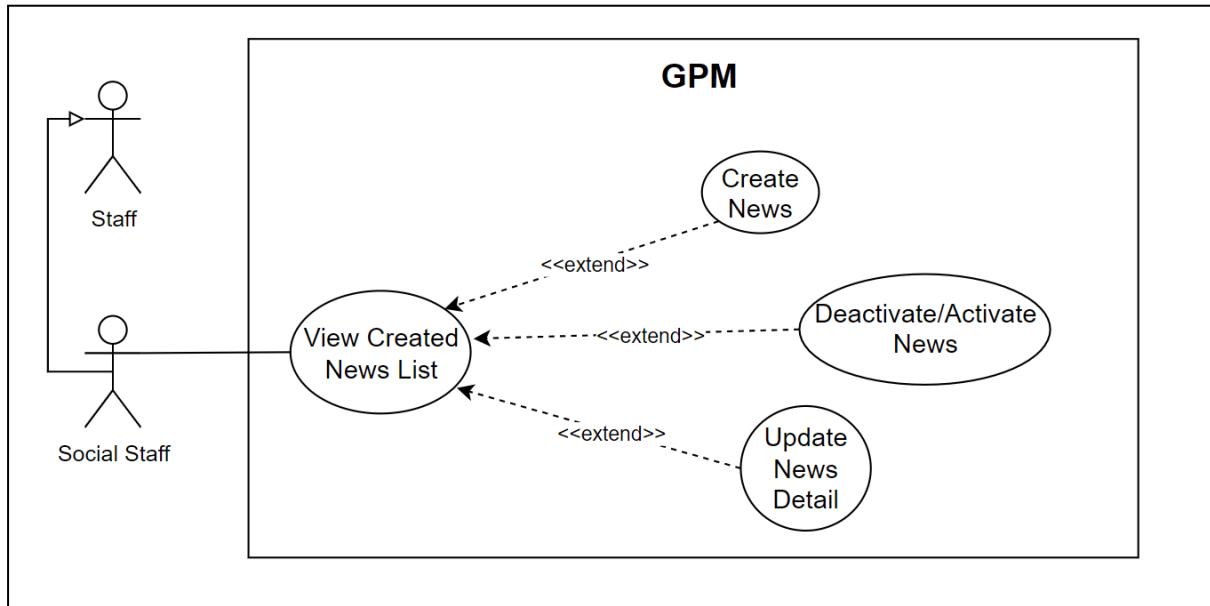


Figure 3.8 Use case diagram for Social Staff

### 1.3.2.7 UCs for Admin

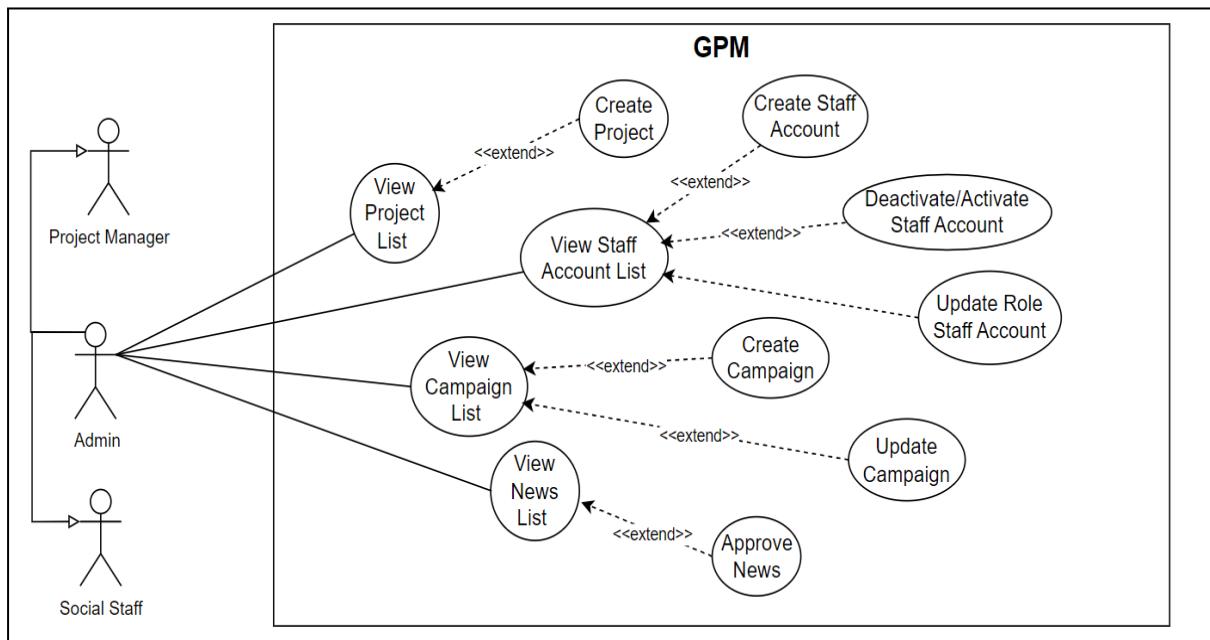


Figure 3.9 Use case diagram for Admin

## 1.4 System Functionalities

### 1.4.1 Screens Flow

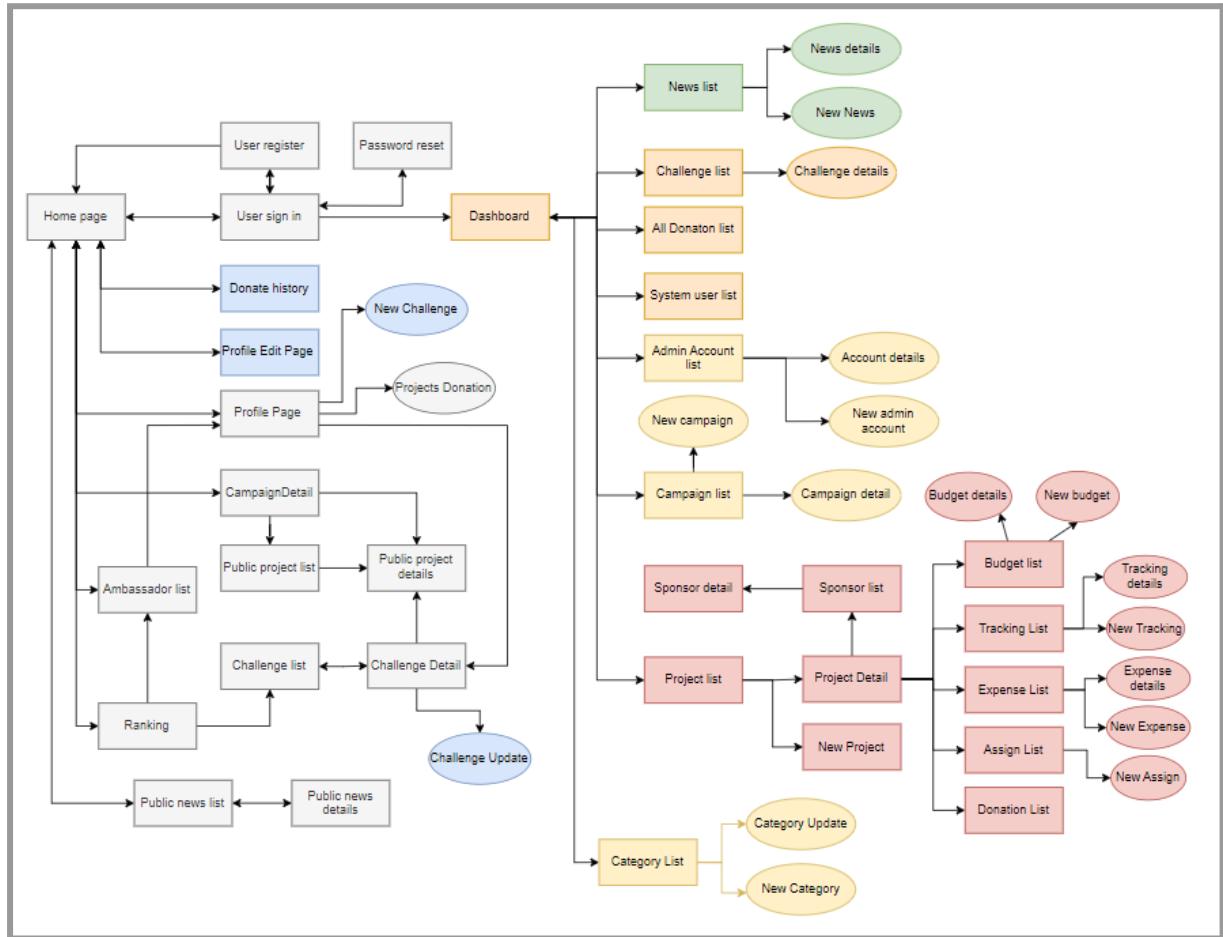


Figure 3.10 Screens Flow

### 1.4.2 Screen Authorization

	Screen	Guest	Donor	Social Staff	Project Manager	Admin
1	Sign In	X	X	X	X	X
2	Register	X	X	X	X	X
3	Password Reset	X	X	X		X
4	Home Page	X	X			
5	Public News List	X	X			

6	Public News Details	X	X			
7	Ranking	X	X			
8	Ambassador List	X	X			
9	Profile Page	X	X			
10	Projects Donation	X	X			
11	New Challenge		X			
12	Profile Edit Page		X	X	X	X
13	Donate History		X			
14	Campaign Detail	X	X			
15	Public Project List	X	X			
16	Public Project Detail	X	X			
17	Challenge List	X	X			
18	Challenge Detail	X	X			
19	Challenge Update		X			
20	Dashboard			X	X	X
21	Challenge List (Admin)			X	X	X
22	Challenge Details (Admin)			X	X	X
23	All Donation List			X	X	X
24	System User List			X	X	X
25	Admin Account List					X

26	Account Details					X
27	New Admin Account					X
28	Campaign List			X	X	X
29	New Campaign					X
30	Campaign Detail			X	X	X
31	New List			X	X	X
32	News Details			X	X	X
33	New News			X		X
34	Project List			X	X	X
35	New Project					X
36	Project Detail			X	X	X
37	Sponsor List				X	X
38	Sponsor Detail				X	X
39	Budget List			X	X	X
40	Budget Details			X	X	X
41	New Budget				X	X
42	Tracking List			X	X	X
43	Tracking Details			X	X	X
44	New Tracking				X	X
45	Expense List			X	X	X
46	Expense Details			X	X	X

47	New Expense				X	X
48	Assign List			X		X
49	New Assign					X
50	Donation List			X	X	X
51	Category List					X
52	New Category					X
53	Category Update					X

Table 3.2 Screen Authorization

#### 1.4.3 Non-UI Functions

#	Feature	System Function	Description
1	Authentication	User verification	Validates user credentials to ensure they are authorized to access the system.
2	Authorization	Permission checking	Checks if the authenticated user has the necessary permissions to perform certain actions or access specific resources.
3	Token Management	Generate and validate tokens	Creates and manages tokens (e.g., JWT) used for session management and secure access control.
4	Receive Information from Casso	Integrate with Casso API	Retrieves and processes transaction data and other relevant information from the Casso API for financial tracking and reporting.
5	Automatic bank statement updates using Casso's webhook system	Integrate with Casso System	When there is a balance change from the bank, Casso will call the transaction processing API on the system to update the statement accordingly.
6	Automatically update erroneous transfers on Monday	Cron Job	Every Sunday at 12:00 p.m., the system will update erroneous incoming transfers to projects that need donations (if any).

Table 3.3 Non-UI Functions

## 1.5 Entity Relationship Diagram

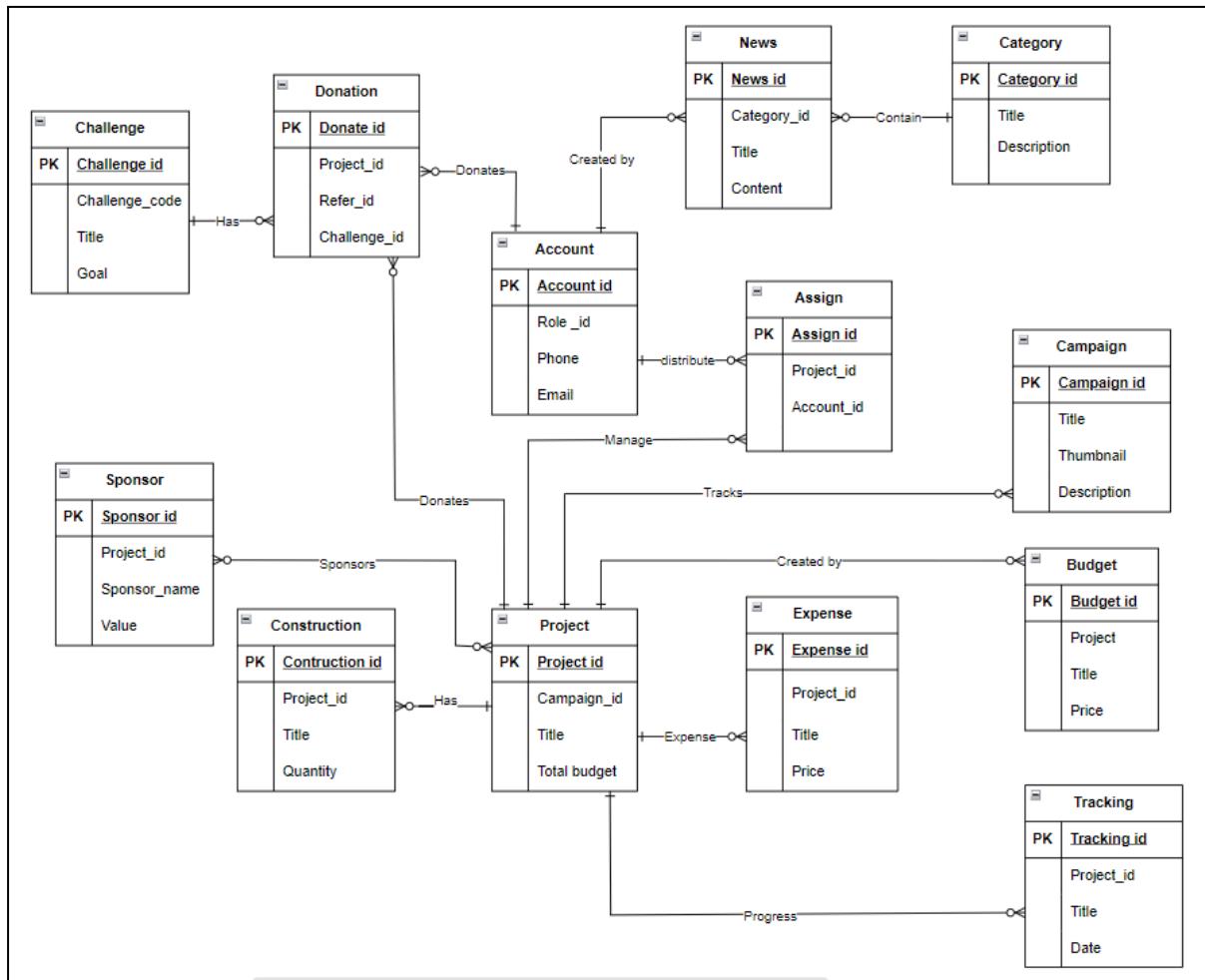


Figure 3.11 Entity Relationship Diagram

## 2. Functional Specification

### 2.1 Guest

#### 2.1.1 Home Page

##### a, Screen Description

- Navigation bar includes links to different sections of the website such as "Trang chủ," "Góp lẻ," "Dự án," "Thử thách và đại sức," and "Tin sức Mạnh 2000." There's also a "Đăng nhập" button for users to access their accounts.
- Display basic information about the system: ongoing projects, completed projects, founders and advisory board, contact address and phone number, Facebook homepage

## b, Screen Layout

The screenshot shows the homepage of the SUCMANH2000 website. At the top, there is a navigation bar with links: Trang chủ, Góp lè, Dự án, Thủ thách và đại sứ, Tin Sức mạnh 2000, and ĐĂNG NHẬP. A red banner at the top left displays the text "SUCMANH2000". Below the banner, there is a large headline in Vietnamese: "ĐỂ TRẺ EM VÙNG CAO ĐƯỢC TIẾP CẬN GIÁO DỤC TỐT HƠN VỚI HƠN 300 CÔNG TRÌNH ĐÃ XÂY DỰNG VÀ HƠN THẾ NỮA". To the right of the headline are three images: one showing children eating, another showing a close-up of a child's face, and a third showing a group of children. Below these images is a small red button labeled "TÌM HIỂU THÊM →". On the left side of the page, there is a large illustration of a school building with the text "56 TRƯỜNG Ở CÁC TỈNH THÀNH ĐÃ ĐƯỢC XÂY TỪ CÁC ĐỒNG ĐỘP KHIẾM TỐN NHƯNG PHI THƯỜNG". To the right of the illustration, there is a block of text in Vietnamese describing the project's impact and financial details.

Từ năm 2009 đến T6/2020, dự án Ánh Sáng Núi Rừng đã xây dựng được 29 điểm trường trên cả nước. Tiếp nối thành công của dự án và Hệ Sinh Thái Nuôi Em, từ tháng 2/2020, dự án SỨC MẠNH 2000 đã được khởi xướng. Theo đó, thêm 182 công trình Điểm Trường, Nhà Nội Trú, Nhà Hạnh Phúc đã được khởi công và đưa vào sử dụng hoàn thiện trong năm 2020-2021.

Dự án xuất phát từ suy nghĩ chỉ với 2.000 đồng mỗi ngày, tuy giá trị khiêm tốn nhưng nếu nhiều người cùng chung tay sẽ tạo nên sức mạnh phi thường.

Chúng ta thử làm một phép tính. Nếu mỗi người đóng góp 2000 đồng mỗi ngày, cứ 100.000 người tham gia thì mỗi ngày sẽ có 200 triệu đồng (gắn bằng 1 điểm trường) sau một năm sẽ có 73 tỷ đồng được quyên góp, số tiền này đủ để xây 292 điểm trường. Tương tự, nếu có 1.000.000 người tham gia thì số tiền quyên góp được sẽ lên đến hơn 500 tỷ. Toàn bộ số tiền được dùng xây trường, xây cầu, xây nhà hạnh phúc và các hoạt động thiện nguyện khác sẽ giúp đỡ được đến 20.000 trẻ em vùng cao trên cả nước.

Dự án Nuôi Em cũng do Hoàng Hoa Trung sáng lập, điều hành đã lập kỷ tích với việc vận động gần 20.000 người tham gia nuôi cорм 20.000 bé.

Image 3.1 Home Page

continue...

## ĐỒNG HÀNH CÙNG VỚI GÓP LẺ



**Góp lẻ**

Góp lẻ, chỉ với từ 2000 đồng cho những dự án chúng tôi đang thực hiện.



**Lập tài khoản**

Lập tài khoản và trở thành 1 đại sứ và đồng hành cùng Sức Mạnh 2000



**Tạo thử thách**

Tạo một thử thách đồng hành cùng với bất kỳ dự án nào chúng tôi đang thực hiện.



**Chia sẻ thử thách**

Chia sẻ thử thách của bạn tới bạn bè, người thân và cộng đồng thông qua mạng xã hội. Đồng thời kêu gọi sự đồng hành lan tỏa.

**Mỗi người 2.000 đồng/ngày**

**Chúng tôi đã xây dựng trong 10 năm qua**

<b>311</b>	<b>222</b>	<b>60,000</b>
Trường học, khu nội trú, nhà hạnh phúc, cầu hạnh phúc được xây nên tính tới 6/2022	Tổng công trình dự kiến trong năm 2022 sẽ được kêu gọi, xây dựng và đưa vào sử dụng	Học sinh có điều kiện học tập tốt hơn trong 2022 (liên kết với dự án Nuôi Em cùng nhà sáng lập) năm 2022

*Image 3.2 Home Page*

continue...

## CÁC HẠNG MỤC CÔNG TRÌNH CHÍNH SỨC MẠNH 2000 SẼ THỰC HIỆN

DỰ ÁN ĐANG THỰC HIỆN

**Góp lè xây cầu**

Tiền lè của bạn có thể góp sức xây hàng trăm nghìn cây cầu, hiện thực hóa nhu cầu vô cùng cấp thiết tại các bản làng vùng sâu xa.

XEM THÊM →

No image

Các dự án đang góp lè

TỪ 1000Đ TRIỆU NGƯỜI CHUNG TAY NGHÌN TRƯỜNG CÓ NGAY

Xem ngay →

Vàng Thị Hương - Xóm Nà Tốm, Xã Vĩnh Qu...

Sùng Thị Kìa - Xóm Phia Cò, Xã Nam Cao, Hu...

Nhà Hạnh Phúc 130 - Lò Thị Chem - Bản Nä...

*Image 3.3 Home Page*

continue...



**Vàng Thị Hương - Xóm Nà Tóm, Xã Vĩnh Qu...**  
Xã Vĩnh Quang-Huyện Bảo Lâm-Tỉnh Cao Bằng  
**Chi phí:** 80.000.000 VND  
**Cần góp lè:** 80.000.000 VND  
**Hiện tại:** 1.235.000 VND

[CHIA SẺ](#) [CẦN GÓP LÈ](#)



**Sùng Thị Kìa - Xóm Phia Cò, Xã Nam Cao, Hu...**  
Xã Nam Cao-Huyện Bảo Lâm-Tỉnh Cao Bằng  
**Chi phí:** 80.000.000 VND  
**Cần góp lè:** 80.000.000 VND  
**Hiện tại:** 8.457.000 VND

[CHIA SẺ](#) [CẦN GÓP LÈ](#)



**Nhà Hạnh Phúc 130 - Lò Thị Chem - Bản Nặ...**  
Xã Nậm Pi-Huyện Nậm Nhùn-Tỉnh Lai Châu  
**Chi phí:** 80.000.000 VND  
**Cần góp lè:** 80.000.000 VND  
**Hiện tại:** 5.784.000 VND

[CHIA SẺ](#) [CẦN GÓP LÈ](#)



**Sùng A Hải - Xóm Én Cổ, Xã Vĩnh Phong, Hu...**  
Xã Vĩnh Phong-Huyện Bảo Lâm-Tỉnh Cao Bằng  
**Chi phí:** 80.000.000 VND  
**Cần góp lè:** 80.000.000 VND  
**Hiện tại:** 3.275.000 VND

[CHIA SẺ](#) [CẦN GÓP LÈ](#)



**Nhà Hạnh Phúc 168 - Y Bích - Thôn Kon Pao ...**  
Xã Đăk PXi-Huyện Đăk Hà-Tỉnh Kon Tum  
**Chi phí:** 80.000.000 VND  
**Cần góp lè:** 80.000.000 VND  
**Hiện tại:** 5.420.000 VND

[CHIA SẺ](#) [CẦN GÓP LÈ](#)



**Câu Dân Sinh Nà Làng - Xã Mông n - Huyện ...**  
Xã Mông n-Huyện Bảo Lâm-Tỉnh Cao Bằng  
**Chi phí:** 230.000.000 VND  
**Cần góp lè:** 230.000.000 VND  
**Hiện tại:** 7.510.000 VND

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*Image 3.4 Home Page*

continue...

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Report 3 (SRS Document)

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## MEET OUR TEAM

### NHÀ SÁNG LẬP & HỘI ĐỒNG CỐ VẤN



**Hoàng Hoa Trung**

Người thành lập Sức mạnh 2000 và  
Hệ sinh thái Nuôi em



**Nguyễn Thị Hiền**

Phó Chủ Nhiệm Dự Án Sức mạnh  
2000



**Đỗ Thị Kim Hoa**

Giám đốc trung tâm tình nguyện quốc  
gia

## CÁC DỰ ÁN ĐÃ HOÀN THÀNH

Dự án 2024
Dự án 2023
Dự án 2022
Dự án 2021
Khám phá ngay

---



Nhp155 - Đinh Thị Nga - Làng Lợt, Xã Kông ...  
Xã Kông Pla-Huyện K'Bang-Tỉnh Gia Lai  
Chi phí: 80.000.000 VND  
Cần góp lẻ: 0 VND  
Hiện tại: 0 VND

[CHIA SẺ](#)
[HOÀN THÀNH](#)



Nhp134 - Rơ Châm Mức- Làng Bloi - Tt la Ly ...  
Thị trấn la Ly-Huyện Chư Păh-Tỉnh Gia Lai  
Chi phí: 80.000.000 VND  
Cần góp lẻ: 0 VND  
Hiện tại: 0 VND

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[HOÀN THÀNH](#)



Nhp162 - Sùng Thị Phương- Xa Nậm Păm - ...  
Xã Nậm Păm-Huyện Mường La-Tỉnh Sơn La  
Chi phí: 80.000.000 VND  
Cần góp lẻ: 0 VND  
Hiện tại: 0 VND

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[HOÀN THÀNH](#)

Image 3.5 Home Page

c, Screen specification

Field Name	Field Type	Description
Homepage	Button	Redirect to homepage of website
“Góp lẻ”	Droplist	View campaign list to see project
Project	Button	View project list
Challenges and Ambassadors	Droplist	View challenge , ranking , ambassador list
Avatar	Button	Display functions related to donor's personal account
Project cards with status “cần góp lẻ”	List	Display basic project information with Facebook share button

Typical challenges	List	View typical challenges and remaining time, amount raised
Completed project	List	View completed project

*Table 3.4 Home Page*

**d, UC Specifications**

Related Use Case:

- [UC-14 Login.](#)
- [UC-15 Register](#)

**2.1.2 Campaign Details**

**a, Screen Description**

- Displays projects that need donations in the campaign, and displays basic information of the project and account information so that people can donate
- Donor enters information including phone number, full name, donation amount, then scans the QR code with the banking app. **The statement information will be updated and displayed after 30s (BR-1)**
- **Campaign will show only need donate project (BR-2)**
- **Donate will follow rule of (BR-18)**

b, Screen layout

The screenshot shows a charity campaign page. At the top, there's a logo for 'Số Mạnh 2000' (Số Mạnh 2000) and a navigation bar with links to 'Trang chủ', 'Góp lè', 'Dự án', 'Thử thách và đại sứ', 'Tin Sức mạnh 2000', and a user profile icon.

In the main content area, there's a banner with the text 'SUCMANH2000' and a red button labeled 'Góp lè xây nhà'. Below this, a message encourages users to contribute to build more houses for disadvantaged children. A 'KHÁM PHÁ THÊM HỆ SINH THÁI →' button is also present.

A placeholder image box displays the text 'No image' with a small icon of a house and a person.

The central part of the page features a large orange banner with the text 'Mỗi người 2.000 đồng/ngày' and 'Chúng tôi đã xây dựng trong 10 năm qua'. Below this, three statistics are listed: '311' (with a note about schools and dormitories), '222' (with a note about planned projects), and '60,000' (with a note about students). A pink progress bar is shown below these statistics.

At the bottom, a red banner lists 'Các công trình đang nhận quyên góp' (Construction projects currently accepting donations).

