



SOCIAL NETWORK IRCN V

Final Release Document

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I. Deliverable Package

No.	File	Notes
1	SocialMediaNetworkIRCNV.sql	Create table for project Social media
3	Trigger.sql	Add trigger for social media
4	init.sql	run init to create base data
5	triggerBusiness.sql	Create table for project Admin function
6	[library] folder	Include all .jar file need to project
7	A04-RT01_Project Tracking_final.xlsx	Final SRS (Project Tracking) Document
8	A04-RT01_SRS_final.docx	Final SRS (SRS Document) Document
9	A04-RT01_SDS_final.docx	Final SRS (SDS Document) Document
10	A04-RT01_Issues Report_final.xlsx	Final SRS (Issues Report) Document
11	A04-RT01_Final Release.docx	Final SRS (Final Release Document) Document
12	SocialNetworkIRCNV	All Package project

II. Installation Guides

Installation Guides

1. Install NetBeans 15:

- + Download the NetBeans 15 installation from the official NetBeans website or from another trusted source.
- + Run the installation file and follow the on-screen instructions.
- + Choose the installation options that suit your needs.
- + Wait for the installation to complete and restart the computer (if necessary).
- + Add the entire project to NetBeans:
- + Open NetBeans and select "File" > "Open Project" (or similar).
- + Browse to the folder containing the entire project and select it.
- + Wait for NetBeans to load and display the entire project.
- + Check the project configuration and necessary settings, including the JDK configuration and the dependent libraries contained in the library folder.
- + Add all .jar files to the Project

2. Install SQL Server:

- + Download the SQL Server installation from the official Microsoft website or from another trusted source.
- + Run the installation file and follow the on-screen instructions.
- + Choose the installation options that suit your needs, including the installation path, hostname, and security configuration.
- + Wait for the installation to complete and restart the computer (if necessary).
- + Open SQL Server Management Studio (SSMS) or a similar SQL Server management tool.

Connect to the database where you want to run the SQL files.

- + Open the SQL file in SQL Server management tools and run them one by one in order.
- + Then run the files one by one: SocialMediaNetworkIRCNV.sql, dashBoad.sql, trigger.sql, triggerBusiness.sql

3. Run ngrok software:

- + Download ngrok software from ngrok official website or from other trusted sources.
- + Extract the ngrok file (if necessary).
- + Open a terminal or command line window and navigate to the directory containing the ngrok file (ngrok http 8080) .
- + Run the ngrok command to start the software and connect to the ngrok server.
- + Then ngrok will create a path
- + Point your domain to the ngrok path:

You have finished installing and configuring the environment to run Project Social Media IRCN VV, install SQL Server, run SQL files, and install NetBeans 15. You have also run the ngrok software and pointed your domain to the ngrok path. You are now ready to continue developing and deploying your web application.

III. User Manual

[In this part, you provide overall descriptions of the application, the briefs of the application's workflows and the details guide of each workflow where the end user can use

1. Overview

IRCN V is a social network that connects individuals from various backgrounds and interests. With its user-friendly interface and extensive features, IRCNet provides a platform for people to communicate, collaborate, and share ideas in real-time. Whether you are seeking engaging conversations, information exchange, or simply looking to connect with like-minded individuals, IRCNet offers a vibrant and diverse community that fosters meaningful connections. Join IRCNet today and discover a world of opportunities to connect, learn, and grow within this dynamic social network. You also can create your own brand, post advertisements for everyone.

User	Functions
Everybody	<ul style="list-style-type: none"> - Account Management - User and Post Search - Profile and Post View - Post Management - Comment Management - Social Interactions - Create Brand - Add Reporting and Management - Advertising Hub

2. Account Management

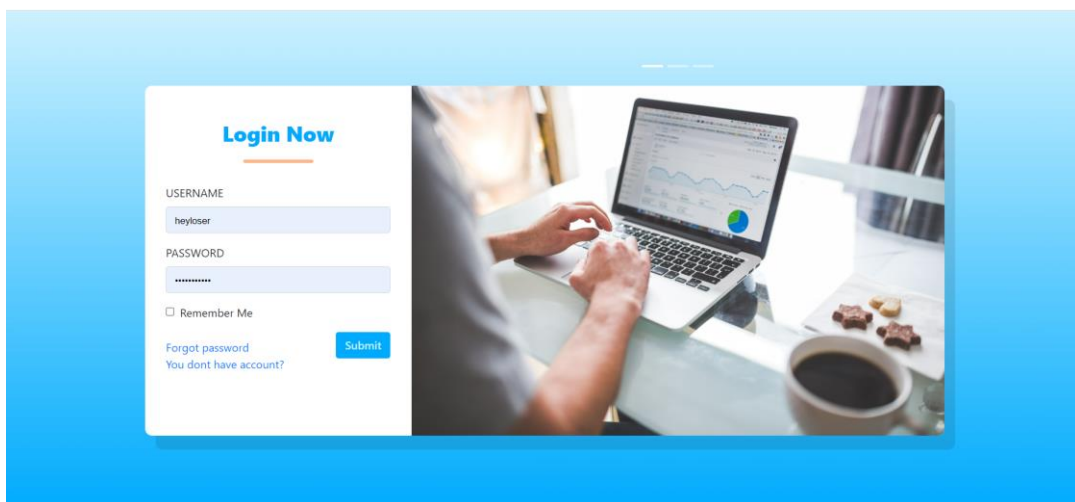
2.1 Description

Account Management is a critical system feature that enables users to create and manage their user accounts within the social networking platform. It involves functionalities related to user registration, login, password management, and account settings. Account Management is of high priority as it forms the foundation for user interaction and personalised experiences within the platform.