Image 3.6 Campaign Details

**DA032 - Nhà Hạnh Phúc 130 - Lò Thị Chem - Bản Nậm Sập - Xã Nậm Pi - Huyện Nậm Nhùn - Tỉnh Lai Châu**

\* Vui lòng chuyển khoản đúng nội dung để chúng tôi có thể sao kê một cách chính xác

Nội dung chuyển khoản

DA032 - SĐT - Tên bạn
MB Bank: 0348737721

Hoặc hãy nhập thông tin và quét mã QR

SĐT - Tên
Số tiền quyên góp (VND)

napas 247
VIETQR

Góp lái được:
5.784.000
Mục tiêu:
80.000.000

**THÔNG TIN**

**HỌC SINH**

1. Họ và tên học sinh	Lò Thị Chem
2. Ngày sinh	19/12/2010
3. Dân tộc	Mảng
4. Địa chỉ lưu trú hiện nay	Bản Nậm Sập, xã Nậm Pi, huyện Nậm Nhùn, tỉnh Lai Châu.
5. Học sinh	Lớp 8, trường PTDTBT THCS Nậm Pi, là học sinh có ý thức tu dưỡng đạo đức tốt, em rất cố gắng vươn lên trong học tập, tích cực trong mọi hoạt động.
6. Ước mơ của em bé:	Em muốn trở thành giáo viên để có thể dạy cho bà con ở quê hương và xây dựng bản làng của mình.
	- Đại diện gia đình học sinh: Lò Thị Lương ( bà nội của

[Xem thêm](#)

**ĐỀ XUẤT XÂY DỰNG**

Nhà Hạnh Phúc 129 - Tào A Tường - Bản Nậm Ná 1 - Xã Trung Chài - Huyện Nậm Nhùn - Tỉnh Lai Châu: 1 nhà ()

**MỘT SỐ LƯU Ý**

- + Không thu bất kì chi phí quản lý nào, 100% số tiền tới tay đối tượng và dùng mục đích.
- + Sao kê được cập nhật sau mỗi 30s.
- + Trong trường hợp số tiền xây dựng đã đủ mà vẫn có người đóng góp, số tiền đó sẽ được chuyển sang dự án khác. Bạn có thể thấy dự án đó ở phần Được chuyển tới. Thông tin chuyển khoản của bạn cũng sẽ được hiển thị ở sao kê của dự án đó.

**CẬP NHẬT SAO KÊ**

Nội dung chuyển khoản...  Q

Tài khoản...	Ngày	Số tiền	Nội dung CK	Tiền dư được chuyển tới	Ghi chú
0348737721	07/08/2024 20:32:00	440.000	TT027 - DA032		
0348737721	07/08/2024 19:45:00	510.000	TT039 - DA032		
0348737721	07/08/2024 18:42:00	290.000	TT017 - DA032		
0348737721	07/08/2024 18:11:00	600.000	TT005 - DA032		
0348737721	07/08/2024 15:31:00	130.000	TT005 - DA032		

◀
...
▶

Rows per page: 5 ▾ 1-5 of 33 < >

Image 3.7 Campaign Details

## CÁC DỰ ÁN ĐÃ HOÀN THÀNH

[Khám phá ngay](#)



Nhp155 - Đinh Thị Nga - Làng Lợt, Xã Kong ...  
Xã Kong Pla-Huyện K'Bang-Tỉnh Gia Lai  
Chi phí: 80.000.000 VND  
Cần góp lèo: 0 VND  
Hiện tại: 0 VND

[CHIA SẺ](#)

[HOÀN THÀNH](#)



Nhp134 - Rơ Châm Mức- Làng Bloi - Tt Ia Ly ...  
Thị trấn Ia Ly-Huyện Chư Păh-Tỉnh Gia Lai  
Chi phí: 80.000.000 VND  
Cần góp lèo: 0 VND  
Hiện tại: 0 VND

[CHIA SẺ](#)

[HOÀN THÀNH](#)



Nhp162 - Sùng Thị Phương- Xã Năm Păm - ...  
Xã Năm Păm-Huyện Mường La-Tỉnh Sơn La  
Chi phí: 80.000.000 VND  
Cần góp lèo: 0 VND  
Hiện tại: 0 VND

[CHIA SẺ](#)

[HOÀN THÀNH](#)

Image 3.8 Campaign Details

### c, Screen specifications

Field Name	Field Type	Description
Project list	List	Displays a list of projects included in the campaign
Image of campaign	Image	Cover photo describing the campaign
Image of project	Image	Cover photo describing the project
Information of project	Text field	Display project information: construction information, family circumstances, student information
Project transfer information	Text field	Display project code, project name, transfer information, QR code, notes when transferring money
Name - phone number	Text	-Enter donor's name and phone number, then scan the QR code -Transfer contents without a valid project code or without any project code will be allocated to the projects that have the lowest amount of donations at that time and are still in the “Cần quyên góp” <b>BR 29</b>
Amount	Numeric	Enter the amount you want to donate

Donation Table	Table	Donation table of an project
Completed project	List	View list completed project

*Table 3.5 Campaign details*

#### d, UC Specifications

##### UC-1. View List Donation Project By Campaign

Primary Actor:	Admin, Project Manager, Social Staff, Donor, Guest	Secondary Actors:	N/A
Description:	Users can view a list of projects that need donations for a specific campaign.		
Preconditions:	1. The system is operational		
Postconditions:	1. Displays a list of projects that need donations for the campaign.		
Normal Flow	1. Users access the homepage. 2. Click on “Góp Lè” in the navbar. 3. Select a specific campaign to view. 4. The system will display a list of projects that need donations in that campaign.		
Alternative Flows:	N/A		
Exception Flows:	N/A		

#### 2.1.3 Project List

##### a, Screen Description

- Describes a list of project cards with basic information fields such as cover photo, address, total cost, amount to be donated, amount raised, status
- There is a quick statistics section to summarise the quantity and status of each project by campaign.
- Users can filter by many criteria: campaign, year of implementation, status, amount of money, project name

## b, Screen layout

The screenshot shows a web application interface for a charity organization. At the top, there is a logo with the text "2000" and "Đoàn kết 2000". The navigation bar includes links for "Trang chủ", "Góp lè", "Dự án", "Thử thách và đại sứ", "Tin Sức mạnh 2000", and a user profile icon.

**Thống kê nhanh**

Tổng dự án: 34

Góp lè xây trường: 16  
Góp lè xây cầu: 4  
Góp lè xây nhà: 14

Loại dự án, Năm, Tiết độ, Khoảng tiền, Tên dự án

**Project Cards:**

- ádasd**  
Xã Bình Ba-Huyện Châu Đức-Tỉnh Bà Rịa - Vũng Tàu  
Chi phí: 121 VND  
Cần góp lè: 0 VND  
Hiện tại: 0 VND  
[CHIA SẺ](#) [CẦN GÓP LÈ](#)
- Vàng Thị Hương - Xóm Nà Tóm, Xã Vĩnh Quang**  
Xã Vĩnh Quang-Huyện Bảo Lâm-Tỉnh Cao Bằng  
Chi phí: 1.200.000 VND  
Cần góp lè: 1.200.000 VND  
Hiện tại: 1.246.111 VND  
[CHIA SẺ](#) [CẦN GÓP LÈ](#)
- Sùng A Hải - Xóm Én Cố, Xã Vĩnh Phong, H...**  
Xã Vĩnh Phong-Huyện Bảo Lâm-Tỉnh Cao Bằng  
Chi phí: 3.000.000 VND  
Cần góp lè: 3.000.000 VND  
Hiện tại: 3.275.000 VND  
[CHIA SẺ](#) [CẦN GÓP LÈ](#)

Image 3.9 Project list

## c, Screen specifications

Field Name	Field Type	Description
Campaign	DropList	List campaign to filter
Status	DropList	List status to filter
Year	DropList	List year to filter
Money range	DropList	List money range to filter
Title	Text field	Title to filter
Share button	Button	Button to show modal share project
Project Card	Card	Card with information: title, address, status, target, totalDonation, totalBudget, thumbnail
Statistic section		Summarise the quantity and status of each project by campaign.

Table 3.6 Project Details

#### d, UC Specifications

##### UC-2. View List Project

Primary Actor:	Admin, Project Manager, Social Staff, Donor, Guest	Secondary Actors:	N/A
Description:	Users want to view a list of all projects		
Preconditions:	1. There are project records available in the system. 2. The application is connected to the server.		
Postconditions:	The list of all projects is displayed to the user.		
Normal Flow	1. Users navigate to the home page. 2. Users click on the "Dự Án" on navbar. 3. The application processes the data and displays the list of projects to the user.		
Alternative Flows:	2a. Scroll down to the "Projects being contributed". 2a.1. Click the "View Now" button. 3a. The application processes the data and displays the list of projects to the user.		
Exception Flows:	N/A		

#### 2.1.4 Project Details

##### a, Screen Description

- Display project details including project code, project name, tracking project, sponsor, construction information, context, amount raised, goal, photos description
- Donor enters information including phone number, full name, donation amount, then scans the QR code with the banking app.
- **The statement information will be updated and displayed after 30s (BR-1)**
- **If the project status is not in the form of individual donations or the total amount raised is greater than the target, the donation card item code will not be displayed. (BR-3)**
- **Donate will follow rule of (BR-18)**

b, Screen layout

The screenshot shows a charity website interface. At the top, there is a logo for "SỨC MẠNH 2000" with the tagline "Để mọi người có nhà". The navigation menu includes links to Trang chủ, Giới thiệu, Góp lè, Dự án, Thủ thách và đại sứ, Tin Sức mạnh 2000, and a red button labeled "ĐĂNG NHẬP". Below the menu, a breadcrumb trail shows "Trang chủ / Dự án". The main title of the project is "SÙNG A HẢI - XÓM ÉN CỔ, XÃ VĨNH PHONG, HUYỆN BẢO LÂM- CAO BẰNG". Below the title, it says "Dự án hiện chưa có nhà tài trợ." (The project currently does not have a sponsor). There are three buttons at the bottom left: "Góp lè xây nhà" (Contribute to build a house), "Cần góp là" (Need to contribute), and "3.000.000". To the right of the title is a photograph of a small, dilapidated wooden house with a thatched roof. Below the title, there are three sections: "Ảnh hiện trạng" (Current status) showing a photo of three children standing outside a house; "Ảnh tiến độ" (Progress photo) showing a cartoon character working on a brick wall; and "Ảnh hoàn thiện" (Completion photo) showing the same cartoon character standing next to a completed house.

Image 3.10.1 Project Details

## PHIẾU THÔNG TIN NGÔI NHÀ HẠNH PHÚC

I. THÔNG TIN EM BÉ (Tiêu chí xét) Gia đình có từ 2 bé trở lên, người dân tộc thiểu số, mồ côi, đang đi học, có nhà tạm hoặc chưa có nhà, gđ thuộc hộ nghèo/ ko có thu nhập ổn định)

1. Họ và tên học sinh 1:	Y Bích
2.Ngày sinh, giới tính:	13/11/2010
3. Học lớp nào, trường nào:	học lớp 8 tại trường THCS xã Đăk Pxi
4. Họ và tên học sinh 2:	A Chiến
5.Ngày sinh, giới tính:	2009
6. Học lớp nào, trường nào:	lớp 9A trường THCS xã Đăk Pxi – dân tộc Xơ Đăng
7. Dân tộc:	Xơ Đăng
8.Địa chỉ lưu trú hiện nay:	Thôn Kon Pao Kơ La, xã Đăk Pxi, Đăk Hà, Kon Tum
9.Uớc mơ của em bé:	
10.Đầu mối liên hệ:	UBND xã Đăk Pxi – CT xã +84905088166 Huyện đoàn : 097 3999397

## II. HOÀN CẢNH GIA ĐÌNH

1. Em bé mồ côi ai?	Em mồ côi cả bố và mẹ
2. Tình trạng ở cùng ai hiện tại:	Hiện đang ở cùng chú dì là ông A Chính và bà Y Hàng tại thôn Kon Pao Kơ La
3. Tuổi của người thân:	Cácnh chị em trong nhà gồm: + A Xuất sinh năm2001– dân tộc Xơ Đăng. + A Hưng sinh năm2003– dân tộc Xơ Đăng. + Y Hướng sinh năm2004– dân tộc Xơ Đăng. + A Chiến sinh năm 2009 hiện đang học lớp 9A trường THCS xã Đăk Pxi – dân tộc Xơ Đăng
4. Hoàn cảnh gia đình:	Sau khi bố mẹ mất được Di nhận nuôi tại thôn Kon Pao Kơ La, xã Đăk Pxi. Chú và một số anh chị dù tuổi lao động hiện đang làm thuê, làm công. Ngoài giờ lên lớp, hai em Y Bích và A Chiến lên rừng đi tìm mảng, và làm mì (sản thuê). Hiện đang sống trong nhà 60m2, có nhà chính được làm bằng cột gỗ, mái tôn, vách tôn, nền đất thô sơ và bếp là vách nứa thô sơ
5. Thu nhập chính của gia đình:	Thu nhập chính của gia đình phụ thuộc vào việc di làm công, làm thuê, làm nông.
6. Hỗ trợ từ nhà nước gì?	Gia đình được hỗ trợ 100% thẻ BHYT, chế độ giáo dục đối với người sinh sống tại thôn đặc biệt khó khăn, chế độ trợ cấp BTXH hàng tháng trẻ em dưới 16 tuổi không có nguồn nuôi dưỡng

DA031 - Nhà Hạnh Phúc 168 - Y Bích - thôn Kon Pao Kơ La - Xã Đăk Pxi - Huyện Đăk Hà - Tỉnh Kon Tum

\* Vui lòng chuyển khoản đúng nội dung để chúng tôi có thể sao kê một cách chính xác

VietQR

Nội dung chuyển khoản

DA031 - SĐT - Tên bạn

MB Bank: 0348737721



Hoặc hãy nhập thông tin và quét mã QR

SDT - Tên

Số tiền quyên góp (VND)

Góp lẻ được 5.420.000 Mục tiêu 80.000.000

CẬP NHẬT SAO KÊ					
<input type="text" value="Nội dung chuyển khoản..."/> <input type="button" value="Search"/>					
Tài khoản...	Ngày	Số tiền	Nội dung CK	Tiền dư được chuyển tới	Ghi chú
123456789	07/08/2024 23:41:00	300.000	TT006 - DA031		
0348737721	07/08/2024 22:11:00	740.000	TT033 - DA031		
0348737721	07/08/2024 21:12:00	130.000	TT029 - DA031		
0348737721	07/08/2024 21:11:00	190.000	TT017 - DA031		
0348737721	07/08/2024 20:21:00	90.000	TT017 - DA031		

Rows per page: 5 | 1-5 of 26 | < | >

Image 3.11 Project Details

### c, Screen specifications

Field Name	Field Type	Description
Information of project	Text field	Display project information: construction information, family circumstances, student information
Project transfer information	Text field	Display project code, project name, transfer information, QR code, notes when transferring money
Name - phone number	Text	-Enter donor's name and phone number, then scan the QR code -Transfer contents without a valid project code or without any project code will be allocated to the projects that have the lowest amount of donations at that time and are still in the "Cần quyên góp"
Image	Image	Image describes current status, construction progress and completion
Amount	Numeric	Enter the amount you want to donate
Donation Table	Table	Donation table of an project
Completed project	Card	Display completed project

Donor	Button	Click “nhà hảo tâm” to view list donors
Building model	Button	Click “mô hình xây” to view building model

*Table 3.6 Project Details*

#### d, UC Specifications

##### UC-3. View Project Detail

Primary Actor:	Admin, Project Manager, Social Staff, Donor, Guest	Secondary Actors:	N/A
Description:	Users want to view detailed information about a specific project		
Preconditions:	1. The project to be viewed exists in the system. 2. The application is connected to the server.		
Postconditions:	Detailed information about the selected project is displayed to the user		
Normal Flow	1. Access the project list similar to UC-2. 2. Select the project you want to view details. 3. The system will display project details.		
Alternative Flows:	N/A		
Exception Flows:	N/A		

##### UC-4. Donate Through Project

Primary Actor:	Guest, Donor	Secondary Actors:	N/A
Description:	Users want to make a donation using a QR code		
Preconditions:	1. Users have selected a campaign to donate to. 2. The application is connected to the server. 3. The payment gateway is available.		

Postconditions:	The donation is processed, and the transaction is recorded in the system.
Normal Flow	<ol style="list-style-type: none"> <li>1. User accesses the project detail page similar to UC-3.</li> <li>2. Fill in relevant information.</li> <li>3. The system will automatically generate the corresponding QR code.</li> <li>4. Users open the banking app on their phone and perform a scan and transfer.</li> <li>5. The system will update the statement and display below.</li> </ol>
Alternative Flows:	<ol style="list-style-type: none"> <li>1.a. User accesses campaign detail page 3.1.6.</li> <li>2.a. Fill in relevant information.</li> <li>3.a. The system will automatically generate the corresponding QR code.</li> <li>4.a. Users open the banking app on their phone and perform a scan and transfer.</li> <li>5.a. The system will update the statement and display below.</li> </ol>
Exception Flows:	N/A

### **2.1.5 Challenge List**

#### **a, Screen descriptions**

- Shows a list of all active and closed challenges.
- Each card shows basic information: active status, amount raised, goal, creator, challenge name.
- Users can share challenges on Facebook to raise funds.

**b, Screen layout**

Challenge Name	Creator	Goal	Current Amount	Status
Góp Lè Xây Cầu - Chung Tay Vì ...	Lê Văn Khải	30.000.000 VND	522.000 VND	Còn 1 NGÀY
Góp Lè Xây Cầu - Vững Bước Tự...	Lê Văn Khải	10.000.000 VND	2.172.000 VND	Còn 4 NGÀY
Góp Lè Xây Cầu - Nối Nhịp Yêu T...	Lê Văn Khải	200.000.000 VND	2.780.000 VND	ĐÃ KẾT THÚC
Góp Lè Xây Trường - Xây Dựng -	Trần Thị Bích	9.000.000 VND	1.590.000 VND	ĐÃ KẾT THÚC

Image 3.12 Challenge List

**c, Screen specifications**

Field Name	Field Type	Description
Challenge	Card	Display challenge information: challenge creator name, days left, amount raised, share button on Facebook
Search challenge	Text	Search challenge you wanna join
Share	Button	Share challenge on Facebook
Challenge card	Card	Click to view challenge details

Table 3.7 Challenge List

**d, UC Specifications**

UC-5 View Challenge List

Primary Actor:	Admin, Project Manager, Social Staff, Donor, Guest	Secondary Actors:	N/A
----------------	--	-------------------	-----

Description:	User wants to see a list of challenges.
Preconditions:	1. There exists a challenge in the system. 2. The application is connected to the server.
Postconditions:	The system displays a list of challenges
Normal Flow	1. Go to the homepage. 2. Click on “Thử thách và đại sứ” on the navbar and select “Thử thách”. 3. The system displays a list of challenges.
Alternative Flows:	3a. Enter a keyword in the search box and the system will display a list of suitable challenges.
Exception Flows:	N/A

### 2.1.6 Challenge Details

#### a, Screen description

- Show challenge details: Challenge creator, start date, amount achieved, goal, description image, statement history
- Donor enters information including phone number, full name, donation amount, then scans the QR code with the banking app. The statement information will be updated and displayed after 30s
- **If the challenge has ended, the QR code for donations will not be displayed. (BR-4)**
- **Only when logged in with the account that created the challenge will the option 'Cập nhật thông tin cho thử thách' will be displayed. (BR-5)**
- **Donate will follow rule of BR-18**

### b, Screen layout

**Thử thách góp lè xây cầu vùng lũ lụt**

Trang chủ • Chi tiết

**Còn 1 ngày**

**Người tạo thử thách**  
Nguyễn Hoàng Hiếu  
Ngày bắt đầu: 06/08/2024

Số tiền đạt được: 670.000 VND | Mục tiêu thử thách: 20.000.000 VND

**Cập nhật thông tin cho thử thách**

Chiến dịch kêu gọi góp lè xây dựng cầu cho các vùng lũ lụt

**Chi với 2000đ 1 ngày**

Tham gia thử thách cùng Sức mạnh 2000

3 tháng: 180.000 | 6 tháng: 360.000 | 1 năm: 720.000

Vui lòng sử dụng QR code phía dưới khi chuyển tiền để sao kê được chính xác và thực hiện ngay lập tức. QR sẽ được tự động sinh ra chính xác nhất dùng và số tiền ngày tức thì bạn nhập.

Chọn địa điểm đóng góp  
DA022 - Cầu Dân Sinh Nà Làng - Xã Mông n - Huyện Bảo Lă...

Nội dung chuyển khoản  
TT015 - DA022 - SDT - Tên bạn  
HB Bank: 0348737721

Mã QR cập nhật tự động theo nội dung bạn nhập

SDT - Tên  
Số tiền quyên góp (VND)

**VietQR**

napas 247 | ☆ MB

Sao kê sẽ được hiển thị sau mỗi 30s ở dưới trang này

**CẬP NHẬT SAO KÊ THỬ THÁCH**

\*Nếu bạn sử dụng mã QR hoặc chuyển khoản đúng nội dung, sao kê sẽ được cập nhật sau mỗi 30s

Tài Khoản...	Ngày	Số tiền	Nội dung CK	Dự án đích	Tiền dư được chuyển tới	Ghi chú
0348737721	07/08/2024 05:31...	150.000	TT015 - DA022	DA022-Cầu Dân Sinh Nà...		
0348737721	07/08/2024 06:12...	160.000	TT015 - DA022	DA022-Cầu Dân Sinh Nà...		
0348737721	07/08/2024 07:21...	20.000	TT015 - DA021	DA021-Cầu Dân Sinh Bả...		
0348737721	07/08/2024 09:23...	210.000	TT015 - DA021	DA021-Cầu Dân Sinh Bả...		
0348737721	07/08/2024 11:31...	130.000	TT015 - DA021	DA021-Cầu Dân Sinh Bả...		

Rows per page: 5 | 1-5 of 5

Image 3.13 Challenge Details

### c, Screen specifications

Field Name	Field Type	Description
Challenge Card	Card	Card with information of challenges: creator, goal, start date, endDate, content, title, thumbnail
Share	Button	Share challenge on Facebook
Project transfer information	Text card	Display project code, project name, transfer information, QR code, notes

		when transferring money
Name - phone number	Text	Enter the donor's name and phone number, then scan the QR code. The QR code will be automatically generated from the information entered by the user.
Transaction history table	Table	- Shows people who have donated to the project, amount, and transfer content. Updated after 30 seconds from donor transfer, -The donation history for challenges will only be counted for transfer contents that contain the challenge code and if the challenge is still active.
Link edit challenge	text	Show if user login and is creator of Challenges

*Table 3.8 Challenge Details*

#### d, UC Specifications

##### UC-6 View Challenge Detail

Primary Actor:	Admin, Project Manager, Social Staff, Donor, Guest	Secondary Actors:	N/A
Description:	Admin users want to view a detail of all challenge		
Preconditions:	1. There exists a challenge in the system. 2. The application is connected to the server.		
Postconditions:	The system displays a list of challenge		
Normal Flow	1. Access the list of challenges such as <a href="#">UC-5</a> . 2. Select the challenge you want to see details about. 3. The system will display detailed information of the challenge.		
Alternative Flows:	N/A		
Exception Flows:	N/A		

## UC-7 Donation Through Challenge

Primary Actor:	Guest, Donor	Secondary Actors:	N/A
Description:	Users want to make a donation by participating in a specific challenge associated with a campaign.		
Preconditions:	1. Users have selected a challenge they want to participate in. 2. The application is connected to the server. 3. The donation is available. 4. The selected challenge is active and accepting donations.		
Postconditions:	1. The donation is processed, and the donation is recorded in the system. 2. The user's participation in the challenge is logged.		
Normal Flow	1. The user accesses the challenge details page <a href="#">UC-6</a> . 2. Fill in relevant information. 3. The system will automatically generate the corresponding QR code. 4. Users open the banking app on their phone and perform a scan and transfer. 5. The system will update the statement and display below.		
Alternative Flows:	N/A		
Exception Flows:	N/A		

### 2.1.7 Ambassador List

#### a, Screen description

- Show list of ambassadors
- On each card, display basic information including: ambassador name, amount raised, number of companion challenges, start date
- Users can search for ambassadors by name.

## b, Screen layout

The screenshot shows a web page titled "Đại sứ đồng hành cùng Sức Mạnh 2000". At the top right, there is a navigation bar with links: Trang chủ, Góp lè, Dự án, Thủ thách và đại sứ, Tin Sức mạnh 2000, and a user profile icon. Below the title, there is a search bar labeled "Tên đại sứ" with a magnifying glass icon. The main content area displays a grid of eight ambassador profiles. Each profile card includes a placeholder image, the ambassador's name in red, their total amount raised (e.g., 6.974.000 VND), the number of challenges they have participated in (e.g., 3), the date they joined (e.g., 08/06/2024), and an orange "Trang cá nhân" button.

Field Name	Field Type	Description
Ambassador card	Card	Display ambassador name , amount raised, date joined, peer challenge
Search	Text	Search ambassador you want to follow
Profile	Button	View profile of ambassador

Image 3.14 Ambassador List

## c, Screen specification

Field Name	Field Type	Description
Ambassador card	Card	Display ambassador name , amount raised, date joined, peer challenge
Search	Text	Search ambassador you want to follow
Profile	Button	View profile of ambassador

Table 3.9 Ambassador List

## d, UC Specifications

### UC-8 View List Ambassador

Primary Actor:	Admin, Project Manager, Social Staff, Donor, Guest	Secondary Actors:	N/A
Description:	Admin users want to view a detail of all ambassadors.		

Preconditions:	1. There is at least one donor in the system. 2. The application is connected to the server.
Postconditions:	The system displays a list of challenge
Normal Flow	1. Access to the home page. 2. Click on “Ambassadors and challenges”. 3. Select “Ambassadors” 4. The system displays the list of ambassadors.
Alternative Flows:	3.a. Enter the keyword you want to search for in the “Search” box. 4.a. The system will display results that match the entered content.
Exception Flows:	N/A

### **2.1.8 Ambassador Detail**

#### **a, Screen description**

- Show ambassador details: Ambassador, community raised amount, number of donations, fundraising campaigns, donation history
- Hiển thị list các challenges mà đại sứ đó đang thực hiện có 2 trạng thái active và expired.
- **The statement when users donate through the portal will be updated every 30 seconds in the table below (BR-1).**
- **The statement in the profile page will only display the donation content when users donate through the "Quyên góp ngay" portal (BR-6).**
-

b, Screen layout

The screenshot displays a charity crowdfunding platform interface. At the top, there's a navigation bar with links to 'Trang chủ', 'Góp lè', 'Dự án', 'Thứ thách và đại sứ', 'Tin Sức mạnh 2000', and a button labeled 'ĐĂNG NHẬP'. Below the navigation is a large banner image of a dramatic sky with cumulus clouds. On the left side, there's a placeholder for a user profile picture. The main content area features a title 'Ngô Văn Em' in bold black font, followed by a total amount '6.974.000 VND' and a counter '16' indicating the number of supporters. A descriptive text below states: 'Tiền lè của bạn có thể góp sức xây thêm hàng nghìn điểm trường để thắp sáng ước mơ học tập nơi vùng sâu núi cao, chấm dứt tình trạng phải dạy và học trong căn nhà sập xé, đột nát'. To the right of this information is a link 'Số lượt quyên góp'. Below this section is a button labeled 'QUYÊN GÓP NGAY >'. In the center, there's a heading 'Chiến dịch đồng hành gây quỹ' and two tabs: 'DẠNG THỰC HIỆN' (which is currently selected) and 'ĐÃ KẾT THÚC'. Under the 'DẠNG THỰC HIỆN' tab, there's a thumbnail image of a traditional house with a tiled roof. To its right, there's a summary: 'Thứ thách xây nhà mái ấm', 'Mục tiêu: 120.000.000 VND', and 'Hiện tại: 4.570.000 VND'. Below this summary are two buttons: 'CHIA SẺ' and 'CÒN 1 NGÀY'. At the bottom of the page, there's a section titled 'CẬP NHẬT SAO KÊ' containing a search bar and a table with columns: 'Tài khoản...', 'Ngày', 'Số tiền', 'Nội dung CK', 'Dự án đích', and 'Tiền dư đích'. The table shows 'No rows'.