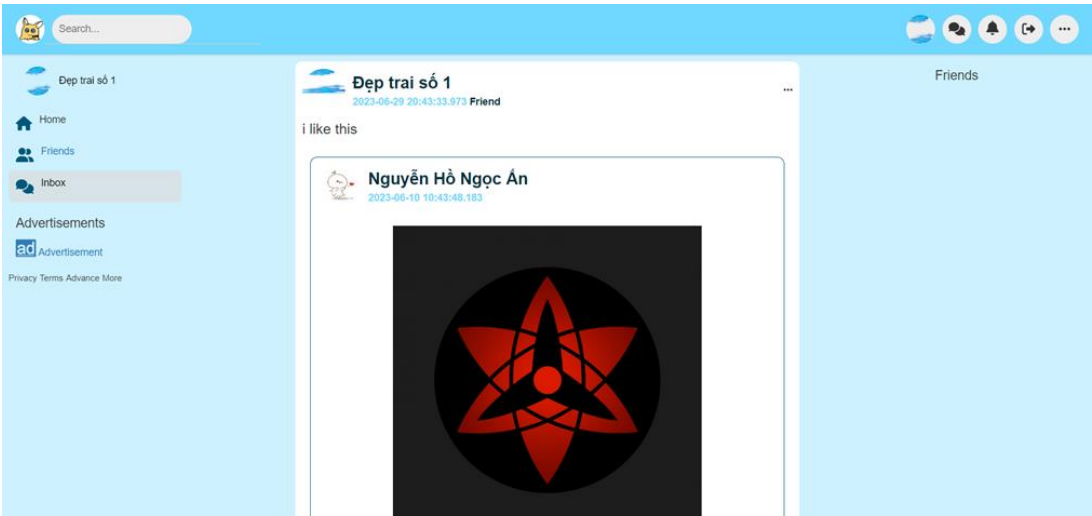
2.2 Login

Users will log in to the application through the provided link.

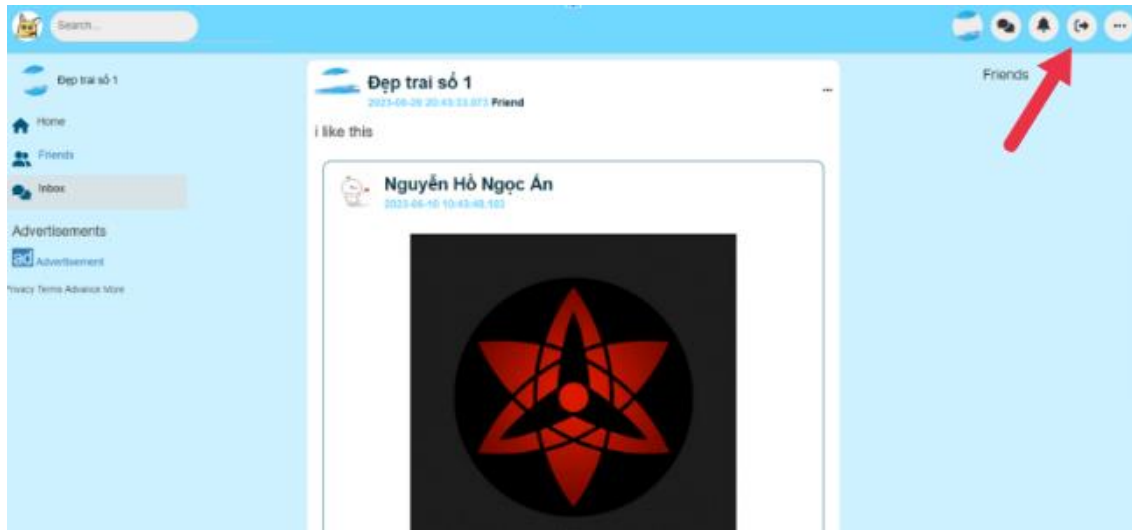
Accessing the link will display the following login screen:



Please use your existing username and password to log in to the application. After successfully logging in, the homepage interface of your account will be displayed:

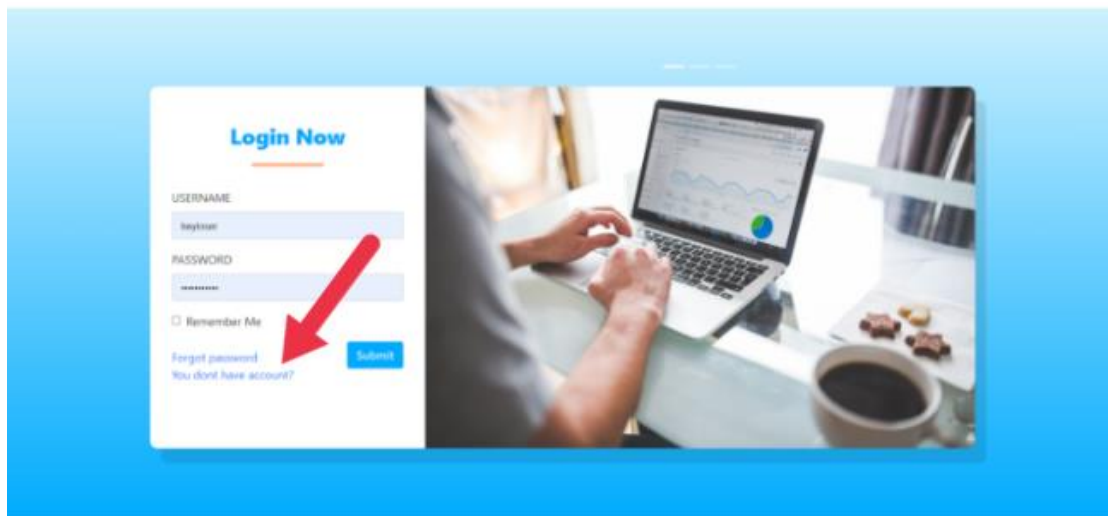


If you want to log out, please click on the button located in the top right corner of the screen:

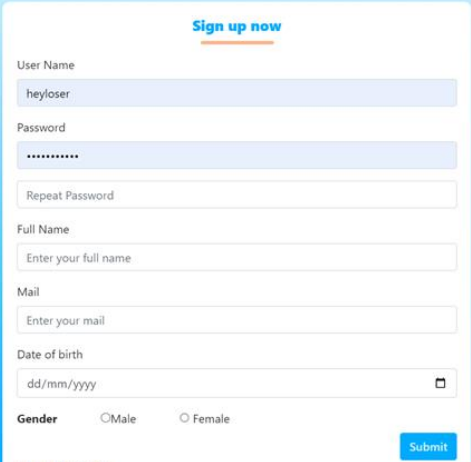


2.3 Sign Up

If you do not have an account, you can register for a new account by clicking on the "Don't have an account" button.



A registration screen will appear:

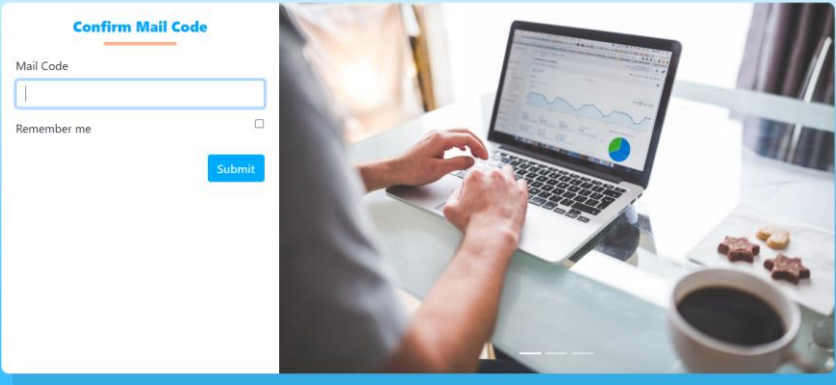


The registration form is titled "Sign up now" in blue text. It contains the following fields and options:

- User Name:** A text input field with the placeholder "heyloser".
- Password:** A text input field with masked characters "*****".
- Repeat Password:** A text input field for confirming the password.
- Full Name:** A text input field with the placeholder "Enter your full name".
- Mail:** A text input field with the placeholder "Enter your mail".
- Date of birth:** A text input field with the placeholder "dd/mm/yyyy" and a calendar icon.
- Gender:** Two radio button options: "Male" and "Female".
- Buttons:** A "Submit" button in blue and a "Forgot password" link in blue text.

Please provide the required information to create an account and click on the "Submit" button to complete the account creation process(the password must start with an uppercase letter and have a minimum of 8 characters).

Once you have completed the registration process and provided the necessary information, you will be redirected to the mail code page:



The "Confirm Mail Code" form is shown on the left, and a background image of a person working on a laptop is on the right.

The "Confirm Mail Code" form includes:

- Title:** "Confirm Mail Code" in blue text.
- Mail Code:** A text input field for entering the code.
- Remember me:** A checkbox option.
- Submit:** A blue button.

The background image shows a person's hands typing on a laptop keyboard. The laptop screen displays a dashboard with a line chart and a pie chart. A cup of coffee and some snacks are on the desk next to the laptop.

Here, you need to enter the verification code that has been sent to your email to confirm your account:



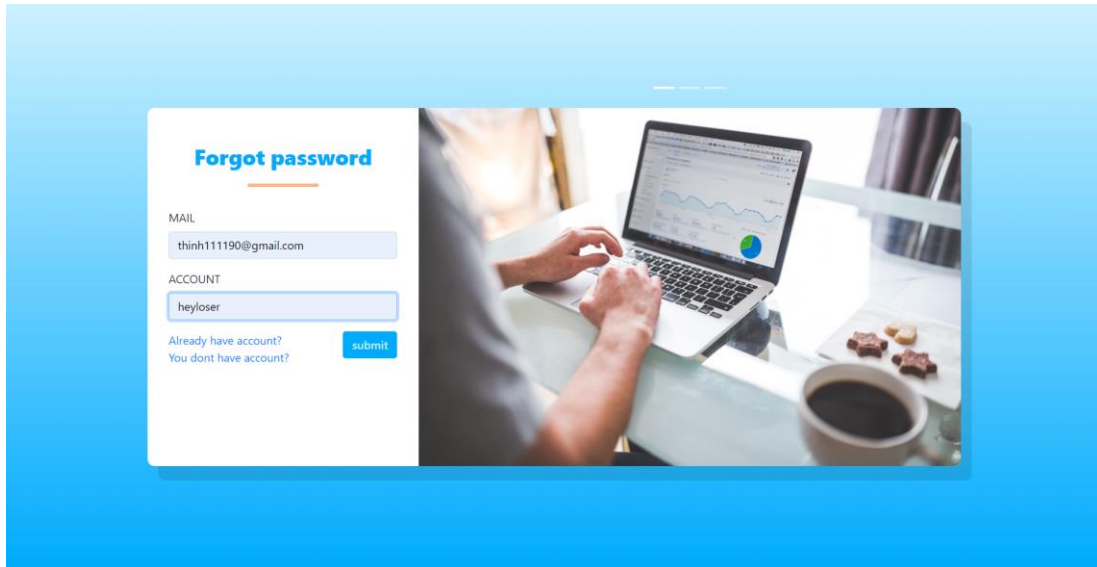
Once you have successfully confirmed the email verification code, you will be redirected to your personal profile page:



2.4 Forgot Password:

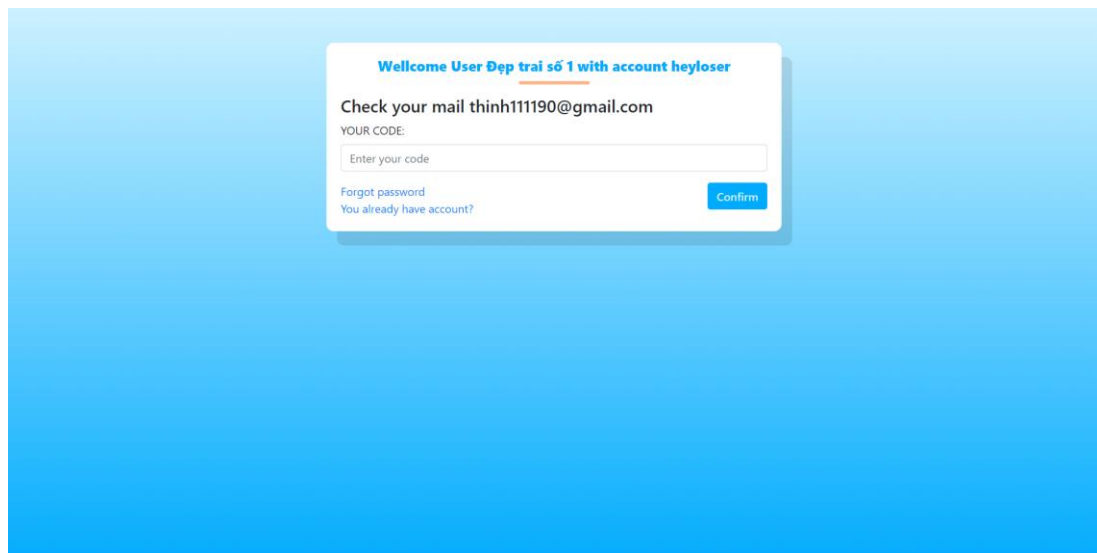
If you have forgotten your password, please click on "Forgot password" to retrieve or reset your password.

The "Forgot password" page will be displayed:

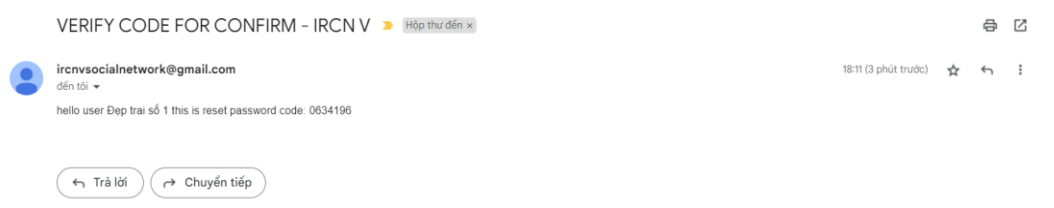


Please enter your registered email and username into the respective fields on the "Email" and "Username" sections.