Image 3.15 Ambassador Details

c, Screen specification

Field Name	Field Type	Description
“Quyên góp ngay”	Button	Donate to the project the ambassador is calling for
Project card	Card	- Click to view project details - The campaign history of ambassadors is only counted when the transfer content contains a valid ambassador code. <b>BR 27</b>
Share	Button	Share project on Facebook

*Table 3.10 Ambassador details*

d, UC Specifications

UC-9 View Ambassador Detail

Primary Actor:	Admin, Project Manager, Social Staff, Donor, Guest	Secondary Actors:	N/A
Description:	Admin users want to view a detail of all challenge		
Preconditions:	1. That ambassador exists in the system. 2. The application is connected to the server.		
Postconditions:	The system displays a list of challenge		
Normal Flow	1. Access the list of ambassadors such as UC-8. 2. Select the ambassador you want to view. 3. The system will display the detailed information of that ambassador.		
Alternative Flows:	N/A		
Exception Flows:	N/A		

### 2.1.9 Donation through an ambassador

#### a, Screen description

- Display a card with information for users to donate through the ambassador; the donated amount will be counted toward the total funds raised for ranking purposes on the ranking page
- **The project list in donate now card will only display the list of projects in the donation status (BR-6)**
- **The statement will be displayed every 30 seconds in the statement in the ambassador's profile page (BR-1)**
- **Donate will follow rule of BR-18**

#### b, Screen layout

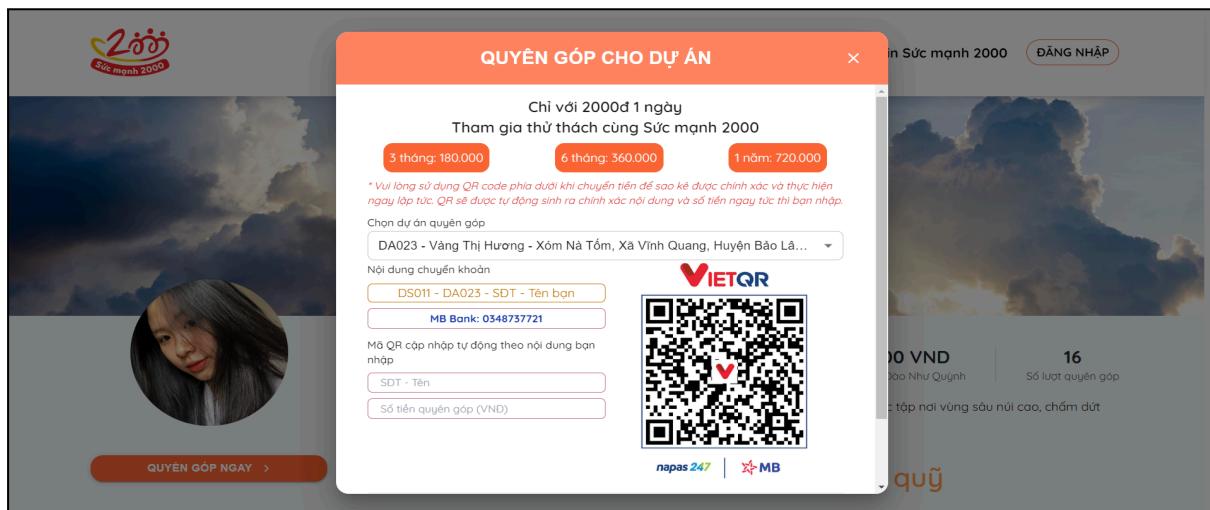


Image 3.16 Donate through ambassador

#### c, Screen specification

Field Name	Field Type	Description
Donation Card	Card	Card with donation info and list projects
Project List	Drop List	List of need donation projects
QR code	image	QR code with ambassador code has been config
Description	Text field	Transfer description
Amount	number	Amount of money

Table 3.11 Donate through ambassador

## d, UC Specifications

### UC-10 Donate Through Profile Page

Primary Actor:	Guest, Donor	Secondary Actors:	N/A
Description:	Users can make donations through the ambassadors' personal pages.		
Preconditions:	1. The application is connected to the server 2. The ambassador exists in the system.		
Postconditions:	1. The donation is processed, and the transaction is recorded in the system. 2. The donation is associated with the user's profile, and the project's donation total is updated.		
Normal Flow	1. The user accesses the profile page such as <a href="#">UC-9</a> . 2. Fill in relevant information. 3. The system will automatically generate the corresponding QR code. 4. Users open the banking app on their phone and perform a scan and transfer. 5. The system will update the statement under that personal page.		
Alternative Flows:	N/A		
Exception Flows:	N/A		

### 2.1.10 Ranking

#### a, Screen description

- **Display the list of 10 challenges that raised the most money. (BR-7)**
- **Display the list of 10 people who raised the most donations. (BR-8)**
- **Display the list of 10 people who donated the most. (BR-9)**

## b, Screen layout

The screenshot shows the homepage of the website 'Sức Mạnh 2000'. At the top, there is a navigation bar with links to 'Trang chủ', 'Góp lè', 'Dự án', 'Thử thách và đại sứ', 'Tin Sức mạnh 2000', and a user profile icon. The main header is 'Đại sứ và thử thách' with a sub-link 'Trang chủ > Thử thách'. Below this, a large banner features the text 'TOP 10 ĐẠI SỨ ĐỒNG HÀNH CÙNG SỨC MẠNH 2000' and a 'Xem thêm →' button. The central content area displays a table ranking the top 10 ambassadors based on their contribution amount and the number of supporters.

Rank	Đại sứ	Số tiền kêu gọi được	Số lượt quyên góp kêu gọi
1	N Ngõ Văn Em	6.974.000 VNĐ	16
2	T Trần Văn Bình	5.510.000 VNĐ	15
3	L Lê Văn Khải	5.472.000 VNĐ	17
4	T Trần Thị Bích	5.200.000 VNĐ	15
5	P Phạm Văn Dũng	4.760.000 VNĐ	15
6	G Giảng A Lữ	4.269.000 VNĐ	20
7	N Nguyễn Thị Lan	3.880.000 VNĐ	15
8	N Ngõ Thị Lan	3.720.000 VNĐ	15
9	P Phạm Thế Vinh	3.670.000 VNĐ	15
10	H Hoàng Văn Minh	2.830.000 VNĐ	15

Below the ranking, there is a section titled 'CÁC THỬ THÁCH TIÊU BIỂU' with four cards showing featured challenges:

- Thử Thách Góp Lè Xây Cầu - Côn...**  
Người tạo: Trần Văn Bình  
Mục tiêu: 95.000.000 VNĐ  
Hiện tại: 2.700.000 VNĐ
- Góp Lè Xây Trường - Uơm Mầm ...**  
Người tạo: Trần Thị Bích  
Mục tiêu: 110.000.000 VNĐ  
Hiện tại: 2.490.000 VNĐ
- Cải tạo phòng học**  
Người tạo: Giảng A Lữ  
Mục tiêu: 150.000.000 VNĐ  
Hiện tại: 2.290.000 VNĐ
- Thử thách góp lè xây nhà tình th...**  
Người tạo: Ngõ Thị Lan  
Mục tiêu: 12.000.000 VNĐ  
Hiện tại: 2.260.000 VNĐ

Image 3.17 Ranking

## c, Screen specification

Field Name	Field Type	Description
Ambassador	Button	Click ambassador name to view ambassador profile

View more	Button	Click to view more ambassadors
View more	Button	Click to view more challenges
Completed challenges	Card	View completed challenges list

Table 3.11 Ranking

#### d, UC Specifications

##### UC-11 View Ranking

Primary Actor:	Admin, Project Manager, Social Staff, Donor, Guest	Secondary Actors:	N/A
Description:	Người dùng muốn xem ranking của những người quyên góp nhiều nhất, những người kêu gọi quyên góp nhiều nhất và những thử thách thành công nhất.		
Preconditions:	1. The application is connected to the server.		
Postconditions:	Users want to see the rankings of the top donors, the top fundraisers, and the most successful challenges.		
Normal Flow	1. Access to the home page. 2. Click on “Ambassadors and challenges”. 3. Select “Ranking” 4. The system displays the ranking of the system.		
Alternative Flows:	N/A		
Exception Flows:	N/A		

#### 2.1.11 News List

##### a, Screen description

- Display news with latest news, updated date.
- Users can choose news category, news display style (grid or category).
- Users can search news by entering title and search box.
- **Only posts with published status will appear. BR-19**

### b, Screen layout

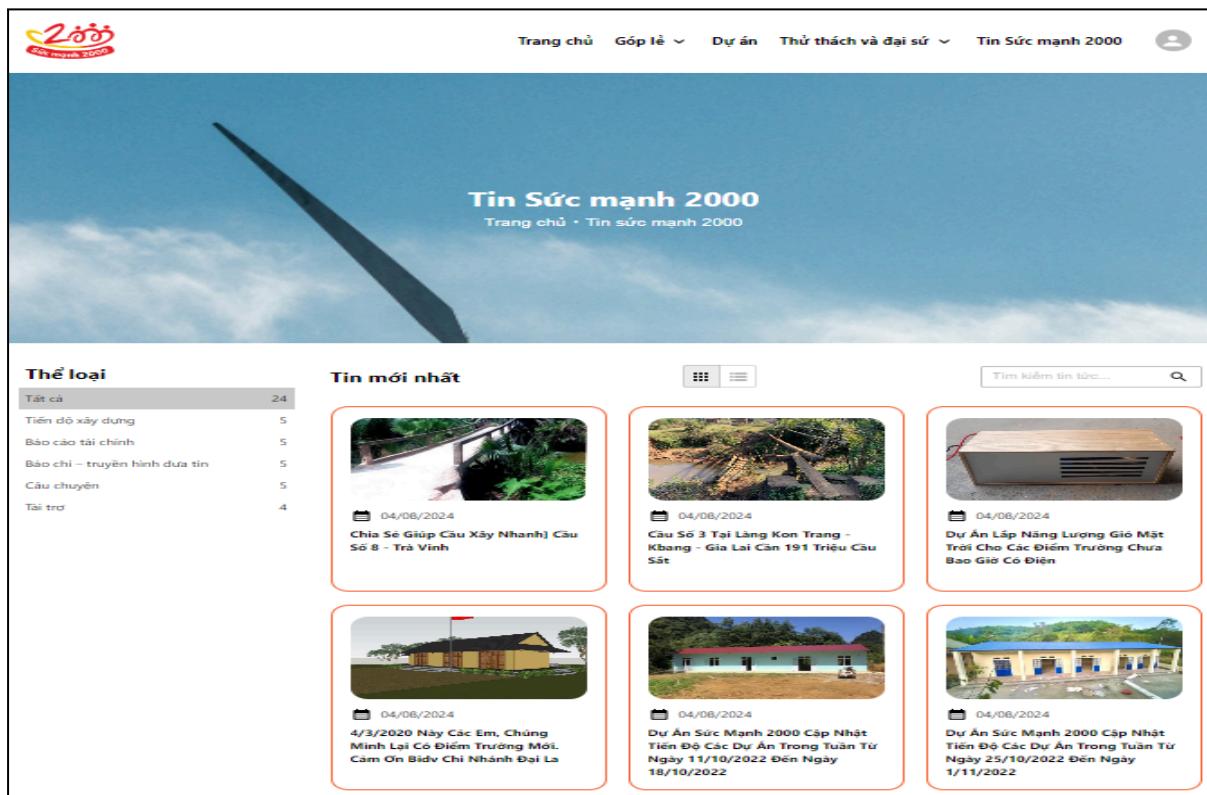


Image 3.18 News List

### c, Screen specification

Field Name	Field Type	Description
Display type	Button	Choose to display news in grid or list style
Search	Text	Search title of news to view post
Category	List	Select the news category you want to see
Pagination	Button	Show older news

Table 3.12 News list

### d, UC Specifications

UC-12 View Public News List

Primary Actor:	Admin, Project Manager, Social Staff, Donor, Guest	Secondary Actors:	N/A
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Description:	Người dùng có thể xem được danh sách các tin tức.
Preconditions:	1. There is at least one news item in the system. 2. The application is connected to the server.
Postconditions:	The system displays a list of challenge
Normal Flow	1. The user accesses the homepage. 2. Click on the “News” section. 3. The system displays a list of news.
Alternative Flows:	N/A
Exception Flows:	N/A

### 2.1.12 News Details

#### a, Screen description

- Show post details: author name, creation date, content
- Only posts with published status will appear.
- Related posts will be displayed according to the category that the user selects in the category section

### b, Screen layout

Chi tiết bài viết  
Trang chủ • Tin tức • Chi tiết

**Thể loại**

Tất cả	24
Tiến độ xây dựng	5
Báo cáo tài chính	5
Báo chí – truyền hình đưa tin	5
Câu chuyện	5
Tài trợ	4

**Related News**

Chia Sẻ Giúp Cầu Xây Nhanh... 04/08/2024
Cầu Số 3 Tại Làng Kon Trang... 04/08/2024
Dự Án Lắp Năng Lượng Gió... 04/08/2024
4/3/2020 Nay Các Em, Chún... 04/08/2024
Dự Án Sức Mạnh 2000 Cấp... 04/08/2024
Dự Án Sức Mạnh 2000 Cấp... 04/08/2024

**Chia Sẻ Giúp Cầu Xây Nhanh] Cầu Số 8 - Trà Vinh**

Hơn 75 hộ gia đình với hơn 200 nhân khẩu bị ảnh hưởng và ảnh hưởng tới sinh hoạt thường ngày và cả đi học. Cầu nghiêng khiến cho ai đi cầu cũng lo lắng về việc đổ. Cầu dài tới 30 mét, khi xây mới sẽ rộng 3m. Tài trong 1,5 tấn, 3 nhịp cầu.

Số tiền 400.000.000 VNĐ nhưng đã huy động địa phương đối ứng 200.000.000 nên chỉ cần 200.000.000 VNĐ kêu gọi là.

Đã có 50tr từ câu Tuyên Quang số 2 dư chuyển qua ai

Image 3.19 News Details

### c, Screen specification

Field Name	Field Type	Description
Category	Button	Select the news category you want to see
Related	Button	Shows suggested articles you might want to see

Table 3.13 News details

### d, UC Specifications

UC-13 View Public News Detail

Primary Actor:	Admin, Project Manager, Social Staff, Donor, Guest	Secondary Actors:	N/A
Description:	The user wants to view the details of the news.		

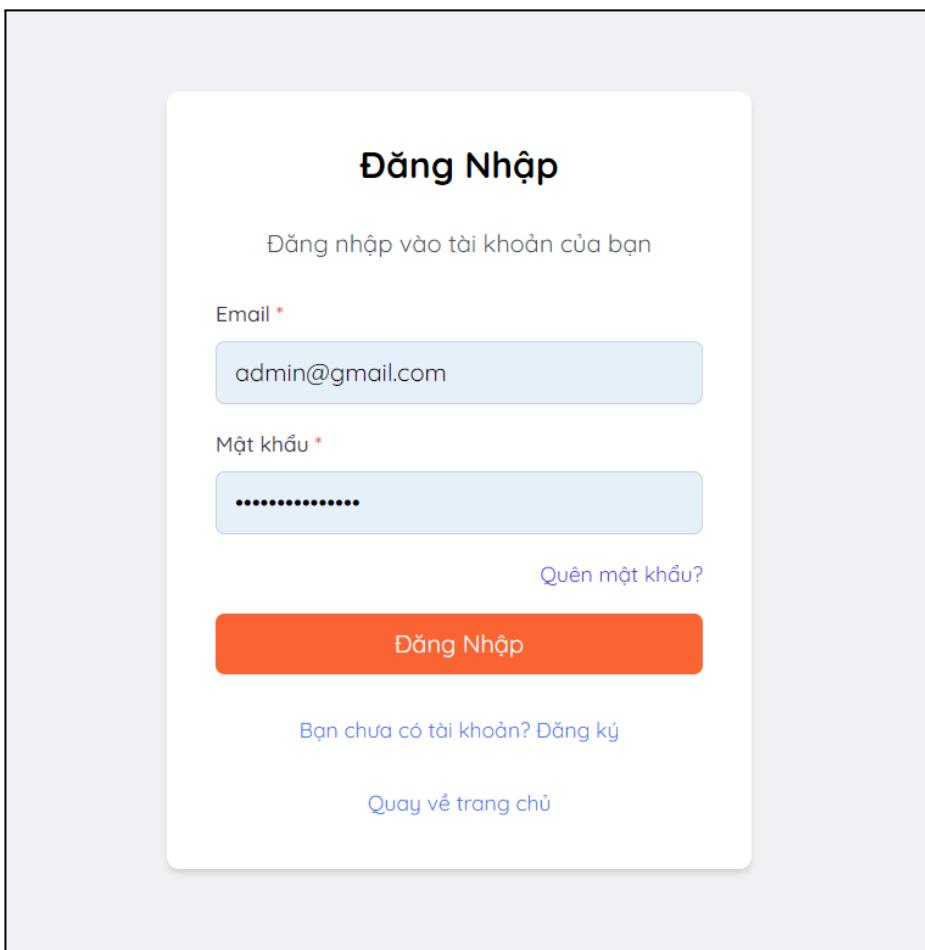
Preconditions:	<ol style="list-style-type: none"> <li>1. The news exists in the system.</li> <li>2. The application is connected to the server.</li> </ol>
Postconditions:	The system displays the news details.
Normal Flow	<ol style="list-style-type: none"> <li>1. The user accesses the news list page similar to <a href="#">UC-12</a>.</li> <li>2. Select the news to view.</li> <li>3. The system displays the news details.</li> </ol>
Alternative Flows:	N/A
Exception Flows:	N/A

### 2.1.13 User Login

#### a, Screen description

- This screen allows donors to be authenticated to the system screens/functionalities.
- Fields marked with \* are mandatory. **BR-11**
- **BR-21: The “Email” field must be 1 - 50 characters.**
- **BR-30: The “Email” field must follow the format abc@xyz.com.**
- **BR-31: The “Mật khẩu” field must contain from 8 to 15 characters.**

**b, Screen layout**



*Image 3.20 User Login*

**c, Screen specification**

Field Name	Field Type	Description
Email: required	Text	Email to register an account and receive information
Password: required	Text	Password to log in to the website must be 8 - 15 characters, have at least one letter and one number
Forgot password	Button	Click on the forgot login password, you will enter your email, and a new password will be sent to your email.
Log in	Button	Click when you have filled in all the login information: email and password in correct format , If the account is correct, the system redirects users to the corresponding homepage
Register	Button	Click if you do not have an account to log in to the website
Back to homepage	Button	Click when you want to return to the home page

*Table 3.14 User login*

**d, UC Specifications**

UC-14 Login

Primary Actor:	Admin, Project Manager, Social Staff, Donor	Secondary Actors:	N/A
Description:	This use case describes the process of user authentication when an user attempts to log in to the system. The outcome is either a successful login or a rejection due to incorrect credentials		
Preconditions:	1. The system is operational 2. User's account information is store in the system		
Postconditions:	1. User is signed into GPM system successfully 2. If authentication fail, the system display error message		
Normal Flow	1. User goes to Login page		

	2. User enter “Email” and “Mật khẩu” 3. User click “Đăng nhập” button 4. System allows user to access to GPM system
Alternative Flows:	N/A
Exception Flows:	2a. The user entered the wrong account or password. 3a. User click “Đăng nhập” button 4a. The system displays the corresponding notification.

#### **2.1.14 Register**

##### **a, Screen description**

- This screen allows the user to be registered with the system screens/functions.
- **Fields marked with \* are mandatory. BR-11**
- **Each email can only be registered for one account in the system. BR-12**
- **An OTP will be sent via the registered email. BR-13**
- **The OTP will be 6 characters long. BR-14**
- **The OTP is valid for 3 minutes. BR-15**
- **The password will be encrypted before being stored in the system. BR-16**
- **If the correct OTP is not entered, the account will not be saved in the system. BR-17**

**b, Screen layout**

The screenshot shows a registration form titled "ĐĂNG KÝ". It contains four input fields: "Họ và tên" (Full name), "E-mail", "Mật khẩu" (Password), and "Xác nhận mật khẩu" (Confirm password). Below these fields is a large yellow "ĐĂNG KÝ" button. At the bottom right of the form, there is a blue link that says "Bạn đã có tài khoản? Quay lại đăng nhập" (Already have an account? Go back to login).

*Image 3.21 Register*

**c, Screen specification**

Field Name	Field Type	Description
Full name: required	Text	Full name of donor , Full names must be 1 - 100 characters and do not contain special characters,
Email: required	Text	Enter email to log into the system, email must be in correct format, 1-50 characters and not appear in the system,
Password: required	Text	Password to log in to the website must be 8 characters or more, have at least one letter and one number
Confirm password : required	Text	Confirm password one more time, The "Nhập lại mật khẩu" input must match the "Mật khẩu" input,
Register	Button	After entering all fields with the correct format . click to sign up. When registering or changing a password, the user must enter the password twice.

Sign in	Button	If you had account , back to log in screen
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Table 3.14 Register

#### d, UC Specifications

##### UC-15 Register

Primary Actor:	Guest, Donor	Secondary Actors:	N/A
Description:	This use case describes the process of registering a new account in the GPM system. It allows users to create a new account by providing their email, verifying their identity through an OTP sent to the email.		
Preconditions:	User has not registered an account.		
Postconditions:	User account is successfully registered, and they can login with their new account.		
Normal Flow	<ol style="list-style-type: none"> <li>1. The user accesses the login page similar to <a href="#">UC-14</a> and click “Bạn chưa có tài khoản? Đăng ký”.</li> <li>2. The system will display a Register page.</li> <li>3. The user enters the registration fields.</li> <li>4. The system displays the verification code input box and sends the verification code to the registered email.</li> <li>5. The user .</li> <li>6. The system confirms the code and the user has returned to the login page and the system displays the message successfully.</li> <li>7. User is returned to the Login page.</li> </ol>		
Alternative Flows:	4a. If the user does not receive the otp code via email. 4a.1. The user presses the "Gửi lại OTP" button to receive a new code. Usecase continues to step 5.		
Exception Flows:	3a.If the user enters the registered email address or the password field is not the same, the system will send an error message.		

### 2.1.15 Forgot password

#### a, Screen description

- In case the user forgets the password, the user can retrieve the password by filling in the registered account information.
- **The new password will be auto-generated with a length ranging from 8 to 15 characters.**
- **The password will be sent via email.**

#### b, Screen layout

Image 3.22 Password Reset

#### c, Screen specification

Field Name	Field Type	Description
Email: required	Text	Enter email which you signed up
“Đặt lại mật khẩu”	Button	Click when you enter an email to receive a new password . The reset password will be generated randomly and sent to the user's email. <b>BR 20</b>

Table 3.16 Password reset

#### d, UC Specifications

UC-16 Forgot Password

Primary Actor:	Admin, Project Manager, Social Staff, Donor, Guest	Secondary Actors:	N/A
----------------	--	-------------------	-----

Description:	It allows the User to initiate the password reset process if they have forgotten their password.
Preconditions:	The email already exists in the system.
Postconditions:	The account password is successfully reset.
Normal Flow	<ol style="list-style-type: none"> <li>1. The user accesses the login page similar to <a href="#">UC-12</a>.</li> <li>2. Enter your email.</li> <li>3. The system will send a new password via email.</li> <li>4. Return to the login page and continue logging in with the provided email.</li> </ol>
Alternative Flows:	N/A
Exception Flows:	N/A

## 2.2 Profile Page Feature

### 2.2.1 User Own Profile Page

#### a, Screen description

- Show create challenge function, donate now
- Show ongoing challenge
- Show donation history

## b, Screen layout

Trang chủ   Giới thiệu   Góp lè v...   Dự án   Thủ thách và đại sứ v...   Tin Sức mạnh 2000  

**Nguyễn Hoàng Hiếu** 2.040.000 VND  
Cộng đồng của Nguyễn Hoàng Hiếu | Số lượt quyên góp: 15

Tienda của bạn có thể góp sức xây thêm hàng nghìn điểm trường để thấp thoáng ước mơ học tập nơi vùng sâu núi cao, chấm dứt tình trạng phải dạy và học trong căn nhà sập xé, đót nát

[TẠO THỦ THÁCH >](#) [QUYEN GÖP NGAY >](#)

**Chiến dịch đồng hành gây quỹ**

DANG THỰC HIỆN ĐÃ KẾT THÚC

Thủ thách	Mục tiêu	Hiện tại	Chia sẻ	Còn 1 Ngày
Thủ thách góp lè xây cầu vùn...	20.000.000 VND	670.000 VND	<a href="#">CHIA SẺ</a>	<a href="#">CÒN 1 NGÀY</a>
Thủ thách góp lè xây trường n...	140.000.000 VND	670.000 VND	<a href="#">CHIA SẺ</a>	<a href="#">CÒN 10 NGÀY</a>

CẬP NHẬT SAO KÊ

"Nếu bạn sử dụng mã QR hoặc chuyển khoản đúng nội dung, sao kê sẽ được cập nhật sau mỗi 30s"

Tài khoản...	Ngày	Số tiền	Nội dung CK	Dự án đích	Tiền dư
0348737721	07/08/2024 15:32:...	110.000	TT014 - DA026	DA026-Diểm Trường Văn...	
0348737721	07/08/2024 10:32:...	130.000	TT014 - DA026	DA026-Diểm Trường Văn...	
0348737721	07/08/2024 03:13:...	160.000	TT014 - DA026	DA026-Diểm Trường Văn...	
0348737721	06/08/2024 22:12:...	140.000	TT014 - DA026	DA026-Diểm Trường Văn...	
0348737721	06/08/2024 20:12:...	130.000	TT014 - DA026	DA026-Diểm Trường Văn...	