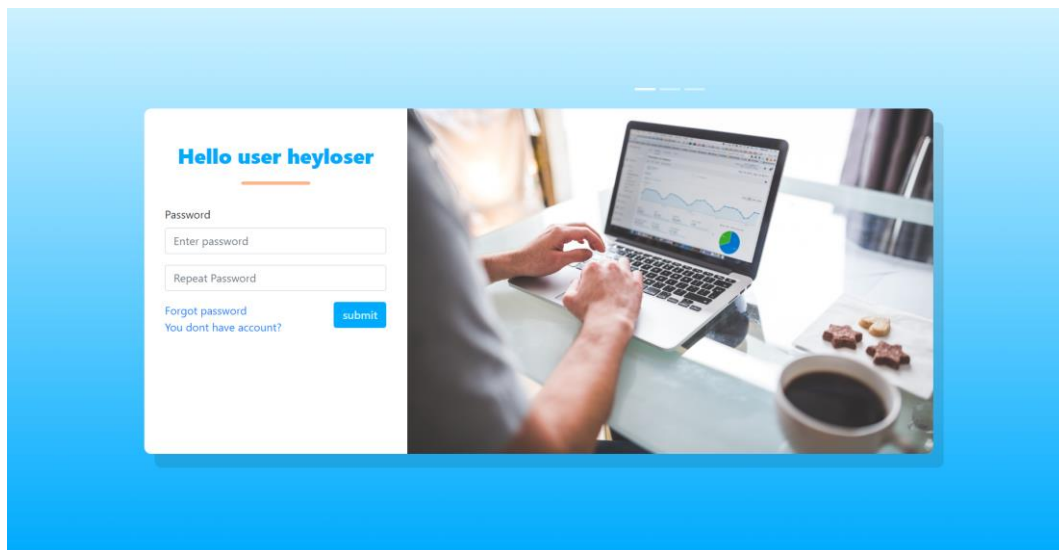
After clicking the "Submit" button, the email verification code confirmation screen will appear:



Please retrieve the verification code from the email you received and enter it in order to proceed with changing your password:



Now, please enter your new password:



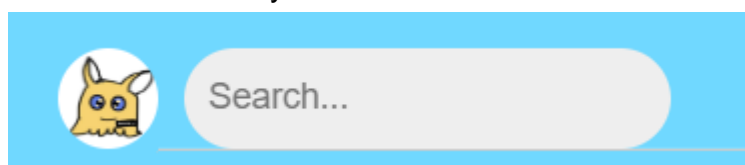
3. User Search

3.1 Description

User Search and Information Retrieval is a system feature that allows users to find and retrieve information about other users within the social networking platform. It involves functionalities related to searching for specific users, viewing user profiles, and accessing relevant user information. User Search and Information Retrieval is of medium priority as it enhances user engagement and facilitates social connections within the platform.

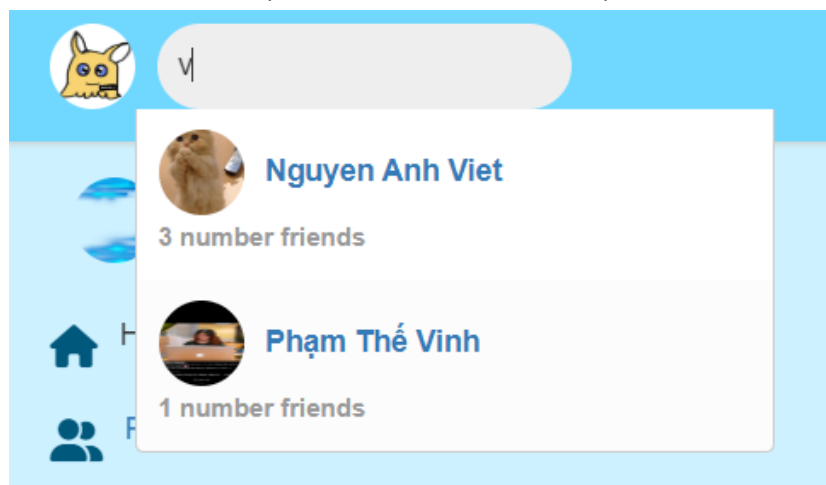
3.2 Search User

Click on the search bar on your home screen:

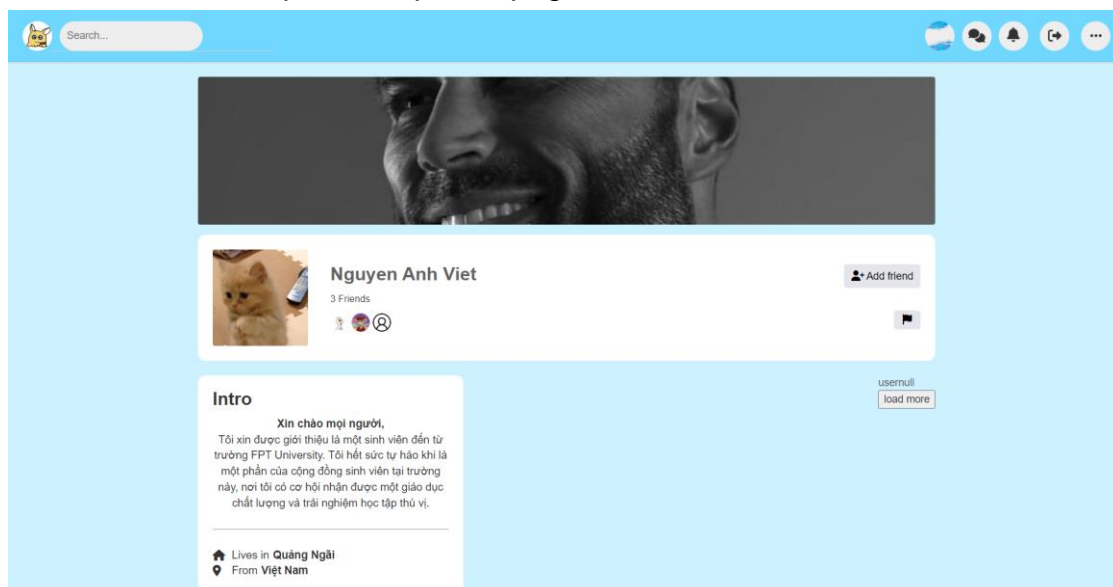


Now, please enter a word or a character that is present in the username of the user you want to search for.