Image 3.23 User Profile

## c, Screen specification

Field Name	Field Type	Description
------------	------------	-------------

Report 3 (SRS Document)

Create challenge	Button	Only donors can create challenge
Donate now	Button	Donate project now
Companion campaign	List	Fundraising campaign
Progressing	Grid	Show projects status “cần góp力量”
Completed	Grid	Show projects status “đã hoàn thành”
Donation history	List	View donation history

Table 3.17 User profile

#### d, UC Specifications

##### UC-17 View Own Profile Page

Primary Actor:	Donor	Secondary Actors:	N/A
Description:	User can view his/her personal page.		
Preconditions:	1. User must log in with permission to view his/her personal page.		
Postconditions:	The account password is successfully reset.		
Normal Flow	1. User logs into the system using UC-12 2. User clicks the avatar on the navbar and selects “Personal page”. 3. The system will display the user’s personal page.		
Alternative Flows:	N/A		
Exception Flows:	N/A		

#### 2.2.2 New Challenge

##### a, Screen description

- Allow donors to create challenges with basic information: Challenge name, end date, desired amount, project they want to support, cover photo

- Only donor accounts are allowed to create challenges. (BR-32)
- The challenge name cannot be empty. (BR-33)
- The challenge name must be between 1 and 255 characters in length. (BR-34)
- The end date must be after the current date. (BR-35)
- At least one project must be selected to accompany.(BR-36)

**b, Screen layout**

The screenshot shows a user interface for creating a new challenge. The title bar says 'Tạo thử thách mới'. The form consists of several input fields and sections:

- Tên thử thách:** Input field for the challenge name.
- Số tiền mong muốn đạt được:** Input field for the target amount, with a dropdown menu showing 'VND' and a date input field for 'Ngày kết thúc' (End Date) in 'dd/mm/yyyy' format.
- Nội dung thử thách:** Text area for the challenge content.
- Lựa chọn dự án để đồng hành:** Section for selecting projects. It includes checkboxes for 'Chọn tất cả' (Select all) and 'Góp lè xây nhà' (Contribute to build houses), followed by a list of specific projects:
  - Nhà Hạnh Phúc 130 - Lò Thị Chem - Bản Nâm Sập - Xã Nâm Pì - Huyện Nậm Nhùn - Tỉnh Lai Châu
  - Nhà Hạnh Phúc 168 - Y Bích - thôn Kon Pao Kơ La - Xã Đăk Pxi - Huyện Đăk Hà - Tỉnh Kon Tum
  - Sùng Thị Kia - Xóm Phia Cò, Xã Nam Cao, Huyện Bảo Lâm, Tỉnh Cao Bằng
  - Sùng A Hải - Xóm Én Cỗ Xã Vĩnh Phons, Huyện Rào Lâm- Cao Bằng
- TẢI ẢNH BÀI THỬ THÁCH:** Button for uploading challenge photos, accompanied by three placeholder image icons.
- TẠO THỬ THÁCH:** Large orange button at the bottom right to submit the challenge.

Image 3.24 New Challenge

**c, Screen specification**

Field Name	Field Type	Description
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Create challenge board	Board	Challenge name, end date, desired amount, project they want to support, cover photo
Name : required	Text	Name of challenge
Amount: required	Numeric	Desired amount to achieve
End date	Date field	End date of challenge
Content	Text	Content of challenge
Project	Choose	Project they want to support
Photo	File (jpg,png)	Cover photo of challenge

Table 3.18 New challenge

#### d, UC Specifications

##### UC-18 Create New Challenge

Primary Actor:	Donor	Secondary Actors:	N/A
Description:	Users can create challenges to call for donations to the projects of “Strong 2000”.		
Preconditions:	1. The user is logged into their account. 2. The logged in account has the right to create a new challenge. 3. The application is connected to the server.		
Postconditions:	1. The new challenge is saved to the system.		
Normal Flow	1. The user accesses the personal page similar to UC-17. 2. Click on the “Create challenge” button. 3. The system displays the form to create the challenge. 4. The user fills in the challenge information in the form. 5. The user clicks the “Create challenge” button.		

	6. The system notifies that the challenge has been created successfully.
Alternative Flows:	<p>5a. Click on the blank space outside the form.</p> <p>6a. The system cancels the new challenge creation and returns to the personal page.</p>
Exception Flows:	6a. If the user enters the wrong data format, the system will report the corresponding error.

### 2.2.3 Update Challenge

#### a, Screen description

- Only challenges that have not yet expired can be updated. (BR-37)
- Only the “Tên thử thách”, “Số tiền mong muốn đạt được”, “Ngày hết hạn”, “Nội dung thử thách”, and “Banner” can be updated. (BR-38)
- Only the challenge created by the user themselves can be updated. (BR-39)

#### b, Screen layout

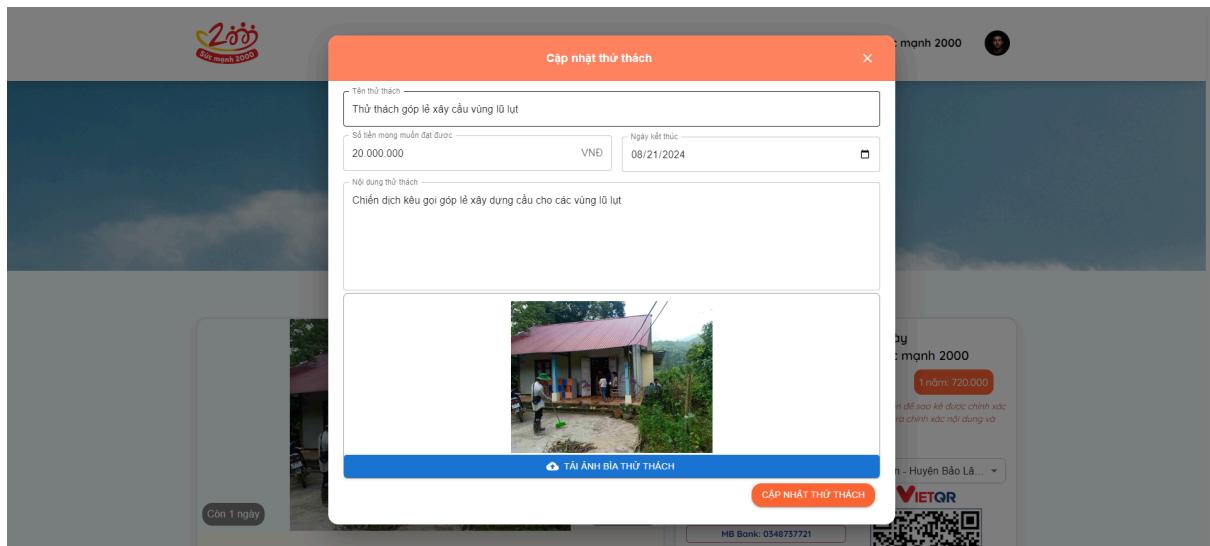


Image 3.25 UpdateChallenge

#### c, Screen specification

Field Name	Field Type	Description

Update challenge dialog	Dialog	Challenge name, end date, desired amount, they want to support, cover photo
Name : required	Text	Name of challenge
Amount: required	Numeric	Desired amount to achieve
End date	Date field	End date of challenge
Content	Text	Content of challenge
Photo	File (jpg,png)	Cover photo of challenge

Table 3.19 New challenge

#### d, UC Specifications

##### UC-19 Update Challenge

Primary Actor:	Donor	Secondary Actors:	N/A
Description:	Users can update the information of the challenges they create.		
Preconditions:	1. The user logs in with the account that created the challenge. 2. The challenge exists in the system. 3. The application is connected to the server.		
Postconditions:	1. The challenge information is updated to the system.		
Normal Flow	1. The user accesses the challenge details similar to UC-6. 2. Click on “Update information for challenge”. 3. The system displays the form to update the challenge. 4. The user fills in the new information of the challenge in the form. 5. The user clicks the “Update challenge” button. 6. The system notifies that the challenge has been updated.		

Alternative Flows:	5.a. Click on the blank space outside the form. 6.a. The system cancels the challenge update and returns to the personal page.
Exception Flows:	6.a. If the user enters the wrong data format, the system will report the corresponding error.

## 2.3 User Profile Feature (Role Donor)

### 2.3.1 View Profile

#### a, Screen description

- Display donor's personal information including: email, full name, phone number, address, gender, date of birth
- Display functions such as: edit information, change password, change avatar

#### b, Screen layout

The screenshot displays a user profile editing interface. At the top, there is a navigation bar with links: Trang chủ, Góp Iè, Dự án, Thủ thách và đại sứ, Tin Sức mạnh 2000, and a user icon. The main section is titled 'THÔNG TIN CÁ NHÂN'. It features a placeholder for a profile picture with a 'CHỌN ẢNH' button below it. The user's current information is shown: Email (cuonglv0709@gmail.com), Họ và Tên (Le Van Cuong), and Số điện thoại. There are fields for Địa chỉ, Gender (radio buttons for Nam and Nữ selected for Nữ), and Ngày sinh (dd/mm/yyyy). At the bottom of the form are two buttons: 'SỬA THÔNG TIN' (Edit Information) and 'ĐỔI MẬT KHẨU' (Change Password).

Image 3.26 Edit Profile

#### c, Screen specification

Field Name	Field Type	Description

Email	Text	Email of donor
Full name : required	Text	Full name of donor. Full names must be 1 - 100 characters and do not contain special characters. <b>BR 07</b>
Phone number	Numeric	Phone number of donor. The email address must be unique for each user. <b>BR 09</b>
Address	Text	Address of donor
DOB	Date field	-DOB of donor, The date of birth must be before the current time. <b>BR 16</b> - The field should only accept a valid date in the specified format (DD/MM/YYYY) <b>BR 17</b>
Gender	Choose	Male or female
Edit profile	Button	Edit profile of donor
Change avatar	Button	Click to change avatar
Change password	Button	Change password of account

Table 3.20 Edit profile

#### d, UC Specifications

##### UC-20 View Profile

Primary Actor:	Donor	Secondary Actors:	N/A
Description:	Users want to view their profile information within the system.		
Preconditions:	1. Users have logged into the system. 2. The application is connected to the server.		
Postconditions:	The user's profile information is retrieved from the system and displayed on the application.		
Normal Flow	1. User logs into the system similar to UC-14. 2. Click on avatar and select "Edit account" 3. The system will display the user's personal information.		

Alternative Flows:	N/A
Exception Flows:	N/A

### 2.3.2 Edit Profile

#### a, Screen description

- Display donor's personal information including: email, full name, phone number, address, gender, date of birth
- Display functions such as: edit information, change password, change avatar
- Only “Họ và tên”, “Số điện thoại”, “Địa chỉ” , “Giới tính”, and “Ngày sinh” can be edited. (BR-40)
- The phone number must be 10 characters long. (BR-25)
- The address can have a maximum length of 255 characters. (BR-28)
- The date of birth must be a date before the current date.. (BR-29)

#### b, Screen layout

The screenshot shows the 'Edit Profile' form. At the top left is the logo '2000' with the text 'tết xuân mới 2000'. The top right has navigation links: Trang chủ, Góp lè, Dự án, Thủ thách và đại sứ, Tin Sức mạnh 2000, and a user icon. The main section is titled 'THÔNG TIN CÁ NHÂN'. It includes a placeholder for a profile picture with a 'CHỌN ANH' button. Below it are input fields for: Email (cuonglv0709@gmail.com), Họ và Tên (Le Van Cuong), Số điện thoại (empty), Địa chỉ (empty), Ngày sinh (dd/mm/yyyy, empty), and Gender (radio buttons for Nam and Nữ). At the bottom are two buttons: 'SỬA THÔNG TIN' and 'ĐỔI MẬT KHẨU'.

Image 3.27 Edit Profile

#### c, Screen specification

Field Name	Field Type	Description
Email	Text	Email of donor
Full name : required	Text	Full name of donor. Full names must

		be 1 - 100 characters and do not contain special characters.
Phone number	Numeric	Phone number of donor. The email address must be unique for each user.
Address	Text	Address of donor
DOB	Date field	-DOB of donor, The date of birth must be before the current time. - The field should only accept a valid date in the specified format (DD/MM/YYYY)
Gender	Choose	Male or female
Edit profile	Button	Edit profile of donor
Change avatar	Button	Click to change avatar
Change password	Button	Change password of account

Table 3.21 Edit profile

#### d, UC Specifications

##### UC-21 Edit Profile

Primary Actor:	Donor	Secondary Actors:	N/A
Description:	Users want to view their profile information within the system.		
Preconditions:	1. Users have logged into the system. 2. The application is connected to the server.		
Postconditions:	The user's profile information is retrieved from the system and displayed on the application.		
Normal Flow	1. Users log into the system similar to UC-20. 2. Click "Edit information". 3. The system displays the profile update form. 4. Users change profile information. 5. User clicks the "Edit" button.		

	6. The system will display a notification that the user's personal information has been successfully updated.
Alternative Flows:	5.a. User clicks the "Cancel" button 6.a. The system will cancel the personal information change operation.
Exception Flows:	N/A

### 2.3.3 Change Password

#### a, Screen description

- Change password screen
- The “Mật khẩu” field must contain from 8 to 15 characters. **BR-31**

#### b, Screen layout

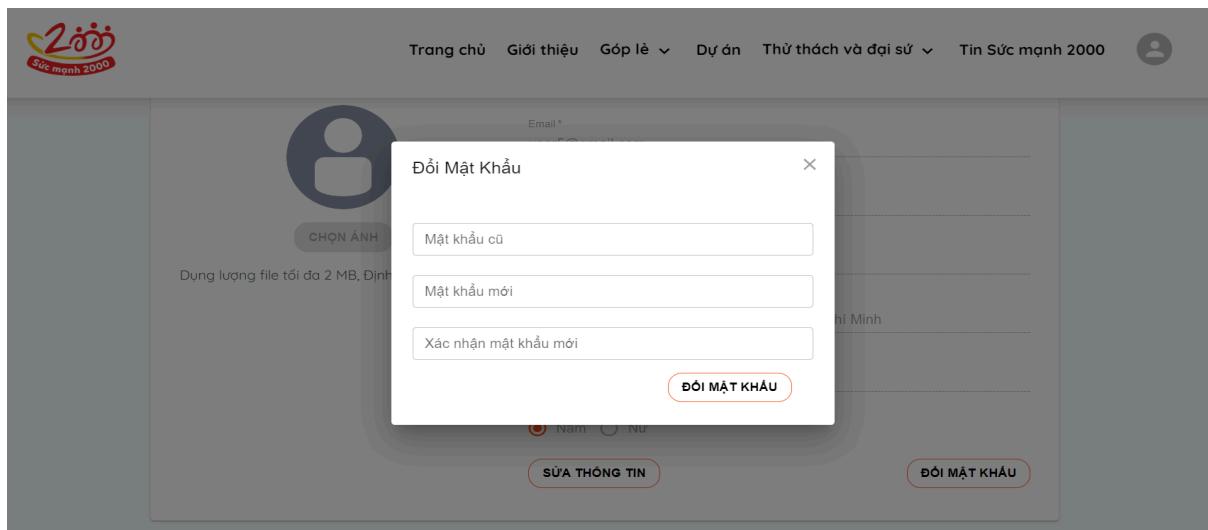


Image 3.28 Change Password

#### c, Screen specification

Field Name	Field Type	Description
Old password	Text field	Old password
New password	Text field	New password
Confirm password	Text field	Confirm password
Cancel button	button	
Submit button	button	

Table 3.22 Edit profile

#### d, UC Specifications

##### UC-22 Change Password

Primary Actor:	Admin, Project Manager, Social Staff, Donor	Secondary Actors:	N/A
Description:	Users want to view their profile information within the system.		
Preconditions:	1. Users have logged into the system. 2. The application is connected to the server.		
Postconditions:	The user's profile information is retrieved from the system and displayed on the application.		
Normal Flow	The user logs into the system similarly to UC-20. Clicks “Đổi mật khẩu”. The system displays the form “đổi mật khẩu”. The user updates their profile information. The user clicks the “Sửa” button. The system will display a message indicating that the user's personal information has been successfully updated.		
Alternative Flows:	5.a. The user clicks the “Hủy” button. 6.a. The system will cancel the operation of updating personal information.		
Exception Flows:	N/A		

#### 2.3.4 View History Donation

##### a, Screen description

The user clicks on the donation history on the profile on the top right and will display that user's donation history

### b, Screen layout

The screenshot shows a user profile for 'Đào Như Quỳnh' with a balance of '0 VND'. A dropdown menu is open, showing options like 'Trang cá nhân' and 'Lịch sử quyên góp', with 'Lịch sử quyên góp' highlighted with a red box. Below the profile, there's a section titled 'LỊCH SỬ QUYÊN GÓP' containing a table with no rows.

Image 3.29 Donation history

### c, Screen specification

Field Name	Field Type	Description
Donation table	table	has columns: account, date, amount, description, project, transferred project

Table 3.23 Donation history

### d, UC Specifications

#### UC-23 View History Donation

Primary Actor:	Donor	Secondary Actors:	N/A
Description:	Users can view their donation history.		
Preconditions:	1. Users have logged into the system. 2. The application is connected to the server.		
Postconditions:	The system displays the user's donation history.		

Normal Flow	<ol style="list-style-type: none"> <li>The user logs into the system similarly to UC-14.</li> <li>Clicks the avatar and selects “Lịch sử quyên góp”.</li> <li>The system will display the user's donation history.</li> </ol>
Alternative Flows:	N/A
Exception Flows:	N/A

## 2.4 Dashboard Feature

### 2.4.1 View Dashboard

#### a, Screen description

- Display admin management functions: project management, campaign management, account management, user management, news management, donation list
- Display figures on donation amount, sponsorship amount

#### b, Screen layout

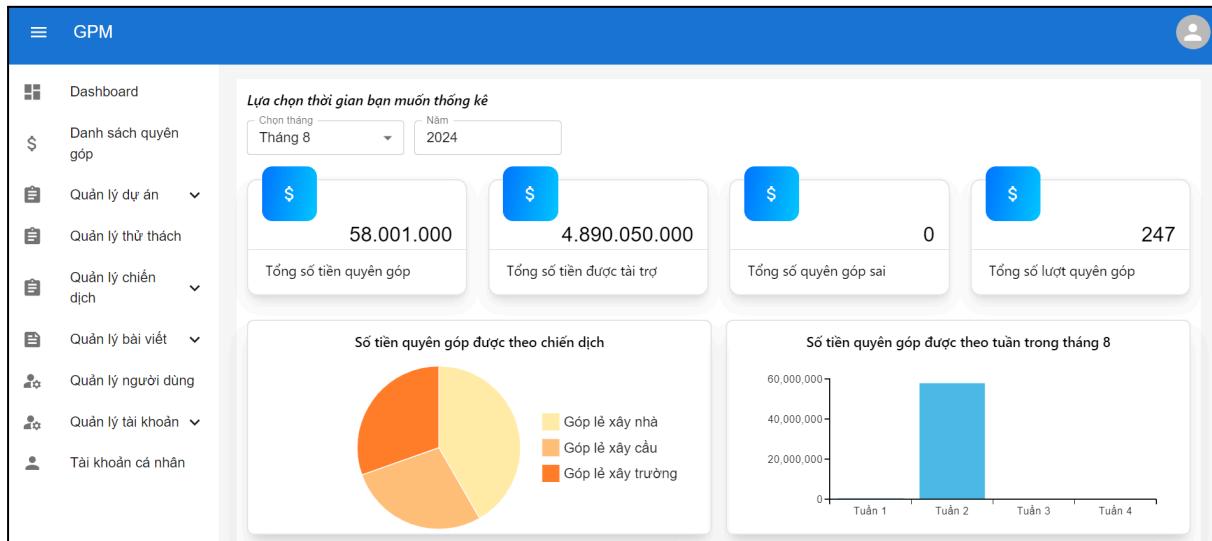


Image 3.20 Admin Dashboard

#### c, Screen specification

Field Name	Field Type	Description
Choose month	Droplist	Select the month you want statistics for
Choose year	Number field	Enter the year you want statistics for
Dashboard	Button	View admin dashboard
Donation list	Button	View donation list

Project management	Button	View project management screen
Campaign management	Button	View campaign management screen
Challenge management	Button	View challenge management screen
News management	Button	View news management screen
User management	Button	View user management screen
Account management	Button	View account management screen
Admin profile	Button	Admin profile screen

Table 3.24 Admin dashboard

#### d, UC Specifications

##### UC-24 View Dashboard

Primary Actor:	Admin, Project Manager, Social Staff	Secondary Actors:	N/A
Description:	Users with management privileges can view the system's report page.		
Preconditions:	1. The user logs into the system with an account that has permission to view the dashboard. 2. The application is connected to the server.		
Postconditions:	The system displays the system's statistical report.		
Normal Flow	1. The user logs into the system similarly to UC-14 with a staff account. 2. The system will display the dashboard page.		
Alternative Flows:	N/A		
Exception Flows:	N/A		

## 2.5 Staff Account management

### 2.5.1 Account List

#### a, Screen description

- This is the account management screen
- Allows Admin and Manager roles to access and manage the status of the account.
- Users can filter news by items such as email , status , role.
- Admin role will be allowed to edit all accounts.
- Admin can create new management account
- **Only admins have the right to view the staff account list. (BR-41)**

#### b, Screen layout

STT	Email	Họ và tên	Vai trò	DOB	Trạng thái	Actions
1	emily.williams@gmail.com	Phạm Văn Yên	Social Staff	1988-02-28	Hoạt động	<button>CHI TIẾT</button>
2	michael.johnson@gmail.com	Lê Thị Vân	Project Manager	1992-07-15	Hoạt động	<button>CHI TIẾT</button>
3	jane.smith@gmail.com	Trần Văn Sơn	Social Staff	1985-11-05	Hoạt động	<button>CHI TIẾT</button>
4	robert.wilson@gmail.com	Đoàn Thị Minh	Social Staff	2001-12-12	Hoạt động	<button>CHI TIẾT</button>
5	emily.davis@gmail.com	Tô Văn Lâm	Project Manager	2000-11-11	Hoạt động	<button>CHI TIẾT</button>
6	michael.smith@gmail.com	Phan Thị Hiền	Social Staff	1997-08-08	Hoạt động	<button>CHI TIẾT</button>
7	jane.doe@gmail.com	Đặng Văn Giang	Project Manager	1996-07-07	Hoạt động	<button>CHI TIẾT</button>
8	socialstaff@gmail.com	Lê Thị Điểm Mỹ	Social Staff	1993-04-04	Hoạt động	<button>CHI TIẾT</button>
9	projectmanager@gmail.com	Phạm Văn Cường	Project Manager	1992-03-03	Hoạt động	<button>CHI TIẾT</button>
10	admin@gmail.com	Trần Thị Bích Ngọc	Admin	1991-02-02	Hoạt động	<button>CHI TIẾT</button>

Image 3.31 Account List

#### c, Screen specification

Field Name	Field Type	Description
Account Table	Table	List account, Columns: Email, full name, role, DOB, status, action..
Email	Text	Filter by email
Status	DropList	Filter by status
Role	DropList	Filter by role
Create new account	Button	Create new account management

Detail button	Button	Navigate to Detail account
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Table 3.27 Account list

#### d, UC Specifications

##### UC-25 View Staff Account List

Primary Actor:	Admin	Secondary Actors:	N/A
Description:	Admin users want to view a list of all staff accounts.		
Preconditions:	1. Admin users have logged into the system. 2. There are user accounts available in the system. 3. The application is connected to the server..		
Postconditions:	The list of all staff accounts is displayed to the admin user.		
Normal Flow	1. Admin users navigate to the management page. 2. Click on “Danh sách tài khoản”. 3. The system displays a list of accounts.		
Alternative Flows:	N/A		
Exception Flows:	N/A		

#### 2.5.2 Create Account

##### a, Screen description

- Display account details: email, full name, phone number, date of birth, address, role.
- **Only admin can create account staff (BR-42)**

### b, Screen layout

The screenshot shows the GPM application's interface. On the left is a sidebar with various menu items. The main area is titled "Tạo tài khoản" (Create Account). It contains a form with the following fields:

- Email\*: group28gpm@gmail.com
- Mật khẩu\*: (redacted)
- Họ và tên\*: (redacted)
- Vai trò\*: (redacted)
- Ngày sinh: dd/mm/yyyy (with a calendar icon)
- Giới tính: Chọn giới tính (dropdown)
- Địa chỉ: (redacted)
- Số điện thoại: (redacted)

At the bottom of the form are two buttons: "TẠO TÀI KHOẢN" (Create Account) and "HỦY" (Cancel).

Image 3.32 Create Account

### c, Screen specification

Field Name	Field Type	Description
Email : required	Text field	Email of account
Full name : required	Text field	Full name of account
Phone number : optional	Number	Phone number of account
Address: optional	Text field	Address of account
Role: required	Droplist	Role of account
Gender: optional	Droplist	Gender of account
DOB: optional	Date field	-DOB of account, The date of birth must be before the current time. - The field should only accept a valid date in the specified format (DD/MM/YYYY)
Create button	Button	Allow admin to create new account
Cancel button	Button	Redirect to view list account screen

Table 3.26 Create account

### d, UC Specifications

#### UC-26 Create Staff Account

Primary Actor:	Admin	Secondary Actors:	N/A
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Description:	Admin users want to create a new user account
Preconditions:	1. Admin users have logged into the system. 2. The application is connected to the server.
Postconditions:	A new user account is created and stored in the system.
Normal Flow	1. Admin user accesses the account list page <a href="#">UC-25</a> . 2. Admin users click on the "Tài khoản mới" button. 3. Admin users fill in the required details for the new account (e.g., Họ và tên, email, Vai trò, Mật khẩu..). 4. Admin users click on the "Tạo tài khoản" button. 5. The system displays a message of successful creation and returns to the account list page.
Alternative Flows:	1a. Admin user accesses the management page. 2a. Admin users click on the "Tạo tài khoản nhân viên" button on sidebar. 3a. Admin users fill in the required details for the new account (e.g., Họ và tên, email, Vai trò, Mật khẩu..). 4a. Admin users click on the "Tạo tài khoản" button. 5a. The system displays a message of successful creation and returns to the account list page.
Exception Flows:	3a. If you enter incorrect information and press the "Tạo tài khoản" button. 4a. The system will display the corresponding error message.

### 2.5.3 Update Staff Account

#### a, Screen description

- Display account details: email, full name, phone number, date of birth, address, role.
- Only admin can update account management
- **Only the admin has the right to update a staff account. BR-43**
- **Only the role and status of the account can be updated. BR-44**

### b, Screen layout

The screenshot shows the 'Tạo tài khoản' (Create Account) screen. The left sidebar has a 'Dashboard' icon and a list of modules: Danh sách quyền gộp, Quản lý dự án, Quản lý thử thách, Quản lý chiến dịch, Quản lý bài viết, Quản lý người dùng, Quản lý tài khoản, and Tài khoản cá nhân. The main area has a title 'Tạo tài khoản'. It contains several input fields: 'Email\*' with value 'group28gpm@gmail.com', 'Mật khẩu\*' with value '\*\*\*\*\*', 'Họ và tên\*' with placeholder 'Nhập họ và tên...', 'Vai trò\*' with placeholder 'Chọn vai trò...', 'Ngày sinh' with placeholder 'dd/mm/yyyy' and a calendar icon, 'Giới tính' with placeholder 'Chọn giới tính...', 'Địa chỉ' with placeholder 'Nhập địa chỉ...', 'Số điện thoại' with placeholder 'Nhập số điện thoại...', a 'TẠO TÀI KHOẢN' button in blue, and a 'HỦY' button in light blue.