The screen will display a list of users who have the entered word or character in their usernames(**Below the search bar.**):



When you click on the username of the user you want to find, you will be directed to their personal profile page:



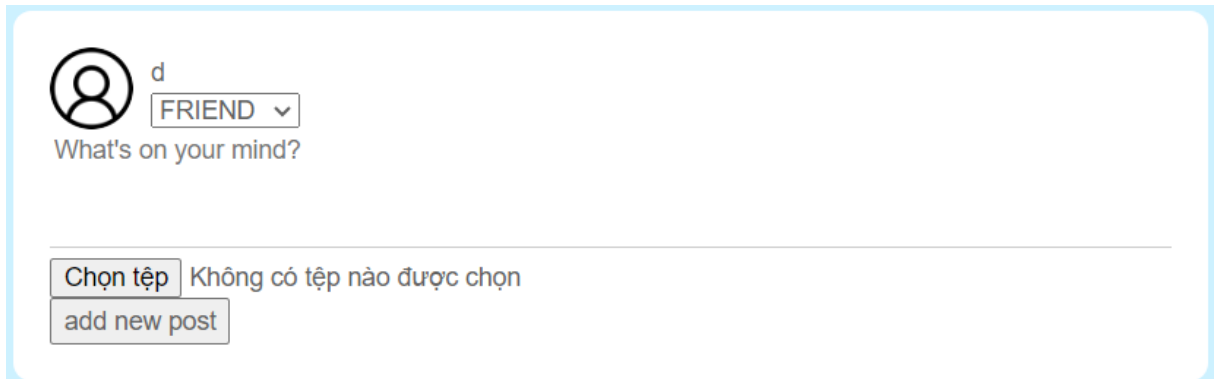
4. Post Management

4.1 Description:

Post Management is a system feature that enables users to create, update, and manage their posts within the social networking platform. It encompasses functionalities related to post creation, editing, deletion, and post-specific settings. Post Management is of medium priority as it is essential for users to share content and maintain control over their posts.

4.2 Creating:

On your personal profile page, there will be a dialogue box to create a post:



The screenshot shows a post creation dialog box. At the top left is a circular profile icon with the letter 'd' next to it. To the right of the icon is a dropdown menu labeled 'FRIEND' with a downward arrow. Below these elements is the text 'What's on your mind?'. A horizontal line separates this header from the main content area. In the main area, there is a text input field with the placeholder text 'Chọn tệp' (Choose file) and 'Không có tệp nào được chọn' (No files selected). Below the input field is a button labeled 'add new post'.

Please enter your status in the provided text field and upload the image you want to share.



This screenshot shows the same post creation dialog box as the previous one, but with an image uploaded. The image is a cartoon character wearing a red and yellow racing helmet and suit, with a large white smile and a raised fist. Above the image, the profile icon and 'FRIEND' dropdown are visible, along with the text 'chào mừng bạn đến với chúng tôi' (Welcome to our community). Below the image, the text input field now contains the filename 'tải xuống.jpg' (download.jpg). The 'add new post' button remains at the bottom.

Click on "Add New Post" to publish the post on your personal profile page.

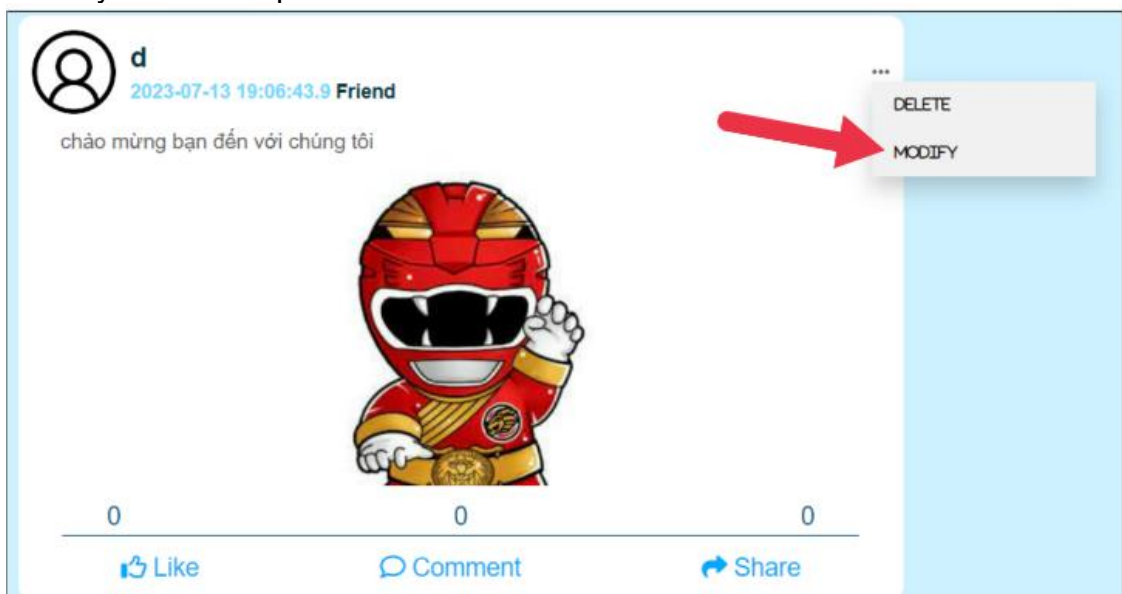
add new post

This is your post:




4.3 Edit post:

In the top right corner of the screen, select the "..." symbol and choose "Modify" from the options:



When you click on it, an "Edit Post" dialog box will appear:


Edit Post

 **d**

2023-07-13 19:06:43.9

Public ▾

chào mừng bạn đến với chúng tôi



Chọn tệp

Không có tệp nào được chọn

Clear File Input

Save changes

Close

Modify the post as desired and click "Save Changes" to save the modifications.

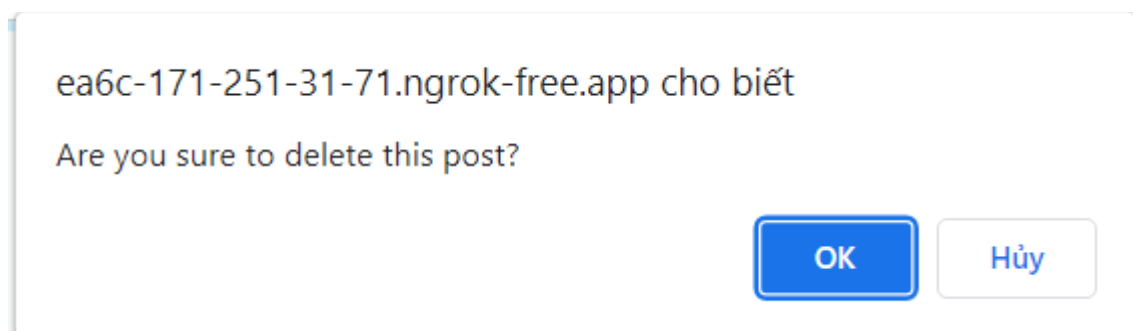
Save changes

4.4 Deleted post:

At the top right of the post, select the "... " button and choose "Delete" to remove the post.



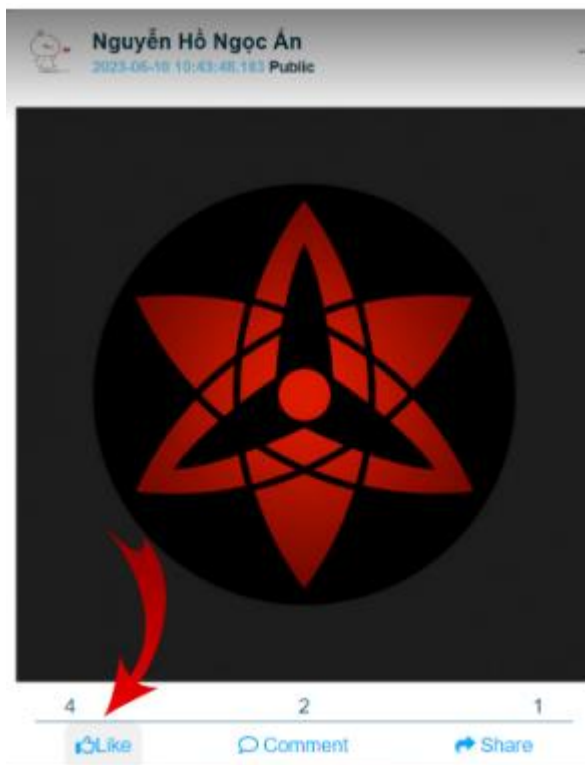
A notification dialog will appear, asking if you want to delete the post.



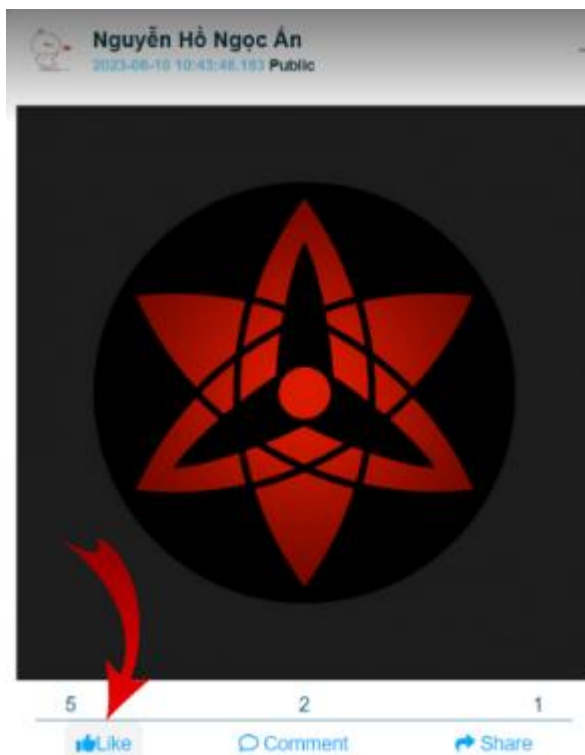
Select "OK" to delete the post

4.5 Like/Unlike:

Please click on the "Like" icon to like the post of another user.



Please click on the "Unlike" icon to unlike the post of another user.