Image 3.33 Update Account

### c, Screen specification

Field Name	Field Type	Description
Email : required	Text field	Email of account
Full name : required	Text field	Full name of account
Phone number : optional	Number	Phone number of account
Address: optional	Text field	Address of account
Role: required	Droplist	Role of account
Gender: optional	Droplist	Gender of account
DOB: optional	Date field	-DOB of account, The date of birth must be before the current time. - The field should only accept a valid date in the specified format (DD/MM/YYYY)
Create button	Button	Allow admin to create new account
Cancel button	Button	Redirect to view list account screen

Table 3.27 Update Account

### d, UC Specifications

#### UC-27 Update Staff Account

Primary Actor:	Admin	Secondary Actors:	N/A
Description:	Admin users want to create a new user account		

Preconditions:	<ol style="list-style-type: none"> <li>1. Admin users have logged into the system.</li> <li>2. The application is connected to the server.</li> </ol>
Postconditions:	A new user account is created and stored in the system.
Normal Flow	<ol style="list-style-type: none"> <li>1. Admin user accesses the account list page <a href="#">UC-25</a>.</li> <li>2. Click the “Chi tiết” button next to the account you want to update.</li> <li>3. The system will display a form to update the information.</li> <li>4. The user updates the account information.</li> <li>5. Click the “Cập nhật” button.</li> <li>6. The system displays a notification.</li> </ol>
Alternative Flows:	<ol style="list-style-type: none"> <li>5.a. The user clicks the “Hủy” button.</li> <li>6.a. The system cancels the update operation and returns to the account list page.</li> </ol>
Exception Flows:	N/A

## 2.6 Campaign Management

### 2.6.1 Campaign List

#### a, Screen Description

- This is the campaign management screen
- Users can filter campaigns by items such as titles.

## b, Screen layout

STT	Tên Chiến Dịch	Mô Tả	Ngày Tạo	Ngày Cập Nhật	Hành động
1	Góp lè xây trường	Tiền lè của bạn có thể góp sức xây thêm hàng nghìn điểm trường đ...	01/07/2024	10/08/2024	<button>CHI TIẾT</button>
2	Góp lè xây cầu	Tiền lè của bạn có thể góp sức xây hàng trăm nghìn cây cầu, hiến t...	20/05/2024	10/08/2024	<button>CHI TIẾT</button>
3	Góp lè xây nhà	Tiền lè của bạn có thể góp sức xây thêm hàng nghìn căn nhà hành ...	15/06/2024	10/08/2024	<button>CHI TIẾT</button>

Image 3.34 Campaign List

## c, Screen Specification

Field Name	Field Type	Description
Create campaign	Button	Navigate to create campaign page
Campaign table	Table	Column: Id, Title, Description, Created At, Updated At, Action
Search	Search	Enter keywords to search for campaigns
Detail	Button	Navigate to detail campaign page

Table 3.28 Campaign list

## d, UC Specifications

### UC-28 View Campaign List

Primary Actor:	Admin, Project Manager, Social Staff	Secondary Actors:	N/A
Description:	Users want to view a list of all campaigns.		
Preconditions:	1. Users have logged into the system.		

	2. There is at least one active campaign in the system.
Postconditions:	The list of all campaigns is displayed to the user.
Normal Flow	<ol style="list-style-type: none"> <li>1. Users access the dashboard page <a href="#">UC-24</a>.</li> <li>2. User clicks on "Quản lý chiến dịch".</li> <li>3. The system displays a list of campaigns.</li> </ol>
Alternative Flows:	N/A
Exception Flows:	N/A

### 2.6.2 Update Campaign Details

#### a, Description

- Screen display campaign detail
- Display campaign information: Title, Description and thumbnail
- Button “Lưu” will show only when the user is Admin
- **Only Admin can update campaign BR-45**

#### b, Screen layout

The screenshot shows a web-based application interface for managing campaigns. On the left, there's a sidebar with various menu items such as 'Dashboard', 'Danh sách quyên góp', 'Quản lý dự án', 'Quản lý thử thách', 'Quản lý chiến dịch', 'Chiến dịch', 'Tạo chiến dịch', 'Quản lý bài viết', 'Quản lý người dùng', 'Quản lý tài khoản', and 'Tài khoản cá nhân'. The main content area is titled 'Chi tiết chiến dịch' and contains fields for 'Tên chiến dịch' (Name) with the value 'Tiền lè', 'Góp lè xây trường', and 'Nội dung' (Content) with a descriptive paragraph. Below these is a section for 'Ảnh bìa chiến dịch:' (Campaign banner) which shows a placeholder image with the text 'No image'. At the bottom right of the main area is a blue button labeled 'CẤP NHẬT' (Update).

Image 3.35 Campaign Details

#### c, Screen specifications

Field Name	Field Type	Description
Title	Text box	Title of campaign,

Description	Text box	Description of campaign
Image	Image	Upload campaign image,
Update	Button	Update button, Navigate Campaign list when update successfully
Cancel	Button	Back to campaign list

Table 3.29 Campaign detail

#### d, UC Specifications

##### UC-29 View Campaign Detail

Primary Actor:	Admin, Project Manager, Social Staff	Secondary Actors:	N/A
Description:	Users want to view detailed information about a specific campaign		
Preconditions:	1. Users have logged into the system 2. There is at least one campaign in the system. 3. The application is connected to the server.		
Postconditions:	Detailed information about the selected campaign is displayed to the user		
Normal Flow	1. Users access the dashboard page <a href="#">UC-24</a> . 2. User clicks on "Quản lý chiến dịch". 3. User clicks on "Chi tiết". 4. The system displays a list of detailed campaigns.		
Alternative Flows:	N/A		
Exception Flows:	N/A		

##### UC-30 Update Campaign Detail

Primary Actor:	Admin	Secondary Actors:	N/A
----------------	-------	-------------------	-----

Description:	Users want to update detailed information about a specific campaign
Preconditions:	<ol style="list-style-type: none"> <li>1. The user has permission to edit the campaign.</li> <li>2. There is at least one campaign in the system.</li> <li>3. The application is connected to the server.</li> </ol>
Postconditions:	Detailed information about the selected campaign is displayed to the user
Normal Flow	<ol style="list-style-type: none"> <li>1. Users access the detailed campaign page UC-29.</li> <li>2. The user enters the information to be updated.</li> <li>3. The user clicks on the "Cập nhật" button.</li> <li>4. The system displays a successful update notification.</li> </ol>
Alternative Flows:	N/A
Exception Flows:	N/A

### 2.6.3 Create Campaign

#### a, Description

- Screen display create campaign form
- **Button “Chiến dịch mới” will show only when the user is Admin. (BR-46)**
- New campaigns will be created when successfully created.
- **“Tên chiến dịch” has a maximum length of 255 characters. BR-47**

### b, Screen layout

Image 3.36 Create Campaign

### c, Screen specifications

Field Name	Field Type	Description
Title	Text box	Title of campaign,
Description	Text box	Description of campaign
Image	Image	Upload image of campaign,
Save	Button	Save button, when successfully navigate campaign list
Cancel	Button	Back to campaign list

Table 3.30 Create campaign

### d, UC Specifications

#### UC-31 Create Campaign

Primary Actor:	Admin	Secondary Actors:	N/A
Description:	Users want to create a new campaign.		
Preconditions:	1. Users have logged into the system with appropriate permissions (Admin). 2. The application is connected to the server.		

Postconditions:	A new campaign is created and stored in the system.
Normal Flow	<ol style="list-style-type: none"> <li>1. Users access the campaign list page <a href="#">UC-28</a>.</li> <li>2. User clicks on "Chiến dịch mới".</li> <li>3. Users fill in the necessary information when creating a new campaign.</li> <li>4. User click "Tạo mới" button.</li> <li>5. The system displays successfully and redirects to the campaign list.</li> </ol>
Alternative Flows:	<ol style="list-style-type: none"> <li>2a. Users click “Tạo chiến dịch” on the sidebar.</li> <li>3a. Users fill in the necessary information when creating a new campaign.</li> <li>4a. User click "Tạo mới" button.</li> <li>5a. The system displays successfully and redirects to the campaign list.</li> </ol>
Exception Flows:	5a. If the user fills in the wrong information the system will display corresponding error messages.

## 2.7 User Profile (Role Admin, Project Manager, Social Staff)

### 2.7.1 Admin Profile Details

#### a, Screen Description

- This is the user profile management screen.
- Allows the user Admin, Project Manager, Social Staff roles to access and manage the user profile.
- Admin, Project Manager, Social Staff role will be allowed to view profiles.

#### b, Screen layout

The screenshot shows the 'Profile Details' screen of the GPM application. The sidebar on the left includes links for Dashboard, Danh sách quyên góp, Quản lý dự án, Quản lý thử thách, Quản lý chiến dịch, Quản lý bài viết, Quản lý người dùng, Quản lý tài khoản, and Tài khoản cá nhân. The main content area is titled 'THÔNG TIN CÁ NHÂN'. It features a placeholder for a profile picture with a 'CHỌN ANH' button. Below it, there are input fields for Email (group28gpm@gmail.com), Họ và Tên (Hoàng Thế Anh), Số điện thoại (0909123456), Địa chỉ (123 Đường Lê Lợi, Quận 1, Thành phố Hồ Chí Minh), and gender selection (radio buttons for Nam and Nữ). A date field shows Ngày sinh (01/01/1990). At the bottom are two buttons: 'SỬA THÔNG TIN' and 'ĐỔI MẬT KHẨU'.

Image 3.37 Profile Details

### c, Screen Specification

Field Name	Field Type	Description
Profile form	Form	Field: Email, Fullname, Phone number, Address, Gender, Dob
Change information	Button	Floating display of information fields for editing
Change password	Button	Display pop-up to change password

Table 3.31 Profile details

### d, UC Specifications

#### UC-31 Admin View Profile

Primary Actor:	Admin, Project Manager, Social Staff	Secondary Actors:	N/A
Description:	Users want to view their profile information within the system.		
Preconditions:	1. Users have logged into the system. 2. The application is connected to the server.		
Postconditions:	The user's profile information is retrieved from the system and displayed on the application.		
Normal Flow	1. The user logs into the system similarly to UC-24. 2. Clicks on “Tài khoản cá nhân”. 3. The system will display the user's personal information.		
Alternative Flows:	N/A		
Exception Flows:	N/A		

### 2.7.2 Admin Profile Update

#### a, Description

- Screen display profile update.
- Display profile information: Email, Full name, Phone number, Address, Gender, Dob, Avatar.

- Button “Lưu” will show only when the user is Admin, Project Manager, Social Staff.

### b, Screen layout

Image 3.38 Profile Update

### c, Screen specifications

Field Name	Field Type	Description
Add image	Button	To add avatar of profile,
Full name	Text	Full name of manager
Phone number	Text	Phone number of manager,
Address	Text	Address of manager,
Gender	Radio	Gender of manager
Date of birth	Date	Date of birth of manager,
Save	Button	Save information
Cancel	Button	Hide information fields
Change password	Button	Display pop-up to change password

Table 3.32 Profile update

#### d, UC Specifications

##### UC-32 Admin Profile Update

Primary Actor:	Admin, Project Manager, Social Staff	Secondary Actors:	N/A
Description:	Users want to view their profile information within the system.		
Preconditions:	1. Users have logged into the system. 2. The application is connected to the server.		
Postconditions:	Personal information of the user is updated on the system.		
Normal Flow	1. The user accesses the detailed personal account information page UC-31. 2. Clicks on “Đổi thông tin”. 3. The system displays the form to update information. 4. The user fills in the new updated information. 5. Click the “Lưu” button. 6. The system displays a successful update notification.		
Alternative Flows:	5.a. Clicks the “Hủy” button. 6.a. The system cancels the update operation.		
Exception Flows:	N/A		

#### 2.7.3 Admin Change Password

##### a, Description

- Screen display change password.
- Display password field: Old password, New Password, Renew Password.
- **BR-31: The “Mật khẩu” field must contain from 8 to 15 characters.**

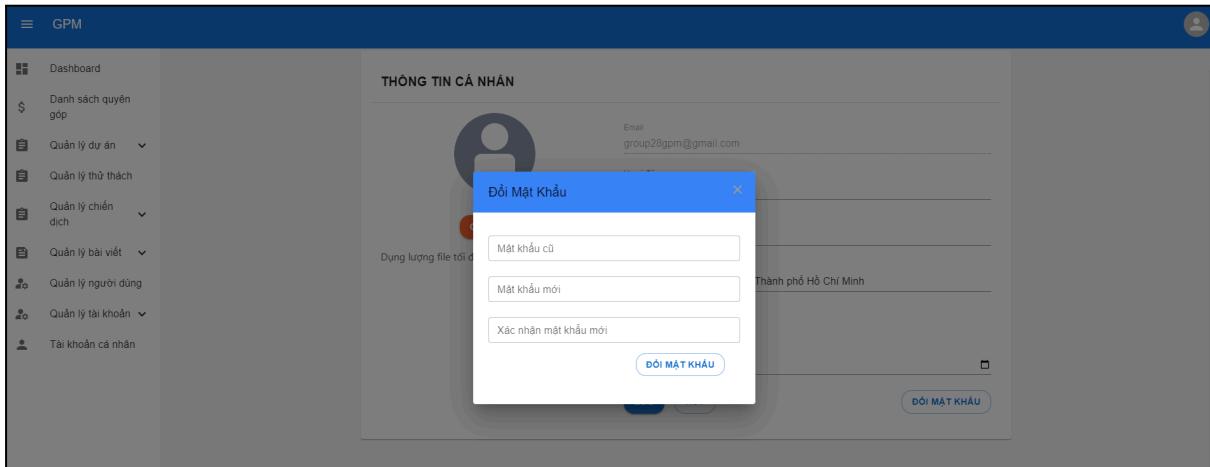
**b, Screen layout**

Image 3.39 Change Password

**c, Screen specifications**

Field Name	Field Type	Description
Change password	Pop-up	Field: old password, new password, renew password
Old password	Text box	Enter old password
New password	Text box	Enter new password,
Re new password	Text box	Enter renew password,
Change password	Button	Save changed information

Table 3.33 Change password

**d, UC specifications**Similar [UC-14](#)**2.8 Category Management****2.8.1 Category List****a, Screen Description**

- This is the category management screen
- Every staff role can access and view list categories
- Only the admin role will be allowed to view detail and edit all categories.

### b, Screen layout

STT	Tiêu đề	Số lượng bài viết	Actions
1	Tiền đồ xây dựng	7	
2	Báo cáo tài chính	5	
3	Báo chí – truyền hình đưa tin	5	
4	Câu chuyện	6	
5	Tài trợ	5	

Rows per page: 10 1–5 of 5 < >

Image 3.40 Category List

### c, Screen Specification

Field Name	Field Type	Description
Create	Button	Navigate to create category page
Category table	Table	Column: Id, Title, Quantity, Action
Detail	Button	Navigate to detail category page
Hide	Button	Hide category

Table 3.34 Category list

### d, UC Specifications

UC-38 View Category List

Primary Actor:	Admin, Social Staff, Project Manager	Secondary Actors:	N/A
Description:	Staff users want to view a list of all categories.		
Preconditions:	1. The user is logged into the system with appropriate permissions to view. 2. The application is connected to the server.		

Postconditions:	The system displays a list categories.
Normal Flow	<ol style="list-style-type: none"> <li>1. Log in and access the management page.</li> <li>2. Click “Quản lý danh mục” on the sidebar.</li> <li>3. The system will display a list of categories.</li> </ol>
Alternative Flows:	N/A
Exception Flows:	N/A

### UC-39 Deactivate Category

Primary Actor:	Admin	Secondary Actors:	N/A
Description:	Admin can deactivate a category.		
Preconditions:	<ol style="list-style-type: none"> <li>1. Users have the right to deactivate news categories.</li> <li>2. That category exists in the system.</li> <li>3. The application is connected to the server.</li> </ol>		
Postconditions:	The system displays a list of expense's assigned project		
Normal Flow	<ol style="list-style-type: none"> <li>1. The user accesses the news category page.</li> <li>2. Click the deactivate button next to the category you want to deactivate.</li> <li>3. The system displays a pop-up confirming the hidden news category.</li> <li>4. Click "Xác nhận" to confirm hiding that news category.</li> <li>5. The system displays a confirmation message that the news category has been successfully hidden.</li> </ol>		
Alternative Flows:	<ol style="list-style-type: none"> <li>4. Click "Hủy" to cancel the operation of hiding that news category.</li> <li>5. The system returns to the news category list page.</li> </ol>		

Exception Flows:	N/A
------------------	-----

## 2.8.2 Update Category Details

### a, Description

- Screen display category detail.
- Display category information: Title, Description.
- Button “Cập nhật” will show only when the user is Admin: BR-48

### b, Screen layout

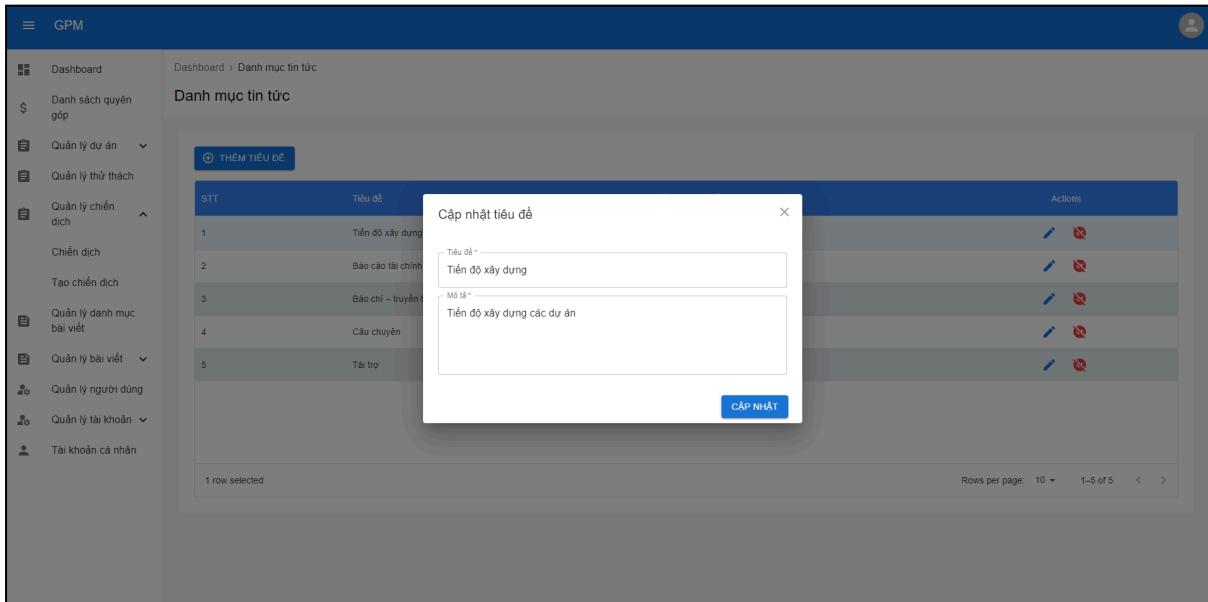


Image 3.41 Category Detail

### c, Screen specifications

Field Name	Field Type	Description
Update title	Pop-up	Field: Title, Description
Title	Text box	Title of category
Description	Text box	Description of category
Cập nhật	Button	Update button, Navigate category list when update successfully

Table 3.35 Category details

#### d, UC Specifications

##### UC-40 Update Category Detail

Primary Actor:	Admin, Project Manager, Social Staff	Secondary Actors:	N/A
Description:	Admin users want to view a list of all tracking's assigned project		
Preconditions:	1. The user is logged into the system with appropriate permissions to update category. 2. The application is connected to the server.		
Postconditions:	The system updated news category information successfully.		
Normal Flow	1. Users access the category list <a href="#">UC-38</a> . 2. Click the “Chi tiết” button next to the news category you want to update. 3. The system displays details of news categories. 4. Change category details. 5. Click “Cập nhật” to update directory information. 6. The system displays a successful update message.		
Alternative Flows:	N/A		
Exception Flows:	N/A		

#### 2.8.3 Create Category

##### a, Description

- Screen display create category.
- Display category information: Title, Description.
- **Button “Tạo” will show only when the user is Admin: BR-49**

## b, Screen layout

The screenshot shows a user interface for managing news categories. On the left is a sidebar with various menu items like 'Dashboard', 'Danh sách quyền gõp', 'Quản lý dự án', etc. The main area shows a table of categories with columns 'STT' and 'Tiêu đề'. A modal window titled 'Thêm tiêu đề mới' (Add new title) is open in the center. It contains fields for 'Tiêu đề\*' and 'Mô tả\*', both of which are currently empty. At the bottom of the modal is a blue 'TAO' button. The background table has 5 rows, with the first row being 'Tiêu đề xây dựng'.

Image 3.42 Create Category

## c, Screen specifications

Field Name	Field Type	Description
Create title	Pop-up	Field: Title, Description
Title	Text box	Title of category
Description	Text box	Description of category
Create	Button	Create button, Navigate category list when create successfully

Table 3.36 Create category

## d, UC Specifications

### UC-41 Create Category

Primary Actor:	Admin	Secondary Actors:	N/A
Description:	Admin users can create a category.		
Preconditions:	1. The user is logged into the system with appropriate permissions to create a category. 2. The application is connected to the server.		

Postconditions:	The new category has been successfully added to the system.
Normal Flow	<ol style="list-style-type: none"> <li>1. Go to the category list page.</li> <li>2. Click the “Thêm danh mục mới” button.</li> <li>3. The system displays a form to enter new category information</li> <li>4. Fill in new category information.</li> <li>5. Press the “Tạo” button.</li> <li>6. The system displays additional successful news categories.</li> </ol>
Alternative Flows:	N/A
Exception Flows:	6a. If the user fills in invalid information, the corresponding message will be displayed.

## 2.9 News Management

### 2.9.1 News List

#### a, Screen Description

- This is the news management screen.
- Allows Admin and SocialStaff roles to access and manage the status of news, role Project Manager only can view.
- Users can filter news by items such as creator, title, category, creation time.
- Display list of news with 4 status: process, published, unpublished, reject
- **Admin role will be allowed to edit all news. BR-50**
- **Admin will approve or reject news written by Social Staff. BR-52**
- **The Social Staff role only allows editing of news they create. BR-50**
- **SocialStaff can only publish or hide their own news after being approved by admin BR-51**

## b, Screen Layout

Tiêu đề	Thể loại	Người viết	Trạng thái	Chỉnh sửa	Hành động
Test tạo bài viết	Tiến độ xây dựng	Lê Thị Diễm Mỹ Ngày tạo: 18/08/2024	Đang hoạt động	Trần Thị Bích Ngọc Lần cuối: 18/08/2024	
Chúc Mừng 04 Em Sỏi Đã Cố Chủ Mới Dự Án Em Sỏi Và Trường Gây Quỹ Thành Công 15.558.888đ	Tài trợ	Hoàng Thế Anh Ngày tạo: 04/08/2024	Đang ẩn	Trần Thị Bích Ngọc Lần cuối: 14/08/2024	
Chia Sẻ Giúp Cầu Xây Nhanh Cầu Số 6 - Trà Vinh	Tài trợ	Hoàng Thế Anh Ngày tạo: 04/08/2024	Đang ẩn	Hoàng Thế Anh Lần cuối: 04/08/2024	
Cầu Số 3 Tại Làng Kon Trang - Kbang - Gia Lai Cần 191 Triệu Cầu Sắt	Tài trợ	Hoàng Thế Anh Ngày tạo: 04/08/2024	Đang ẩn	Hoàng Thế Anh Lần cuối: 04/08/2024	
Dự Án Lắp Năng Lượng Gió Mát Trời Cho Các Điểm Trường Chưa Bảo Giả Có Điện	Tài trợ	Hoàng Thế Anh Ngày tạo: 04/08/2024	Đang ẩn	Hoàng Thế Anh Lần cuối: 04/08/2024	

Rows per page: 5 < 1–5 of 26 >

Image 3.43 News List

## c, Screen Specification

Field Name	Field Type	Description
News Table	Table	List News, Columns: Title, Category, Creator, Update By, Status, Action.
Category	DropList	Filter by category
Creator	DropList	Filter by creator
StartDate	Date	Filter by from created date
EndDate	Date	Filter by end create date
Title	TextField	Filter by title news
Detail button	Button	Navigate to Detail News
Update button	Button	Navigate to Update News
Publish button	Button	Publish News button,
Unpublish button	Button	Publish News button,
Accept button	Button	Accept News button,
Reject button	Button	Reject News button,

Table 3.37 News list

**d, UC Specifications**

**UC-42 View News List**

Primary Actor:	Admin, Social Staff, Project Manager	Secondary Actors:	N/A
Description:	Users want to view a list of all news.		
Preconditions:	1. Users have logged into the system (if not a Guest). 2. There are news articles available in the system. 3. The application is connected to the server.		
Postconditions:	The list of all news is displayed to the user.		
Normal Flow	1. The user accesses the dashboard page <a href="#">UC-24</a> . 2. Users click on "Quản lý bài viết" and click on "Danh sách bài viết". 3. The system displays a list of news.		
Alternative Flows:	N/A		
Exception Flows:	N/A		

**UC-43 Approve News**

Primary Actor:	Admin, Social Staff, Project Manager	Secondary Actors:	N/A
Description:	Users want to view a list of all news.		
Preconditions:	1. Users have logged into the system (if not a Guest). 2. There are news articles available in the system. 3. The application is connected to the server.		
Postconditions:	The list of all news is displayed to the user.		
Normal Flow	1. The user accesses the news list page UC-42. 2. The user clicks the "duyệt tin tức" button.		

	<p><b>3.</b> The system displays a confirmation pop-up.</p> <p><b>4.</b> Clicks the confirmation button.</p> <p><b>5.</b> The system displays a success notification.</p>
Alternative Flows:	N/A
Exception Flows:	N/A

### 2.9.2 News Details/Update

#### a, Description

- Screen display news detail.
- Display news information: Title, short description, content, and thumbnail.
- Only Admin or Social Staff can update this news.
- Role Project Manager only can view.
- **Button “Cập nhật” will show only when the user is Social Staff and is the creator of News or is Admin. BR-50**

#### b, Screen Layout

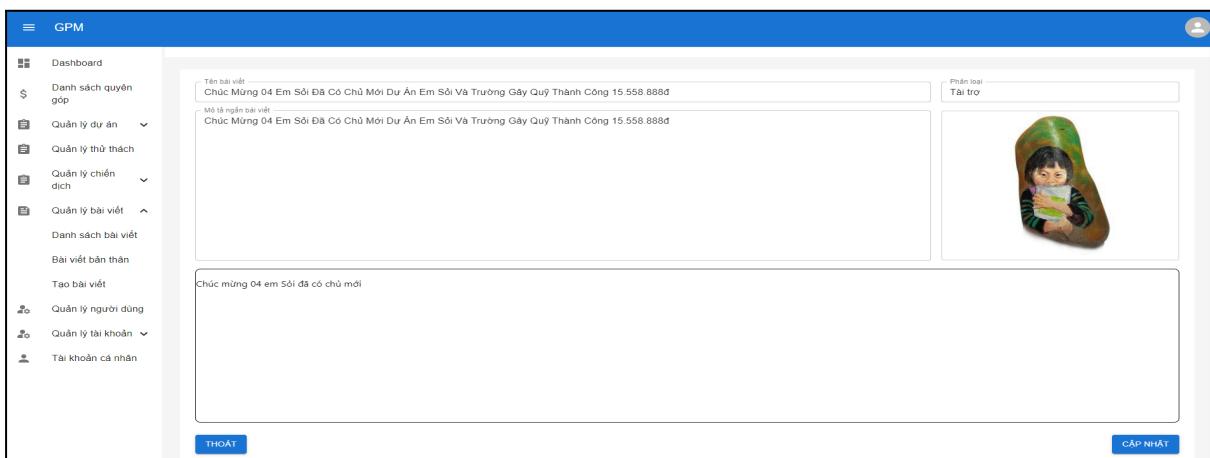


Image 3.44 News Details

#### c, Screen specifications

Field Name	Field Type	Description
Title	TextField	Title of news, required
Short description: text, required	TextField	Short description of news, required

Content: text, required	TextField	Using CKEditor, it is like a mini version of Word. Required
Thumbnail: image	Image	Optional
Cancel button	Button	Cancel button, back to News List Screen
Update button	Button	Allow to update News, <b>BR-47</b>

Table 3.38 News details

#### d, UC Specifications

##### UC-44 View News Detail

Primary Actor:	Admin, Social Staff, Project Manager	Secondary Actors:	N/A
Description:	Users want to view a list of all news.		
Preconditions:	<ol style="list-style-type: none"> <li>1. Users have logged into the system (if not a Guest).</li> <li>2. The news exists in the system.</li> <li>3. The application is connected to the server.</li> </ol>		
Postconditions:	The list of all news is displayed to the user.		
Normal Flow	<ol style="list-style-type: none"> <li>1. The user accesses the news list page UC-42.</li> <li>2. The user clicks the update button.</li> <li>3. The system displays the news details.</li> </ol>		
Alternative Flows:	N/A		
Exception Flows:	N/A		

##### UC-45 Update News

Primary Actor:	Admin, Social Staff	Secondary Actors:	N/A
Description:	Users want to view a list of all news.		

Preconditions:	<ol style="list-style-type: none"> <li><b>1.</b> The user logs into the system with permission to edit the news.</li> <li><b>2.</b> The news exists in the system.</li> <li><b>3.</b> The application is connected to the server.</li> </ol>
Postconditions:	The list of all news is displayed to the user.
Normal Flow	<ol style="list-style-type: none"> <li><b>1.</b> The user accesses the detailed news page UC-44.</li> <li><b>2.</b> The user clicks the update button.</li> <li><b>3.</b> The system displays the news details form.</li> <li><b>4.</b> The user enters the information to be edited.</li> <li><b>5.</b> Click the update button.</li> <li><b>6.</b> The system displays a success notification.</li> </ol>
Alternative Flows:	N/A
Exception Flows:	N/A

### **2.9.3 Create News**

#### **a, Description**

- Screen display creates news form.
  - Only Admin or Social Staff can be accessed
  - Button “Tạo bài viết” will show only when the user is Social Staff and is the creator of News or is Admin. BR-52
  - Admin's news will have the status published when successfully created. SocialStaff's news will be in the process state, and the admin will approve or reject news written by Social Staff.
- BR-52

### b, Screen Layout

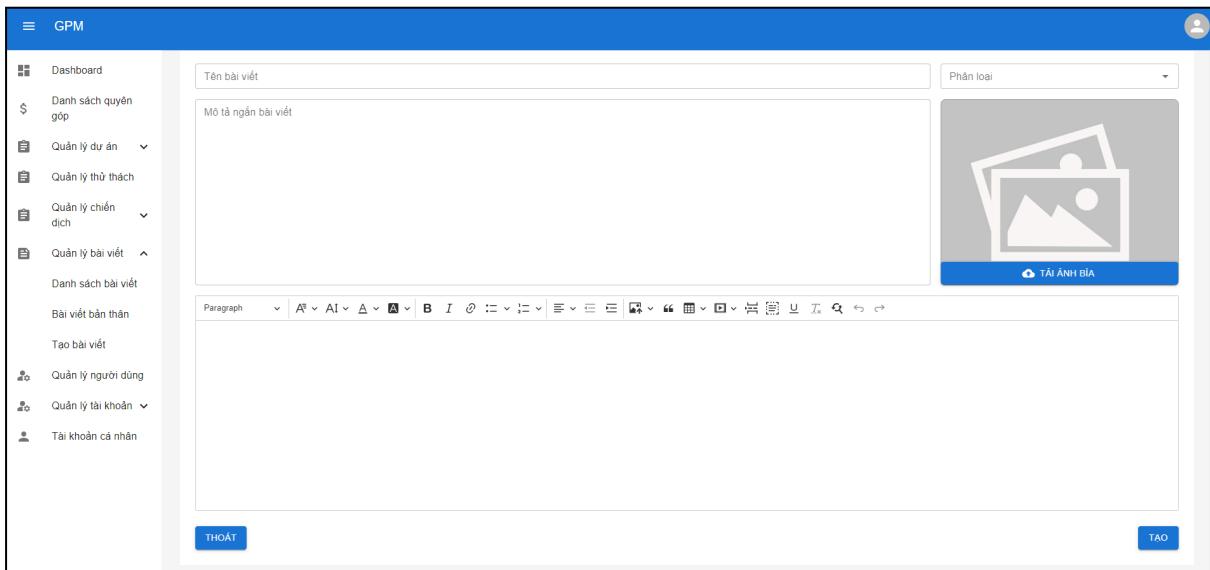


Image 3.45 Create News

### c, Screen specifications

Field Name	Field Type	Description
Title	TextField	Title of news, required
Short description: text, required.	TextField	Short description of news, required
Content	TextField	Required. Using CKEditor, it is like a mini version of Word. Required
Thumbnail: image	Image	Optional
Cancel button	Button	Cancel button, back to News List Screen
Create button	Button	Submit and create News,

Table 3.39 Create news

## d, UC Specifications

### UC-46 Create News

Primary Actor:	Admin, Social Staff	Secondary Actors:	N/A
Description:	Users want to create new news.		
Preconditions:	1. Users have logged into the system with appropriate permissions (Admin, or Social Staff). 2. The application is connected to the server.		
Postconditions:	New news is created and stored in the system.		
Normal Flow	1. The user accesses the news list page <a href="#">UC-42</a> . 2. Users click on the "Bài viết mới" button. 3. Users fill in the required details for the news (e.g., Tên bài viết, nội dung, ảnh). 4. Users click on the "Tạo" button. 5. The application displays a confirmation message to the user indicating the news has been successfully created.		
Alternative Flows:	1a. User accesses the management page. 2a. Users click on the "Tạo bài viết" button on the sidebar. 3a. Users fill in the required details for the news (e.g., Tên bài viết, nội dung, ảnh). 4a. Users click on the "Tạo" button. 5a. The application displays a confirmation message to the user indicating the news has been successfully created.		
Exception Flows:	3a. If the user enters the necessary information incorrectly and presses the "Tạo" button. 4a. The application displays the corresponding error response message.		

## 2.10 Project Management

### 2.10.1 Project List

#### a, Screen Description

- This is the project management screen.
- Allows Admin, Project Manager roles to access and manage projects. **BR-53**

- Users can filter projects by items such as title, year, campaign.
- Display list of projects with 4 status: no sponsor yet, need Donation, under construction, complete.
- Only Admin can change the status of the project
- 

### b, Screen layout

STT	Dự án	Địa chỉ	Tổng chi phí	Cần quyên góp	Đã quyên góp được	Trạng thái	Hành động	
							DANG THI CÔNG	HOÀN THÀNH
1	DA033 - Nhà Hạnh Phúc 129 - Tào A Tường - Bản Nâm Nô 1 - Xã Trung Chải - Huyện Năm Nhùn - Tỉnh Lai Châu Chiến dịch: Góp lè xây nhà Năm: 2024	Tỉnh Lai Châu Huyện Năm Nhùn Xã Trung Chải	294.355.525	214.355.525	0	Đang thi công	<button>CHI TIẾT</button>	
2	DA032 - Nhà Hạnh Phúc 130 - Lò Thị Chem - Bản Nâm Sập - Xã Nậm Pi - Huyện Năm Nhùn - Tỉnh Lai Châu Chiến dịch: Góp lè xây nhà Năm: 2024	Tỉnh Lai Châu Huyện Năm Nhùn Xã Nậm Pi	80.000.000	80.000.000	5.784.000	Cần góp lè	<button>CHI TIẾT</button>	
3	DA031 - Nhà Hạnh Phúc 168 - Y Bich - Thôn Kon Pao Ko La - Xã Đăk Pi - Huyện Đăk Hà - Tỉnh Kon Tum Chiến dịch: Góp lè xây nhà Năm: 2024	Tỉnh Kon Tum Huyện Đăk Hà Xã Đăk Pi	80.000.000	80.000.000	5.420.000	Cần góp lè	<button>CHI TIẾT</button>	
4	DA030 - Ối Thôn 3b - Trường Mẫu Giáo Trà Vinh, Huyện Nam Trà My, Quảng Nam Chiến dịch: Góp lè xây trường Năm: 2024	Tỉnh Quảng Nam Huyện Nam Trà My Xã Trà Vinh	1.285.000.000	1.285.000.000	3.573.000	Cần góp lè	<button>CHI TIẾT</button>	
5	DA029 - Trường Tiểu Học Tả Phìn - Thôn Tả Phìn, Xã Tả Phìn, Huyện Tủa Chùa, Tỉnh Điện Biên Chiến dịch: Góp lè xây trường Năm: 2024	Tỉnh Điện Biên Huyện Tủa Chùa Xã Tả Phìn	340.000.000	340.000.000	3.947.000	Cần góp lè	<button>CHI TIẾT</button>	

Rows per page: 5 < 1-5 of 33 >

Image 3.46 Project List

### c, Screen Specification

Field Name	Field Type	Description
Title	Text box	Title of projects to filter
Year	DropList	Select year to filter
Campaign	DropList	Select campaign to filter
Projects Table	Table	Columns: Id, Title, Address, Total budget, Need donations, Donated, Status, Action.
Filter button	Button	When click will filter with params has been select
Detail button	Button	Detail button, navigate to

		Detail Project Screen
Create Button	Button	Create button, navigate to create Project Screen.

Table 3.40 Project list

#### d, UC Specifications

##### UC-47 View Project List

Primary Actor:	Admin, Project Manager, Social Staff	Secondary Actors:	N/A
Description:	Users want to view a list of all projects		
Preconditions:	1. Users have logged into the system 2. There are project records available in the system. 3. The application is connected to the server.		
Postconditions:	The list of all projects is displayed to the user.		
Normal Flow	1. Users navigate to the dashboard page <a href="#">UC-24</a> . 2. Users click on the "Tất cả dự án" button or tab. 3. The application processes the data and displays the list of projects to the user.		
Alternative Flows:	2a. Users click on the "Tất cả dự án" button or tab. 2a.1. User enters a keyword to the search box. 3a. The application processes the data and displays the list of projects to the user.		
Exception Flows:	N/A		

#### 2.10.2 Project Detail

##### a, Description

- Screen display project detail.
- Display project information: Project code, title, campaign, construction, address, background, thumbnail, file.

- Project Information can be updated only when the user is Admin and Project Manager has been assigned. **BR-53**
- Button “Lưu” will show only when the user is Admin and Project Manager has been assigned **BR-53**.

**b, Screen layout**

### *Image 3.47 Project Detail*

Report 3 (SRS Document)

**c, Screen specification**

Field Name	Field Type	Description
Project Code	Text Field	Code of project, unique
Title	Text Field	Title of project
Campaign	DropList	Campaign of project
Construction	Text field	Has 4 input fields: title, quantity, category, description
Location	DropList, TextField	Has 4 input fields: province, district, ward, detail address
Background	Text field	Using CKEditor, is background of project
Image	Image	Multiple image,
Related file	Files	Multiple related file of project
Save button	Button	Save button

*Table 3.41 Project detail*

**d, UC Specifications**

**UC-48 View Project Detail**

Primary Actor:	Admin, Project Manager, Social Staff	Secondary Actors:	N/A
Description:	Users want to view detailed information about a specific project		
Preconditions:	1. Users have logged into the system 2. The project to be viewed exists in the system. 3. The application is connected to the server.		
Postconditions:	Detailed information about the selected project is displayed to the user		

Normal Flow	<ol style="list-style-type: none"> <li>1. The user accesses the project listing page UC-47.</li> <li>2. Click the “Chi tiết” button next to the project for which the user wants to see details.</li> <li>3. The system will display project details.</li> </ol>
Alternative Flows:	N/A
Exception Flows:	N/A

#### UC-49 Update Project Detail

Primary Actor:	Admin, Project Manager	Secondary Actors:	N/A
Description:	Users want to update the information of an existing project		
Preconditions:	<ol style="list-style-type: none"> <li>1. Users have logged into the system with appropriate permissions (Admin or Project Manager).</li> <li>2. If the user logs in to an account whose role is Project Manager, make sure that account is a member of the project you want to update.</li> <li>3. The project to be updated exists in the system.</li> <li>4. The application is connected to the server.</li> </ol>		
Postconditions:	The information of the selected project is updated and stored in the system.		
Normal Flow	<ol style="list-style-type: none"> <li>1. Users access the project details page they want to edit.</li> <li>2. Enter the project information you want to change.</li> <li>3. Press the “Lưu” button.</li> <li>4. The system will display a success message.</li> </ol>		
Alternative Flows:	N/A		
Exception Flows:	<ol style="list-style-type: none"> <li>2a. If the user enters the wrong data format and presses the "Lưu" button.</li> <li>3a. The system will send the corresponding error message.</li> </ol>		

### 2.10.3 Create Project

#### a, Description

- Screen display creates project form.
- Only Admin can access and create project **BR-55**
- Project when successfully created will have status 1: No sponsor yet. **BR-54**

#### b, Screen layout

The screenshot shows the 'GPM' application interface with a blue header bar. On the left is a sidebar with various project management options like Dashboard, Quyền Góp, and Quản lý dự án. The main area is titled 'Tạo dự án mới' (Create New Project) under 'Dashboard > Danh sách dự án > Tạo dự án mới'. The form is divided into three tabs: 1. Thông tin dự án (Project Information), 2. Chi phí dự kiến (Estimated Costs), and 3. Xác nhận (Confirmation). The 'Thông tin dự án' tab is active, showing fields for 'Tên dự án\*' (Project Name) with 'Dự án góp lẻ' selected, 'Chiến dịch\*' (Campaign) with 'Góp lẻ xây nhà' selected, 'Địa điểm' (Location) with 'Chọn Tỉnh Thành\*' (Select Province/City) set to 'Tỉnh Bà Rịa - Vũng Tàu', 'Chọn Quận Huyện\*' (Select District/County) set to 'Huyện Châu Đức', and 'Chọn Phường Xã\*' (Select Ward/Village) set to 'Xã Bình Ba'; there is also a 'Địa chỉ chi tiết' (Detailed Address) field and a rich text editor; 3. Bối cảnh dự án (Project Context) which is currently empty. Below this is a 'Thông tin xây dựng' (Construction Information) section with fields for 'Tên công trình\*' (Project Name) with 'sdfsadf' entered, 'Số lượng\*' (Quantity) with '1' entered, 'Đơn vị\*' (Unit) with 'nhà' selected, and 'Mô tả\*' (Description) with 'ádfasdfs' entered. A blue 'THÊM' (Add) button is visible. The next section is 'Ảnh dự án' (Project Photos) which shows three placeholder image boxes with a 'Tải vào đây để tải ảnh' (Upload here) button. The final section is 'Các tài liệu liên quan' (Related Documents) with a 'TẢI CÁC TÀI LIỆU LIÊN QUAN' (Upload Related Documents) button. At the bottom are 'THOAT' (Logout) and 'TIẾP TỤC' (Continue) buttons.

Image 3.48 Create Project- step 1

c, Screen specification

Field Name	Field Type	Description
Project Code	Text Field	Code of project, unique
Title	Text Field	Title of project
Campaign	DropList	Campaign of project
Construction	Text field	Has 4 input fields: title, quantity, category, description
Location	DropList, TextField	Has 4 input fields: province, district, ward, detail address
Background	Text field	Using CKEditor, is background of project
Image	Image	Multiple image,
Related file	Files	Multiple related file of project
Cancel button	Button	Back to List Project
Next button	Button	Move to next step

Table 3.42 Create project step 1

The screenshot shows a web-based application for creating a new project. At the top, there's a breadcrumb navigation: Dashboard > Danh sách dự án > Tạo dự án mới. Below this, the page title is 'Tạo dự án mới'. The main content area is divided into several sections:

- Thông tin dự án**: Contains fields for 'Tên khoản tiền \*', 'Số tiền \*', and 'Mô tả'.
- Chi phí dự kiến**: Contains three rows of fields for 'Tên khoản tiền \*', 'Số tiền \*', and 'Mô tả'.
- Xác nhận**: A section with a blue button labeled 'TIẾP TỤC' (Next) and a red 'X' icon.
- CHI PHÍ DỰ KIẾN**: A bold heading above the third row of expense fields.
- Buttons**: A blue button labeled 'THÊM CHI PHÍ' (Add Expense) and a blue button labeled 'TIẾP TỤC' (Next).
- Summary**: A message 'Tổng chi phí: 0 VND' (Total cost: 0 VND).
- Navigation**: Buttons for 'TRỞ LẠI' (Back) and 'TIẾP TỤC' (Next).

Image 3.50 Create Project - step 2

Field Name	Field Type	Description
Budget name	Text Field	Name of budget
Value	Number	Value
Description	Text Field	Description
Add row button	Button	Add 1 more row to input
Delete row button	Button	Delete 1 row
Back button	Button	Move to previous step
Next button	Button	Move to next step

Table 3.43 Create project step 2

The screenshot shows the 'Tạo dự án mới' (Create New Project) page in the GPM application. The left sidebar contains a navigation menu with categories like Dashboard, Quản lý dự án (Project Management), Quản lý thử thách (Challenge Management), etc. The main form has the following fields:

- Thông tin dự án**: Includes fields for 'Tên dự án' (Project Name) and 'Dự án góp ý' (Feedback Project).
- Chỉ phí dự kiến**: Shows a total budget of '10.000'.
- Xác nhận thông tin**: A confirmation section with fields for 'Tên chiến dịch' (Campaign Name) and 'Góp ý xây nhà' (Build House Suggestion).
- Bối cảnh dự án**: A large text area for project context.
- Tổng chi phí dự kiến**: A summary budget field.
- Ảnh dự án**: An image upload field showing a message 'Không có hình ảnh' (No image).

At the bottom are two buttons: 'TRỞ LẠI' (Back) and 'TAO MỚI' (Create New).

Image 3.46 Create Project - Step 3: Check again

Field Name	Field Type	Description
Project Code	Text Field	Code of project, unique
Title	Text Field	Title of project
Campaign	DropList	Campaign of project
Background	Text field	Using CKEditor, is background of project
Image	Image	Multiple image,
Back button	Button	Move to previous step
Submit button	Button	Submit form to create project

Table 3.44 Create project step 3

#### d, UC Specifications

##### UC-50 Create Project

Primary Actor:	Admin	Secondary Actors:	N/A
Description:	Users want to create a new project		
Preconditions:	1. Users have logged into the system with appropriate permissions. 2. The application is connected to the server.		
Postconditions:	A new project is created and stored in the system.		
Normal Flow	1. The user accesses the project list page <a href="#">UC-48</a> . 2. Users click on the "Tạo dự án mới" button. 3. Users fill in the required details for the new project (e.g., Tên dự án, Chiến dịch,). 4. Users click on the "Tạo" button.		

	5. The system displays a success message and returns to the project list page.
Alternative Flows:	<p>2a. The user clicks the "Tạo dự án" button on the sidebar.</p> <p>3a. Users fill in the required details for the new project (e.g., Tên dự án, Chiến dịch,).</p> <p>4a. Users click on the "Tạo" button.</p> <p>5a. The system displays a success message and returns to the project list page.</p>
Exception Flows:	<p>3a. User enters project information incorrectly and presses "Tạo" button.</p> <p>4a. The system will display the corresponding error message.</p>

## 2.11 Budget Management

### 2.11.1 Budget List

#### a, Screen Description

- This is the budget management screen
- Allows staff role access to views the budget of project
- Admin roles will be allowed to edit all budgets.
- The Project Manager role only allows editing of budget in projects they are assigned. **BR-53**
- Users can filter budget by title of budget.

#### b, Screen layout

STT	Tên Chi Phí	Số tiền (VND)	Thông Tin Chi Phí	Actions
1	Mua nguyên vật liệu	1.000.000.000	Mua nguyên vật liệu	<span>CHI TIẾT</span> <span>XÓA</span>
2	Hỗ trợ chi phí đi lại	2.000.000	Hỗ trợ tiền xe	<span>CHI TIẾT</span> <span>XÓA</span>

Image 3.51 Budget List

#### c, Screen Specification

Field Name	Field Type	Description
Table Budgets	Table	List of budget, has columns: Id, Title, Unit Price, Description, Action.
Create button	button	Button show create form of budget
Title search	Text field	Title to search budget
Detail button	Button	Button show modal detail of budget
Delete button	Button	Button to delete budget

Table 3.45 Budget list

#### d, UC Specifications

##### UC-51 View list budget

Primary Actor:	Admin, Project Manager, Social Staff	Secondary Actors:	N/A
Description:	Users want to view a list of all budgets		
Preconditions:	1. Users have logged into the system with appropriate permissions. 2. There are budget records available in the system. 3. The application is connected to the server.		
Postconditions:	The list of all budgets is displayed to the user		
Normal Flow	1. The user accesses the project details page. 2. Users click on the “Ngân sách” tab. 3. The application processes the data and displays the list of budgets to the user.		
Alternative Flows:	N/A		
Exception Flows:	N/A		

## UC-32 Delete Budget

Primary Actor:	Admin, Project Manager	Secondary Actors:	N/A
Description:	Users want to delete a budget associated with a specific project		
Preconditions:	1. Users have logged into the system with appropriate permissions. 2. The account with the Project Manager role must be in the member list in that project. 3. The project exists in the system. 4. The client-side application is connected to the server.		
Postconditions:	The selected budget is deleted from the system.		
Normal Flow	1. Users access the project's budget list page. 2. Click the "Xóa" button next to the budget you want to delete. 3. The system displays a pop-up confirming deletion. 4. Press the “Xác nhận” button to confirm deleting the budget. 5. The application displays a confirmation message to the user indicating the budget has been successfully deleted.		
Alternative Flows:	4a. Press the “Hủy” button to confirm not deleting the budget. 5a. The system will return to the budget list page.		
Exception Flows:	N/A		

### 2.11.2 Budget Detail/Update

#### a, Description

- Screen display budget detail.
- Display budget information: Title, Unit Price, Description.  
Every staffs role can access and view the detail of budget
- Button “Cập nhật” will show only when the user is Project Manager who is assigned in the project or is Admin. **BR-53**

## b. Screen layout

Image 3.52 Budget Detail

## c. Screen specifications

Field Name	Field Type	Description
Update budget	Pop-up	Field: Title, Amount, Description
Title	Text box	Title of budget
Amount	Number	Amount of budget
Description	Text box	Description of budget
Update	Button	Save changed information

Table 3.46 Budget details

## d. UC Specifications

UC-53 View Detail Budget

Primary Actor:	Admin, Project Manager	Secondary Actors:	N/A
Description:	Users want to view detail the budget of a specific project		

Preconditions:	<ol style="list-style-type: none"> <li>1. Users have logged into the system with appropriate permissions.</li> <li>2. The project exists in the system.</li> <li>3. The client-side application is connected to the server.</li> </ol>
Postconditions:	The budget of the selected project is updated and stored in the system.
Normal Flow	<ol style="list-style-type: none"> <li>1. The user accesses the budget list page <a href="#">UC-51</a>.</li> <li>2. Click the “Chi tiết” button next to the budget you want to view.</li> <li>3. The system displays detailed information of the budget.</li> </ol>
Alternative Flows:	N/A
Exception Flows:	N/A

#### UC-54 Update Budget

Primary Actor:	Admin, Project Manager	Secondary Actors:	N/A
Description:	Users want to update the budget of a specific project		
Preconditions:	<ol style="list-style-type: none"> <li>1. Users have logged into the system with appropriate permissions.</li> <li>2. The account with the Project Manager role must be in the member list in that project.</li> <li>3. The project exists in the system.</li> <li>4. The client-side application is connected to the server.</li> </ol>		
Postconditions:	The budget of the selected project is updated and stored in the system.		
Normal Flow	<ol style="list-style-type: none"> <li>1. The user accesses the budget list page.</li> <li>2. Click the “Chi tiết” button next to the budget you want to update.</li> <li>3. The system displays detailed information of the budget.</li> <li>4. Users change budget information.</li> <li>5. Click the “Cập nhật” button.</li> </ol>		

	6. The application displays a confirmation message to the user indicating the budget has been successfully updated.
Alternative Flows:	5a. Người dùng ấn vào bên ngoài khu vực điều dữ liệu cập nhật. 6a. Hủy lệnh cập nhật và quay trở về trang danh sách budgets.
Exception Flows:	4a. The user changed the wrong format of budget information. 5a. Click the “Cập nhật” button. 6a. The system displays the corresponding error message.

### 2.11.3 Create Budget

#### a, Description

- Screen display creates a budget form.
- Only admin or project manager is a member of project can add budget BR-53

#### b, Screen layout

Image 3.53 Create Budget

#### c, Screen specifications

Field Name	Field Type	Description
Budget name	Text Field	Name of budget
Value	Number	Value

Description	Text Field	Description
Add row button	Button	Add 1 more row to input
Delete row button	Button	Delete 1 row
Submit button	Button	Submit form to create budget

Table 3.47 Create budget

#### d, UC Specifications

##### UC-55 CreateBudget

Primary Actor:	Admin, Project Manager	Secondary Actors:	N/A
Description:	Users want to create a budget for a specific project		
Preconditions:	1. Users have logged into the system with appropriate permissions. 2. The account with the Project Manager role must be in the member list in that project. 3. The project exists in the system. 4. The client-side application is connected to the server.		
Postconditions:	A new budget is created and associated with the selected project in the system.		
Normal Flow	1. The user accesses the budget list page. 3. Users click on the "Tạo mới" button. 4. Users fill in the required details for the budget (e.g., budget amount, description, ...). 5. Users click on the "Tạo chi phí" button. 6. The client-side application displays a confirmation message to the user indicating the budget has been successfully created.		
Alternative Flows:	4a. Users fill in the required details for the budget (e.g., budget amount, description, ...).		

	<p>4a.1. The user presses the "Thêm" button.</p> <p>4a.2. The system displays additional boxes to add budget.</p> <p>5a. Users click on the "Tạo chi phí" button.</p> <p>6a. The client-side application displays a confirmation message to the user indicating the budget has been successfully created.</p>
Exception Flows:	<p>4a. If the user enters the wrong format and presses the "Tạo chi phí" button.</p> <p>5a. The system will display the corresponding error message.</p>

## 2.12 Expense Management

### 2.12.1 Expense List

#### a, Screen Description

- This is the expense management screen
- Allows Admin ,Project Manager,Social Staff roles to access and view expenses
- Admin roles will be allowed to edit all expenses. The Project Manager role only allows editing of expenses in projects they are assigned. **BR-53**
- Button Create will show only if user is Admin or Project Manager has been assigned
- Users can filter expenses by title of expense

#### b, Screen Layout

STT	Tên chi phí	Giá trị	Ngày Tạo	Actions
1	Thanh toán khoản 1	10.000.000	21/08/2024 03:55:51	<span>CHI TIẾT</span> <span>XÓA</span>

Image 3.54 Expense List

#### c, Screen Specification

Field Name	Field Type	Description

Table Expense	Table	List of expenses, has columns: Title, UnitPrice ,Created At, Action
Create button	button	Button show create form of expense,
Title search	Text field	Title to search expense
Detail button	Button	Button show modal detail of expense
Delete button	Button	Button to delete expense

Table 3.48 Expense list

#### d, UC Specifications

##### UC-56 View List Expense

Primary Actor:	Admin, Project Manager, Social Staff	Secondary Actors:	N/A
Description:	Admin users want to view a list of all expense records in the system.		
Preconditions:	1. The user is logged into the system with appropriate permissions to view expenses. 2. Expense records are available in the system. 3. Connected to the server.		
Postconditions:	The system displays a list of expense records to the user.		
Normal Flow	1. The user accesses the project details page. 2. Users click on the "Chi phí" tab. 3. The system will display a list of project expenses.		
Alternative Flows:	N/A		
Exception Flows:	N/A		

### UC-57 Delete Expense

Primary Actor:	Admin, Project Manager	Secondary Actors:	N/A
Description:	Admin users want to delete an existing expense record from the system.		
Preconditions:	1. Users have logged into the system with appropriate permissions. 2. The account with the Project Manager role must be in the member list in that project. 3. The project exists in the system. 4. The client-side application is connected to the server.		
Postconditions:	The selected expense record is permanently deleted from the system.		
Normal Flow	1. The user accesses the expense list page. 2. Click the "Xóa" button next to the expense the user wants to delete. 3. The system will display a confirmation pop-up. 4. Press the "Xóa" button to confirm deletion of that expense. 5. The system displays a successful update message and returns to the expense list page.		
Alternative Flows:	4a. Press the "Hủy" button to confirm cancelling and deleting that expense. 5a. The system returns to the expense list page.		
Exception Flows:	N/A		

#### 2.12.2 Expense Details

##### a, Description

- Screen display expenses detail
- Display expense information: Title, Unit Price, File.
- Only Admin or Project Manager can update expenses.
- Role Social Staff only can be viewed.
- Button “Cập nhật” will show only when the user is Project Manager who is assigned in the project or is Admin. **BR-53**

## b, Screen Layout

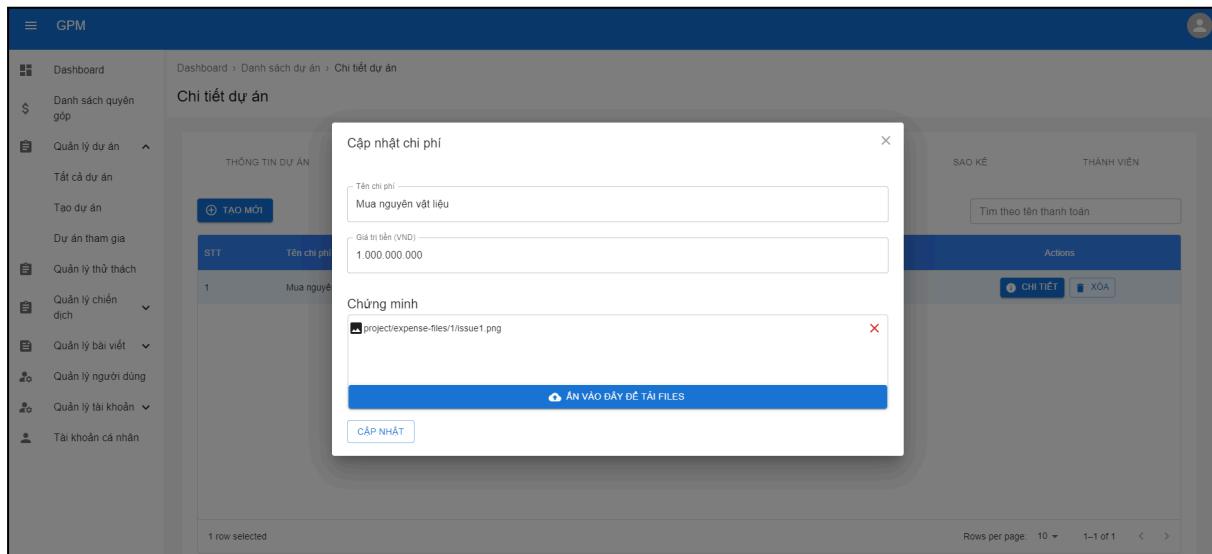


Image 3.55 Expense details

## c, Screen specifications

Field Name	Field Type	Description
Title	TextField	Title of expenses, required
Unit Price	Number	Unit price of expenses, required
File	File	Optional
Update button	Button	Submit and update expense <b>BR-51.</b>

Table 3.49 Expense details

## d, UC Specifications

UC-58 View Detail Expense

Primary Actor:	Admin. Project Manager, Social Staff	Secondary Actors:	N/A
Description:	Users want to update expense		
Preconditions:	1. Users have logged into the system with appropriate permissions.		

	<p>2. The project exists in the system.</p> <p>3. The client-side application is connected to the server.</p>
Postconditions:	The system displays detailed information about the costs.
Normal Flow	<p>1. The user accesses the expense list page.</p> <p>2. Click the "Chi tiết" button next to the expense that the user wants to update.</p> <p>3. The system will display a modal containing expense data.</p>
Alternative Flows:	N/A
Exception Flows:	N/A

#### UC-59 Update expense

Primary Actor:	Admin, Project Manager	Secondary Actors:	N/A
Description:	Users want to update expense		
Preconditions:	<p>1. Users have logged into the system with appropriate permissions.</p> <p>2. The account with the Project Manager role must be in the member list in that project.</p> <p>3. The project exists in the system.</p> <p>4. The client-side application is connected to the server.</p>		
Postconditions:	The selected expense record is updated with the new data and saved in the system.		
Normal Flow	<p><b>1.</b> Access the expense detail screen UC-58.</p> <p><b>2.</b> Change the information.</p> <p><b>3.</b> Click the "Cập nhật" button to update the information.</p> <p><b>4.</b> The system displays a successful update message and returns to the expense list page.</p>		

Alternative Flows:	N/A
Exception Flows:	4a. If the updated content is in the wrong format, the system displays the corresponding messages.

### 2.12.3 Create Expense

#### a, Description

- Screen display create expense form
- Only Admin or Project Manager can be accessed.
- Button “Tạo Chi Phí” will show only when the user is Project Manager who is assigned in the project or is Admin. **BR-53**

#### b, Screen Layout

Image 3.56 Create Expense

#### c, Screen specifications

Field Name	Field Type	Description
Title	TextField	Title of expenses, required
Unit Price	Number	Unit price of expenses, required
File	File	Optional
Create button	Button	Allow to update Expense, <b>BR-51</b>

Table 3.50 Create expense

#### d, UC Specifications

##### UC-60 Create Expense

Primary Actor:	Admin, Project Manager	Secondary Actors:	N/A
Description:	Users want to create a payment record for a specific project		
Preconditions:	<ol style="list-style-type: none"><li>1. Users have logged into the system with appropriate permissions.</li><li>2. The account with the Project Manager role must be in the member list in that project.</li><li>3. The project exists in the system.</li><li>4. The client-side application is connected to the server.</li></ol>		
Postconditions:	A new payment record is created and associated with the selected project in the system.		
Normal Flow	<ol style="list-style-type: none"><li>1. The user accesses the expense list page <a href="#">UC-56</a>.</li><li>3. Users click on the "Tạo mới" button.</li><li>4. Users fill in the required details.</li><li>5. Users click on the "Tạo chi phí dự án" button.</li><li>6. The system displays a success message and returns to the expense list page.</li></ol>		
Alternative Flows:	N/A		
Exception Flows:	N/A		

#### 2.13 Tracking Management

##### 2.13.1 Project Tracking List

###### a, Screen Description

- This is the tracking management screen
- Allows Admin ,Project Manager,Social Staff roles to access and view tracking
- Admin roles will be allowed to edit all trackings. The Project Manager role only allows editing of trackings in projects they are assigned. **BR-53**
- Button Create will show only if user is Admin or Project Manager has been assigned **BR-53**
- Users can filter trackings by title of tracking

## b, Screen Layout

Image 3.57 Project Tracking List

## c, Screen Specification

Field Name	Field Type	Description
Table Tracking	Table	List of trackings, has columns: Title, Content ,Created At, Action
Create button	Button	Button show create form of tracking,
Title search	Text field	Title to search tracking
Detail button	Button	Button show modal detail of tracking
Delete button	Button	Button to delete tracking

Table 3.51 Project tracking list

## d, UC Specifications

### UC-61 View List Tracking

Primary Actor:	Admin, Project Manager, Social Staff	Secondary Actors:	N/A
Description:	Admin users want to view a list of all expense records in the system.		

Preconditions:	<ol style="list-style-type: none"> <li>1. The user is logged into the system with appropriate permissions to view expenses.</li> <li>2. Expense records are available in the system.</li> <li>3. Connected to the server.</li> </ol>
Postconditions:	The system displays a list of expense records to the user.
Normal Flow	<ol style="list-style-type: none"> <li>1. The user accesses the project details page.</li> <li>2. Users click on the "Tiến độ" tab.</li> <li>3. The system will display a list of project expenses.</li> </ol>
Alternative Flows:	N/A
Exception Flows:	N/A

#### UC-62 Delete Tracking

Primary Actor:	Admin, Project Manager	Secondary Actors:	N/A
Description:	Users want to delete an existing process tracking record for a project		
Preconditions:	<ol style="list-style-type: none"> <li>1. Users have logged into the system with appropriate permissions.</li> <li>2. The account with the Project Manager role must be in the member list in that project.</li> <li>3. The project exists in the system.</li> <li>4. The client-side application is connected to the server.</li> </ol>		
Postconditions:	The selected process tracking record is deleted from the system.		
Normal Flow	<ol style="list-style-type: none"> <li>1. Go to the tracking list page.</li> <li>2. Press the “Xóa” button next to the tracking you want to delete.</li> <li>3. The system displays a pop-up confirming deletion.</li> <li>4. Press the “Xóa” button to confirm deletion.</li> <li>5. The system displays a message of successful deletion.</li> </ol>		

Alternative Flows:	4a. Press the “Hủy” button to cancel the deletion operation. 5a. The system returns to the tracking list page.
Exception Flows:	N/A

### 2.13.2 Project Tracking Detail

#### a, Description

- Screen display trackings detail
- Display tracking information: Title, Content, Date, Images
- Only Admin or Project Manager can update trackings.
- Role Social Staff only can be viewed.
- Button “Cập nhật” will show only when the user is Project Manager who is assigned in the project or is Admin.

#### b, Screen Layout

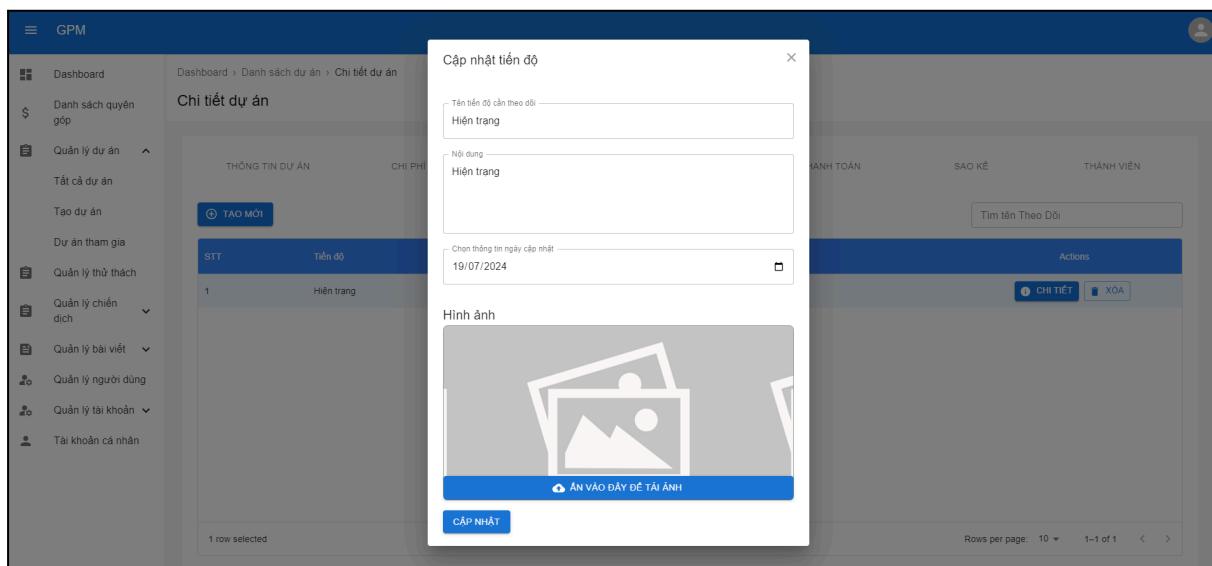


Image 3.58 Project Tracking Detail

#### c, Screen specifications

Field Name	Field Type	Description
Title	TextField	Title of trackings, required
Content	TextField	Content of trackings, required
Date	Date	Date of trackings, required

Images	Image	Optional
Update button	Button	Allow to update Tracking, <b>BR-51</b>

Table 3.52 Project tracking details

#### d, UC Specifications

##### UC-63 View Tracking Detail

Primary Actor:	Admin, Project Manager, Social Staff	Secondary Actors:	N/A
Description:	Users want to view the process tracking records for a specific project		
Preconditions:	1. Users have logged into the system with appropriate permissions. 2. The project exists in the system. 3. The application is connected to the server.		
Postconditions:	The process tracking records for the selected project are displayed to the user on the client side.		
Normal Flow	1. The user accesses the project details page. 2. Users click on the "Tiến độ" tab. 3. The system will display a list of project tracking.		
Alternative Flows:	N/A		
Exception Flows:	N/A		

##### UC-64 Update Tracking Detai

Primary Actor:	Admin, Project Manager	Secondary Actors:	N/A
Description:	Users want to update an existing process tracking record for a project		
Preconditions:	1. Users have logged into the system with appropriate permissions.		

	<p>2. The project and process tracking record exist in the system.</p> <p>3. The application is connected to the server.</p>
Postconditions:	The selected process tracking record is updated and stored in the system.
Normal Flow	<p>1. The user accesses the project's tracking list.</p> <p>2. Click the “Chi tiết” button next to the tracking you want to update.</p> <p>3. The system displays tracking details.</p> <p>4. Enter the information to be edited.</p> <p>5. Click the “Cập nhật” button.</p> <p>6. The system displays a successful update message.</p>
Alternative Flows:	<p>5a. The user clicks outside the area to fill in updated data.</p> <p>6a. Cancel the update and return to the sponsor list page.</p>
Exception Flows:	N/A

### **2.13.3 Create Project Tracking**

#### **a, Description**

- Screen display create tracking form
- Only Admin or Project Manager can be accessed.
- Button “Tạo Tiến Độ” will show only when the user is Project Manager who is assigned in the project or is Admin.

#### **b, Screen Layout**

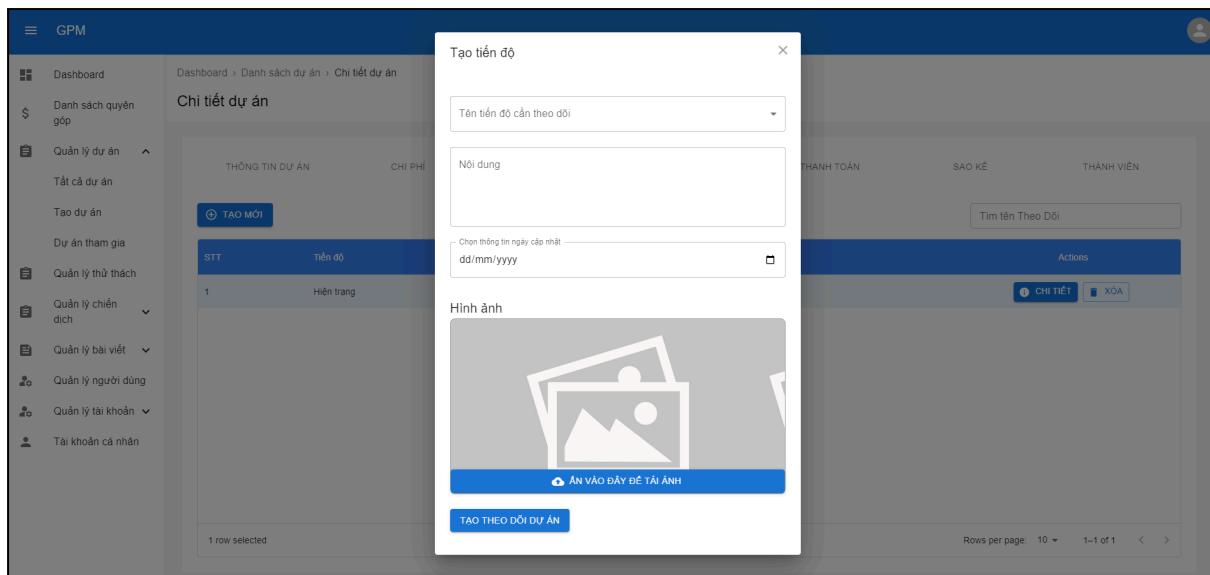


Image 3.59 Create Project Tracking

### c, Screen specifications

Field Name	Field Type	Description
Title	TextField	Title of trackings, required
Content	TextField	Content of trackings, required
Date	date	Date of trackings, required
Images	image	Optional
Create button	Button	Submit and create tracking

Table 3.53 Create project tracking

### d, UC Specifications

UC-65 Create Tracking

Primary Actor:	Admin, Project Manager	Secondary Actors:	N/A
Description:	Users want to create a new process tracking record for a project		

Preconditions:	<ol style="list-style-type: none"> <li>1. Users have logged into the system with appropriate permissions.</li> <li>2. The account with the Project Manager role must be in the member list in that project.</li> <li>3. The project exists in the system.</li> <li>4. The client-side application is connected to the server.</li> </ol>
Postconditions:	A new process tracking record is created and associated with the selected project in the system.
Normal Flow	<ol style="list-style-type: none"> <li>1. The user accesses the tracking list page.</li> <li>3. Users click on the "Tạo mới" button.</li> <li>4. Users fill in the required details.</li> <li>5. Users click on the "Tạo theo dõi dự án" button.</li> <li>6. The system displays a success message and returns to the tracking list page.</li> </ol>
Alternative Flows:	2a. If the project does not exist, the client-side application displays a message "No rows".
Exception Flows:	N/A

## 2.14 Sponsor Management

### 2.14.1 Sponsor List

#### a, Description

- This is the sponsor management screen
- Allows Admin, Project Manager, Social Staff roles to access and view list sponsors
- Admin roles will be allowed to edit all sponsors
- The Project Manager role only allows editing of sponsors in projects they are assigned.
- Users can filter sponsor by company name of sponsor

#### b, Screen Layout

Image 3.60 Sponsor List

### c, Screen Specification

Field Name	Field Type	Description
Table Sponsor	Table	List of sponsors, has columns: Company Name, Representative ,Representative Email,Value,Created At, Action
Create button	button	Button show create form of sponsor,
Title search	Text field	Title to search sponsor
Detail button	Button	Button show modal detail of sponsor

Table 3.54 Sponsor list

### d, UC Specifications

#### UC-66 View Sponsor List

Primary Actor:	Admin, Project Manager, Social Staff	Secondary Actors:	N/A
Description:	Users want to view a list of all sponsors		

Preconditions:	<ol style="list-style-type: none"> <li>1. Users have logged into the system with appropriate permissions.</li> <li>2. The project exists in the system.</li> <li>3. The client-side application is connected to the server.</li> </ol>
Postconditions:	The list of all sponsors is displayed to the user
Normal Flow	<ol style="list-style-type: none"> <li>1. The user accesses the project details page.</li> <li>2. Users click on the "Tài trợ" tab.</li> <li>3. The system will display a list of project sponsors.</li> </ol>
Alternative Flows:	N/A
Exception Flows:	N/A

## 2.14.2 Sponsor Details

### a, Description

- Screen display sponsor detail.
- Display sponsor information: Company Name, Business Field , Representative , Representative Email, Value, Created At, Contract.
- Only Admin or Project Manager can update sponsors.
- Role Social Staff only can be viewed.
- Button “Cập nhật” will show only when the user is Project Manager who is assigned in the project or is Admin.

## b, Screen Layout

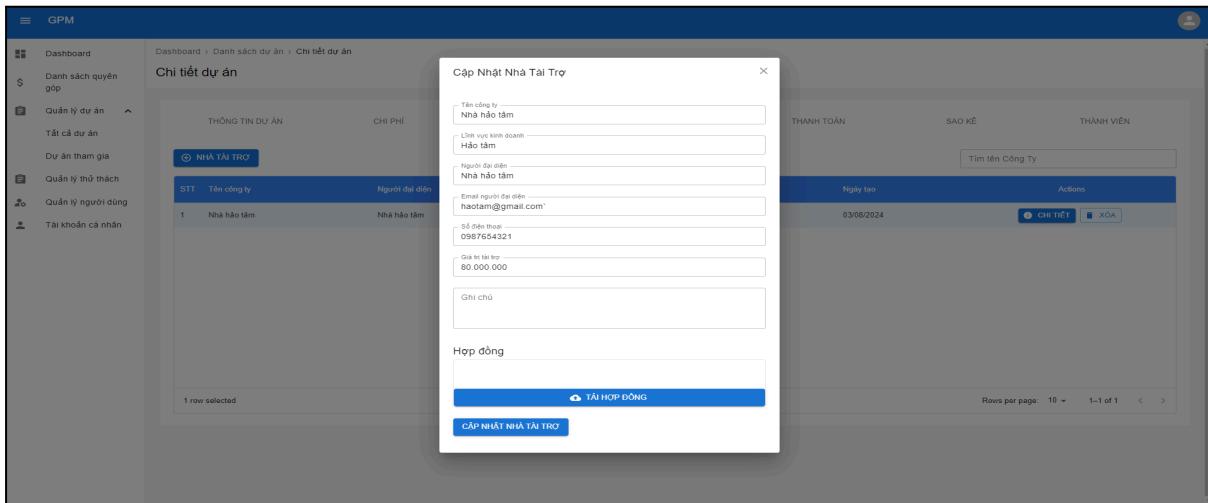


Image 3.61 Sponsor Details

## c, Screen specifications

Field Name	Field Type	Description
Company Name	TextField	Company Name of sponsor, required
Business Field	TextField	Business Field of sponsors, optional
Representative	TextField	Representative of sponsors, required
Representative Email	TextField	Representative Email of sponsors, required
Phone Number	Number	Phone Number of sponsors, required
Value	Number	Value of sponsors, required
Note	TextField	Optional
Contract	File	Contract of sponsors, optional
Update button	Button	Allow to update Tracking, <b>BR-51</b>

Table 3.55 Sponsor details

#### d, UC Specifications

##### UC-67 Update Sponsor

Primary Actor:	Admin, Project Manager	Secondary Actors:	N/A
Description:	Users want to update the information of an existing sponsor		
Preconditions:	<ol style="list-style-type: none"><li>1. Users have logged into the system with appropriate permissions.</li><li>2. The account with the Project Manager role must be in the member list in that project.</li><li>3. The project exists in the system.</li><li>4. The client-side application is connected to the server.</li></ol>		
Postconditions:	The information of the selected sponsor is updated and stored in the system.		
Normal Flow	<ol style="list-style-type: none"><li>1. The user accesses the sponsor list page.</li><li>2. Click the "Chi tiết" button next to the sponsor you want to update.</li><li>3. The system displays sponsor details.</li><li>4. Enter the information to be edited.</li><li>5. Click the “Cập nhật” button.</li><li>6. The system displays a successful update message.</li></ol>		
Alternative Flows:	<ol style="list-style-type: none"><li>5a. The user clicks outside the area to fill in updated data.</li><li>6a. Cancel the update and return to the sponsor list page.</li></ol>		
Exception Flows:	<ol style="list-style-type: none"><li>6a. If the user enters invalid data, the system will display the corresponding error message.</li></ol>		

#### 2.14.3 Create Sponsor

##### a, Description

- Screen display creates sponsor form.
- Only Admin or Project Manager can be accessed.
- Button “Nhà Tài Trợ” will show only when the user is Project Manager who is assigned in the project or is Admin.

### b, Screen Layout

The screenshot shows the GPM application's interface for managing projects. On the left, there is a sidebar with various project management options like 'Dashboard', 'Danh sách quyền góp', 'Quản lý dự án' (selected), 'Tất cả dự án', 'Tạo dự án', 'Dự án tham gia', 'Quản lý thử thách', 'Quản lý chiến dịch', 'Quản lý bài viết', 'Quản lý người dùng', 'Quản lý tài khoản', and 'Tài khoản cá nhân'. The main area is titled 'Chi tiết dự án' (Project Details) and shows a table of sponsors. A modal window titled 'Thêm Nhà Tài Trợ' (Add Sponsor) is open, prompting for company details. The table in the background has columns for STT, Tên công ty, Người đại diện, Số điện thoại, Giá trị tài trợ, and Ghép đồng.

Image 3.62 Create Sponsor

### c, Screen specifications

Field Name	Field Type	Description
Company Name	TextField	Company Name of sponsor, required
Business Field	TextField	Business Field of sponsors, optional
Representative	TextField	Representative of sponsors, required
Representative Email	TextField	Representative Email of sponsors, required
Phone Number	Number	Phone Number of sponsors, required
Value	Number	Value of sponsors, required
Note	TextField	optional
Contract	File	Contract of sponsors, Optional
Create button	Button	Submit and create Sponsors, BR-51

Table 3.56 Create sponsor

#### d, UC Specifications

##### UC-68 Create Sponsor

Primary Actor:	Admin, Project Manager	Secondary Actors:	N/A
Description:	Users want to create a new sponsor record		
Preconditions:	<ol style="list-style-type: none"><li>1. Users have logged into the system with appropriate permissions.</li><li>2. The account with the Project Manager role must be in the member list in that project.</li><li>3. The project exists in the system.</li><li>4. The client-side application is connected to the server.</li></ol>		
Postconditions:	A new sponsor record is created and stored in the system.		
Normal Flow	<ol style="list-style-type: none"><li>1. The user accesses the sponsor list page.</li><li>3. Users click on the "Nhà tài trợ" button.</li><li>4. Users fill in the required details.</li><li>5. Users click on the "Thêm nhà tài trợ" button.</li><li>6. The system displays a success message and returns to the sponsor list page.</li></ol>		
Alternative Flows:	N/A		
Exception Flows:	6a. If the user fills in invalid data, the system will display the corresponding error message.		

## 2.15 Member Management

### 2.15.1 Member List

#### a, Screen Description

- This is the member management screen.
- Allows Admin and Project Manager, Social Staff roles to access and view list members.
- Only Admin roles will be allowed to add or remove members.
- Users can filter members by email.

## b, Screen Layout

Image 3.63 Member List

## c, Screen Specification

Field Name	Field Type	Description
Table Members	Table	List of members, has columns: Email, FullName ,Phone Number, Dob, Action.
Create button	Button	Button show a form of members to add member,
Email search	Text field	Email to search member
Delete button	Button	Button to remove member

Table 3.57 Member list

## d, UC Specifications

UC-69 View List Member

Primary Actor:	Admin, Project Manager, Social Staff	Secondary Actors:	N/A
Description:	Admin can view detailed information about a specific member assigned to a project.		

Preconditions:	<ol style="list-style-type: none"> <li>1. The user is logged into the system with appropriate permissions to view member details.</li> <li>2. The project exists in the system and has assigned members.</li> </ol>
Postconditions:	The system displays detailed information about the selected member within the context of the project.
Normal Flow	<ol style="list-style-type: none"> <li>1. Users access the project details page.</li> <li>2. Click on the “Thành viên” tab.</li> <li>3. The system displays a list of members in the project.</li> </ol>
Alternative Flows:	N/A
Exception Flows:	N/A

#### UC-70 Delete Member

Primary Actor:	Admin	Secondary Actors:	N/A
Description:	Admin can remove a member from a specific project.		
Preconditions:	<ol style="list-style-type: none"> <li>1. The user is logged into the system with appropriate permissions to delete members from a project.</li> <li>2. The project exists in the system and has assigned members.</li> </ol>		
Postconditions:	The system removes the selected member from the project and updates the database.		
Normal Flow	<ol style="list-style-type: none"> <li>1. The user accesses the project member list page.</li> <li>2. Users click the "Xóa" button next to the member they want to delete.</li> <li>3. The system displays a pop-up confirming deletion.</li> <li>4. Click the "Xóa" button to confirm deletion of that member.</li> <li>5. The system notifies that the member has been successfully removed from the project.</li> </ol>		

Alternative Flows:	4a. Click the "Hủy" button to cancel the member deletion order. 5a. The system returns to the member list page.
Exception Flows:	N/A

## 2.15.2 Add Member

### a, Description

- Screen display adds member form.
- Only members whose role is Project Manager have a list available to assign.
- Button “Thêm Thành Viên” will show only when the user is Admin.

### b, Screen Layout

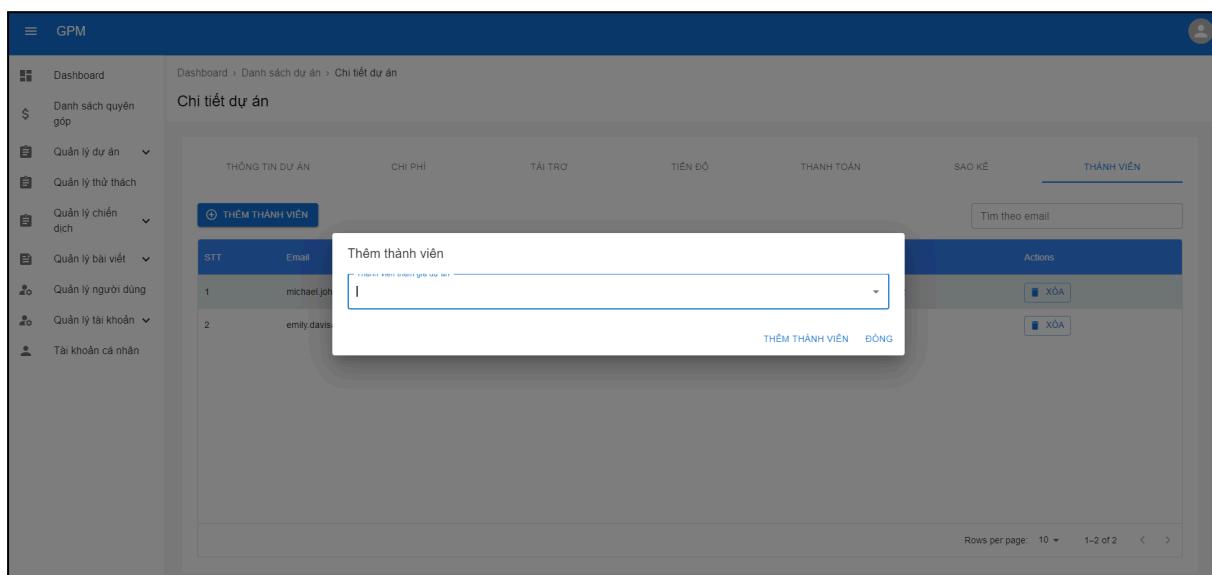


Image 3.64 Add Member

### c, Screen specifications

Field Name	Field Type	Description
Member	List of members	List member have role Project Manager available to assign
Cancel button	Button	Cancel button, back to Members List Screen
Create button	Button	Submit and add members.

Table 3.58 Add member

**d, UC Specifications****UC-71 Add Member**

Primary Actor:	Admin	Secondary Actors:	N/A
Description:	Admin can add a new member to a project.		
Preconditions:	1. The user is logged into the system with appropriate permissions to add members to a project. 2. The project exists in the system and is ready to receive new members.		
Postconditions:	The system adds the new member to the project and updates the database.		
Normal Flow	1. The user accesses the project member list page. 2. Click the “Thêm thành viên” button. 3. The system displays the member addition form. 4. Enter the email of the member you want to add to the project. 5. Click the “Thêm thành viên” button. 6. The system displays a message adding successfully.		
Alternative Flows:	5a. Press the “Hủy” button. 6a. The system returns to the member list page.		
Exception Flows:	N/A		

**2.16 Admin Challenge Feature****2.16.1 Challenge List****a, Description**

- This is the challenge management screen.
- Allows Admin, Project Manager, Social Staff roles to access,view list challenges.
- Users can filter challenges by title,range of total donation.

## b, Screen Layout

STT	Người tạo	Tên thử thách	Mục tiêu	Số tiền đạt được	Ngày kết thúc	Action
1	Le Van Cuong	a	10.000.000.000	0	07/09/2024	
2	Lê Văn Khải	Góp Lê Xây Cầu - Chung Tay Vì Cộng Đồng C	30.000.000	520.000	20/08/2024	
3	Lê Văn Khải	Góp Lê Xây Cầu - Vững Bước Tương Lai Cho Cộng D	10.000.000	2.170.000	23/08/2024	
4	Lê Văn Khải	Góp Lê Xây Cầu - Nối Nhịp Yêu Thương Cho Cộng Đ	200.000.000	2.780.000	16/08/2024	
5	Trần Thị Bích	Góp Lê Xây Trường - Xây Dựng Tương Lai Cho Cộng	9.000.000	1.590.000	18/08/2024	
6	Trần Thị Bích	Góp Lê Xây Trường - Mở Đường Tương Lai Cho Cộn	30.000.000	1.120.000	17/08/2024	
7	Trần Thị Bích	Góp Lê Xây Trường - Urom Mầm Trí Thức Cho Cộng	110.000.000	2.490.000	28/08/2024	
8	Hoàng Văn Nam	Góp Lê Xây Nhà - Tổ Ấm Yêu Thương Cho Cộng Đồng	130.000.000	700.000	22/08/2024	
9	Hoàng Văn Nam	Góp Lê Xây Nhà - Nơi An Cứ Lạc Nghiệp Cho Cộng	20.000.000	1.080.000	27/08/2024	
10	Hoàng Văn Nam	Góp Lê Xây Nhà - Mái Ấm Cho Cộng Đồng X	120.000.000	810.000	23/08/2024	

Rows per page: 10 ▾ 1-10 of 47 < >

Image 3.65 Challenge List

## c, Screen SpecificationTable

Field Name	Field Type	Description
Challenge Table	Table	List Challenges, Columns: Created By, Title , Goal, Total Donate, Finish Date, Action.
Title	TextField	Filter by title
Range of goal	Number	Filter by range of goal
Detail button	Button	Navigate to Detail Challenge

3.59 Challenge list

## d, UC Specifications

### UC-72 View Challenge List

Primary Actor:	Admin, Project Manager, Social Staff	Secondary Actors:	N/A
Description:	User wants to see a list of challenges.		

Preconditions:	<ol style="list-style-type: none"> <li>There exists a challenge in the system.</li> <li>The application is connected to the server.</li> </ol>
Postconditions:	The system displays a list of challenges
Normal Flow	<ol style="list-style-type: none"> <li>The user accesses the dashboard page.</li> <li>Clicks on “Quản lý thử thách”.</li> <li>The system displays a list of challenges.</li> </ol>
Alternative Flows:	3a. Enter a keyword in the search box and the system will display a list of suitable challenges.
Exception Flows:	N/A

## 2.16.2 Challenge Detail

### a, Description

- Screen display challenge detail.
- Allows Admin, Project Manager, Social Staff roles to access and only view detailed challenges.( BR-53)
- Display challenge information: Created By, Title , Goal, Total Donate, Start Date, Finish Date, Content, List companion projects, List donations of challenge.

### b, Screen Layout

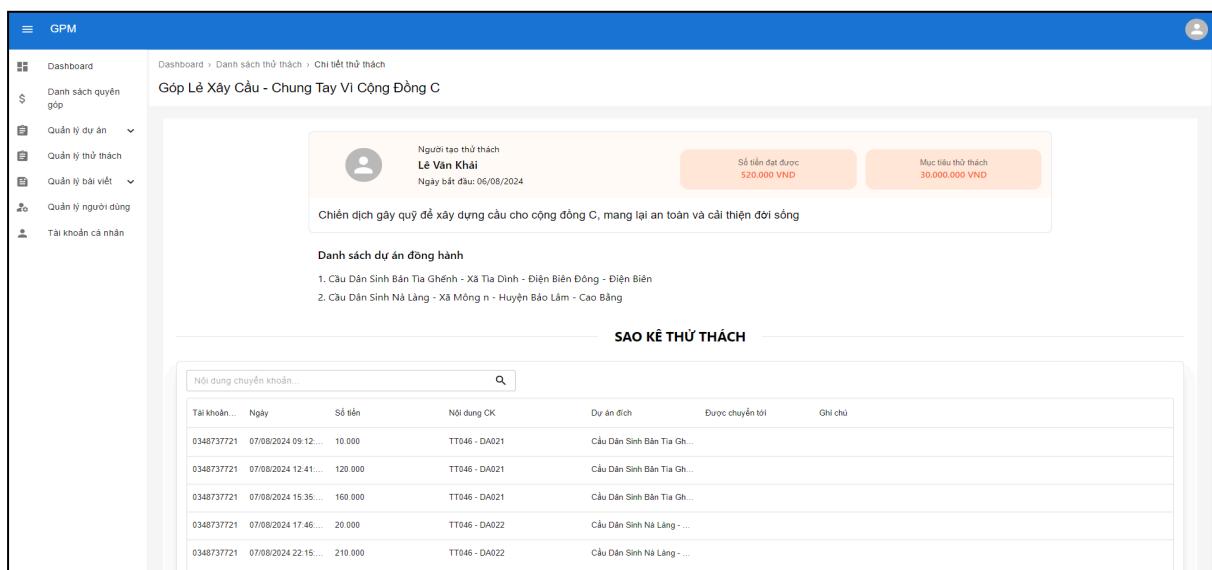


Image 3.66 Challenge Detail

**c, Screen specifications**

Field Name	Field Type	Description
Created By	TextField	Created By of challenge
Title	TextField	Title of challenge
Goal	Number	Goal of challenge
Total Donate	Number	Total Donate of challenge
Finish Date	Date	Finish Date of challenge
Finish Date	Date	Finish Date of challenge
Content	TextField	Content of challenge
List companion projects	List	Companion projects of challenge, when click will navigate to project information
List donations	List	List donations of challenge
Description	TextField	Filter by description of donation in challenge

*Table 3.60 Challenge detail*

**d, UC Specifications**

UC-73 View Challenge Detail

Primary Actor:	Admin, Project Manager, Social Staff	Secondary Actors:	N/A
Description:	Admin users want to view a detail of all challenge		
Preconditions:	1. That challenge exists in the system. 2. The application is connected to the server.		
Postconditions:	The system displays a list of challenge		

Normal Flow	<ol style="list-style-type: none"> <li>Access the list of challenges <a href="#">UC-71</a>.</li> <li>Select the challenge you want to see details about.</li> <li>The system will display detailed information of the challenge.</li> </ol>
Alternative Flows:	N/A
Exception Flows:	N/A

## 2.17 Admin Donation Feature

### 2.17.1 Donation List

#### a, Description

- This is the donation list screen
- Allows Admin, Project Manager, Social Staff roles to access, view list donations
- Users can filter donations by description of donation.

#### b, Screen Layout

Tайл khoản...	Ngày	Số tiền	Nơi dùng CK	Dự án đích	Được chuyển tới	Ghi chú
0348737721	16/08/2024 00:25...	17	NODATA		DA023-Vàng Thị Hương - Xóm N...	Do dự án ban đang quyể...
0348737721	16/08/2024 23:31...	-2000	da023 chuyển lại tiền thua cho dU330619-Ma GD...	Vàng Thị Hương - Xóm N...	Chuyển trả khách hàng bị...	
0348737721	16/08/2024 23:28...	-2000	da023 chuyển tiền lại cho uf333597-Ma GD ACS...	Vàng Thị Hương - Xóm N...	Chuyển trả khách hàng bị...	
0348737721	16/08/2024 23:19...	2000	DA032-Ma GD ACSP/ uf333597	Nhà Hạnh Phúc 130 - Lô Thị Ché...		
0348737721	16/08/2024 23:15...	2000	DA032-Ma GD ACSP/ uf3330619	Nhà Hạnh Phúc 130 - Lô Thị Ché...		
0348737721	16/08/2024 22:48...	5000	DA022 TT050 ACC011 Quoc Anh Me giao dịch Tr...	Cầu Dân Sinh Nà Leng - Xã Mán...		
0348737721	15/08/2024 17:07...	11111	DA023 DA0230966915481LINH 150824 1707 68	Vàng Thị Hương - Xóm N...		
0348737721	12/08/2024 21:26...	2000	64527871089-DA031 ACC011-CHUYEN TIEN-O...	Nhà Hạnh Phúc 168 - Y Bich - Th...		
0348737721	12/08/2024 19:25...	2000	DA031 NGUYEN HOANG HIEU-Ma GD ACSP/z...	Nhà Hạnh Phúc 168 - Y Bich - Th...		
0348737721	12/08/2024 19:52...	2000	DA031 HOANG MINH QUAN-Ma GD ACSP/VK0...	Nhà Hạnh Phúc 168 - Y Bich - Th...		

Image 3.67 All List Donation

#### c, Screen Specification

Field Name	Field Type	Description
Donation Table	Table	List Donations, Columns: BankSubAccId, Value, CreatedAt, Description, Note, TransferredProject, Project.
Description	Date	Filter by Description

Table 3.61 All list donation

#### d, UC Specifications

##### UC-74 View Donation List

Primary Actor:	Admin, Project Manager, Social Staff	Secondary Actors:	N/A
Description:	User wants to see a list of challenges.		
Preconditions:	1. There exists a donation in the system. 2. The application is connected to the server.		
Postconditions:	The system displays a list of challenges		
Normal Flow	1. The user accesses the dashboard page. 2. Clicks on “Danh sách quyên góp”. 3. The system displays a list of donations		
Alternative Flows:	3a. Enter a keyword in the search box and the system will display a list of suitable donations.		
Exception Flows:	N/A		

#### 2.17.2 Donation Detail

##### a, Description

- This is the Donor account list screen
- Allows Admin, Project Manager, Social Staff roles to access, view list account of donor
- Users can filter donations by range of donation, phone number and fullname
- The "Số tiền quyên góp được" column is calculated based on the amount that the account owner has directly donated to the 2000 Power projects. This refers to donations made by them personally, not through referrals or challenges.

### b, Screen Layout

Danh sách quyên góp					
Tài khoản...	Ngày	Số tiền	Nội dung chuyển khoản...		
0348737721	20/08/2024 18:00:...	2000	<b>Chi tiết chuyển khoản</b>  Ngân hàng nhận: 0348737721 Số tiền: 2000 Ngày tạo: 20/08/2024 14:59:36 Nội dung CK: DA022 TT045 Quoc Anh FT24233897730866 Ma giao dịch Trace655979 Trace 655979 Dự án: DA022-Cầu Dân Sinh Nà Lèng - Xã Mông n - Huyện Bảo Lâm - Cao Bằng Tài khoản thụ hưởng: 19038891113011	Tiền dư được chuyển tới	Trạng thái
0348737721	20/08/2024 15:11:...	2000		DA022-Cầu Dân Sinh Nà Lèng - ...	Mã dù...
0348737721	20/08/2024 14:59:...	2000		DA022-Cầu Dân Sinh Nà Lèng - ...	Mã dù...
0348737721	20/08/2024 08:24:...	20000		DA026-Điểm Trường Vàng Doọc ...	Mã dù...
0348737721	19/08/2024 23:24:...	172000		DA022-Cầu Dân Sinh Nà Lèng - ...	Mã dù...
0348737721	18/08/2024 00:25:...	17		DA023-Vàng Thị Hương - Xóm N...	Mã dù...
0348737721	16/08/2024 23:31:...	-2000		DA023-chuyen lai tiền thua cho uDU330619-Ma G...	Chuyển
0348737721	16/08/2024 23:28:...	-2000		da023 chuyen tien lai cho uF333597-Ma GD ACS...	Chuyển
0348737721	16/08/2024 23:19:...	2000		DA032-Ma GD ACSP/ uF333597	DA022-Cầu Dân Sinh Nà Lèng - ...

Image 3.68 User List

### c, Screen Specification

Field Name	Field Type	Description
Donation dialog	dialog	Donation field:BankSubAcctId, Value,CreatedAt, Description, Note, TransferredProject,Project.

Table 3.52 User list

### d, UC Specifications

#### UC-75 View Donation Detail

Primary Actor:	Admin, Project Manager, Social Staff	Secondary Actors:	N/A
Description:	The user wants to see details of a specific donation.		
Preconditions:	1. There exists a donation in the system. 2. The application is connected to the server.		
Postconditions:	The system displays a list of challenges		
Normal Flow	1. User accesses the donation list page.		

	2. Clicks on a specific donation. 3. The system will display the details of that donation.
Alternative Flows:	N/A
Exception Flows:	N/A

### 3. Non-Functional Requirements

#### 3.1 External Interfaces

##### 3.1.1 User Interface

- An intuitive interface that works on a variety of platforms and devices will be the highlight of the Project Management System. Features such as project management, news management, account management, registration, and login will all be supported by the interface. To maximize the user experience, the visibility and organization of information must also be clear.

##### 3.1.2 Integration Interfaces

- The handling of the backing should be handled by the system with seamless integration with reputable banks. The user experience should not jeopardize high usage time, and this integration must be built to ensure consistent performance.

#### 3.2 Quality Attributes

##### 3.2.1 Usability

- The UI should be elegant and simple.
- All title, functions are detailed, easy to understand and reflect the purpose for that function.
- All messages are floating but need to be cleared.
- Links, buttons, checkboxes are easily clickable.
- Search box is wide enough, so that users can see what they've typed.
- Search is available on every page, not just the homepage.
- Links are easily recognizable. They look clickable.
- Important commands are displayed as buttons, not links.

##### 3.2.2 Performance

- Using MySQL will help the system to import/export data with high performance.
- No restriction anytime, anywhere for using the application.

##### 3.2.3 Portability

- The system will have maintenance by time-cycle to improve quality and security.
- The User guide is a support document.

## 4. Requirement Appendix

### 4.1 Business Rules

ID	Rule Definition
BR-01	The statement information will be updated and displayed after 30s
BR-02	Campaign will show only need donate project
BR-03	If the project status is not in the form of individual donations or the total amount raised is greater than the target, the donation card item code will not be displayed
BR-04	If the challenge has ended, the QR code for donations will not be displayed
BR-05	Only when logged in with the account that created the challenge will the option 'Cập nhật thông tin cho thử thách' will be displayed
BR-06	The project list in donate now card will only display the list of projects in the donation status
BR-07	Ranking displays the list of 10 challenges that raised the most money.
BR-08	Ranking displays the list of 10 people who raised the most donations.
BR-09	Ranking displays the list of 10 people who donated the most.
BR-10	Only posts with published status will appear in client news list
BR-11	Fields marked with * are mandatory.
BR-12	Each email can only be registered for one account in the system.
BR-13	An OTP will be sent via the registered email.
BR-14	The OTP will be 6 characters long.
BR-15	The OTP is valid for 3 minutes
BR-16	The password will be encrypted before being stored in the system.
BR-17	If the correct OTP is not entered, the account will not be saved in the system.
BR-18	Transfer contents that include a project code, but the project has already met its funding goal or has changed status, will be reallocated according to the following priority order: <ol style="list-style-type: none"> <li>If the transfer content contains a valid challenge code, the donation will be prioritised and allocated to the project with the lowest amount of donations that is still in the "Cần quyên góp" status.</li> <li>Donations will be transferred to projects within the same campaign. If there are no suitable projects in the campaign, they will be transferred to other projects. If there are no projects left, the donation will be marked as a 'Wrong donation' and will be automatically updated every Sunday.</li> </ol>

BR-19	Only posts with published status will appear.
BR-20	Full names must be 1 - 100 characters and do not contain special characters.
BR-21	The “Email” field must be 1 - 50 characters.
BR-22	The email address must be unique for each user.
BR-23	The “Nhập lại mật khẩu” input must match the “Mật khẩu” input.
BR-24	Verify OTP expires in 3 minutes.
BR-25	The sent OTP code has 6-character length.
BR-26	The phone must contain only 10 digits and start with 0.
BR-27	File images are not allowed to exceed 2mb.
BR-28	The “Địa chỉ” field has a maximum length of 255 characters.
BR-29	The date of birth must be before the current time.
BR-30	The “Email” field must follow the format abc@xyz.com.
BR-31	The “Mật khẩu” field must contain from 8 to 15 characters.
BR-32	Only donor accounts are allowed to create challenges.
BR-33	The challenge name cannot be empty.
BR-34	The challenge name must be between 1 and 255 characters in length.
BR-35	The challenge end date must be after the current date.
BR-36	At least one project must be selected to accompany.
BR-37	Only challenges that have not yet expired can be updated.
BR-38	Only the “Tên thử thách”, “Số tiền mong muốn đạt được”, “Ngày hết hạn”, “Nội dung thử thách”, and “Banner” can be updated.
BR-39	Only the challenge created by the user themselves can be updated.
BR-40	Only “Họ và tên”, “Số điện thoại”, “Địa chỉ”, “Giới tính”, and “Ngày sinh” can be edited. (BR-40)
BR-41	Only admins have the right to view the staff account list.
BR-42	Only admin can create account staff
BR-43	Only the admin has the right to update a staff account.
BR-44	Only the role and status of the account can be updated.
BR-45	Only Admin can update campaign
BR-46	Only Admin can create campaign
BR-47	“Tên chiến dịch” has a maximum length of 255 characters.
BR-48	Only admin can update Category

BR-49	Only admin can create Category
BR-50	Admin role will be allowed to edit all news, SocialStaff role only allows editing of news they create.
BR-51	SocialStaff can only publish or unpublish their created news, after approved by Admin
BR-52	News created by Admin always approve if successful, created by Social Staff will need to approved by Admin
BR-53	Only Admin and Project Manager has been assign to project can edit project information
BR-54	Project when successfully created will have status 1: No sponsor yet.
BR-55	Only Admin can access and create project

Table 3.57 Business Rules

## 4.2 System Messages

#	Message code	Message Type	Context	Content
1	MSG01	Toast message	Verify email by the OTP on your email address	Mã OTP được gửi trên địa chỉ email của bạn
2	MSG02	Toast message	Email verified successfully.	Bạn đã đăng ký thành công
3	MSG03	In line	There is not any search result	No rows
4	MSG04	In red, under the text box	OTP is not valid	OTP INVALID
5	MSG05	In red, under the text box	OTP has expired	OTP đã hết hạn
6	MSG06	In red, under the text box	Enter invalid email and password	Email và mật khẩu không hợp lệ
7	MSG07	In red, under the text box	Input field blank	Vui lòng không để trống
8	MSG08	Toast message	Updating successfully	Cập nhật thành công
9	MSG09	Toast message	Create successfully	Tạo thành công
11	MSG10	Toast message	Deleting information successfully	Xóa thành công
12	MSG11	In red, under the text box	Input value length > max length	Không được vượt quá độ dài ký tự

13	MSG12	Toast message	Username or password is not correct when clicking sign-in	Tài khoản và mật khẩu không hợp lệ
14	MSG14	Toast message	When create project the field is blank	Vui lòng điền đầy đủ thông tin các trường bắt buộc (Tên dự án, Chiến dịch, Địa điểm, Thông tin xây dựng).
15	MSG15	Toast message	When login with invalid password	Mật khẩu không đúng
16	MSG16	Toast message	When the login account is disabled	Tài khoản đã bị vô hiệu hóa
17	MSG17	In red, under the text box	When the old password is incorrect	Mật khẩu cũ không đúng
18	MSG18	In red, under the text box	When the new password is the same as the old password	Mật khẩu mới phải khác mật khẩu cũ
19	MSG19	Toast message	Email has been registered	Email đã đăng ký tài khoản
20	MSG20	In red, under the text box	Input date is not valid	Ngày phải là ngày hợp lệ
21	MSG21	In red, under the text box	Input phone number is not valid	Số điện thoại phải là 10 chữ số
22	MSG22	Toast message	When login successfully	Đăng nhập thành công
23	MSG23	Toast message	When forgot password, input invalid email	Tài khoản không tồn tại
24	MSG24	Toast message	When forgot password, input valid email	Mật khẩu đã được đổi lại
25	MSG25	Toast message	When choose image large than 2MB	Ảnh vượt quá giới hạn
26	MSG26	Toast message	When choose file large than 5MB	File vượt quá giới hạn

27	MSG27	In red, under the text box	When leaving required fields when creating budget	Vui lòng nhập tên, số tiền hợp lệ
28	MSG28	In red, under the text box	When leaving required fields when creating sponsor	Tên công ty, người đại diện, email người đại diện, số điện thoại, giá trị tại trợ là bắt buộc
29	MSG29	In red, under the text box	When leaving required fields when creating tracking	Tên tiến độ cần theo dõi, nội dung, ngày là bắt buộc
30	MSG30	In red, under the text box	When leaving required fields when creating expense	Tên chi phí, giá trị tiền là bắt buộc
31	MSG31	Toast message	When leaving required fields when adding member	Bạn chưa chọn thành viên nào
32	MSG32	Toast message	When hide/browse the post successfully	Đã cập nhật trạng thái thành công
33	MSG33	Toast message	When change password successfully	Mật khẩu đã được thay đổi
34	MSG34	In red, under the text box	When creating a challenge, do not select a project	Vui lòng chọn ít nhất một dự án
35	MSG35	In red, under the text box	When leaving required fields when creating challenge	Tên thử thách, Số tiền mong muốn, Ngày kết thúc, Nội dung thử thách là bắt buộc

Table 3.58 System Messages

#### 4.3 Other Requirements...