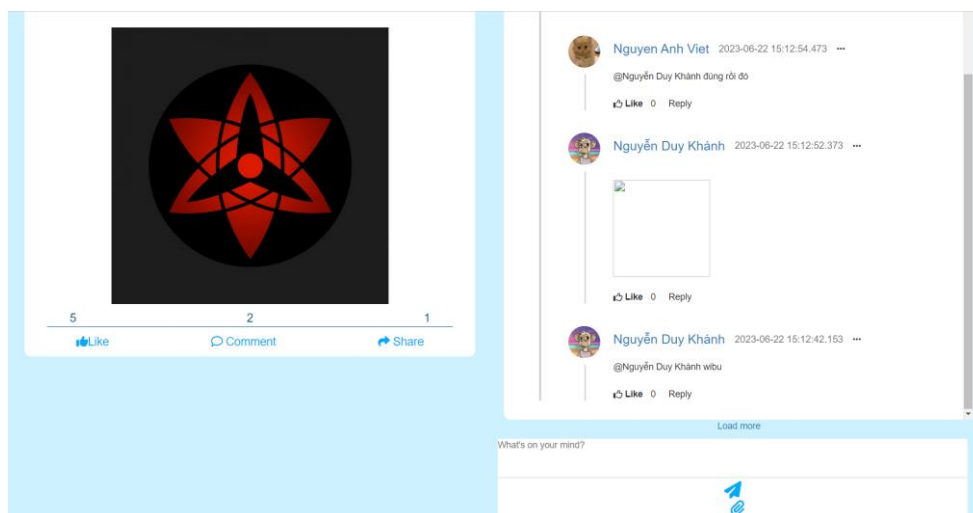


4.6 Comment:

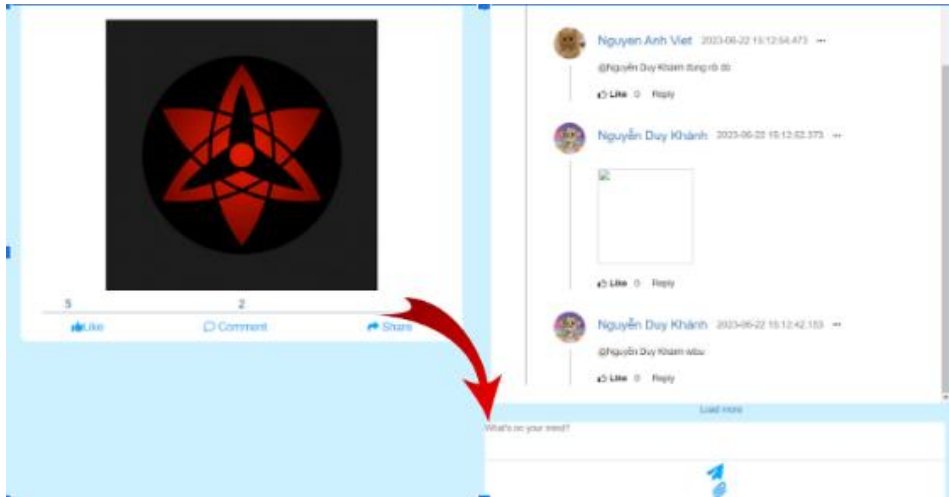
At the post, click on the "Comment" box to write your comment.



A page with the post and comments will appear:



Write your comment here to send it:

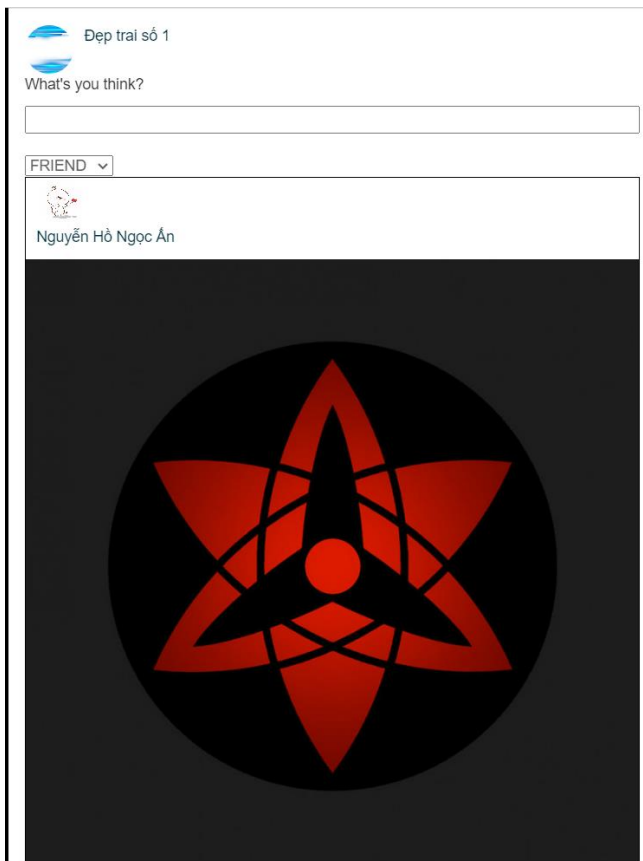


4.7 Share:

To share a post, you need to select the share icon on the post of another user.



A share dialog box will appear.



Please write your thoughts about the shared post and click on "Save" to share it.

Save changes

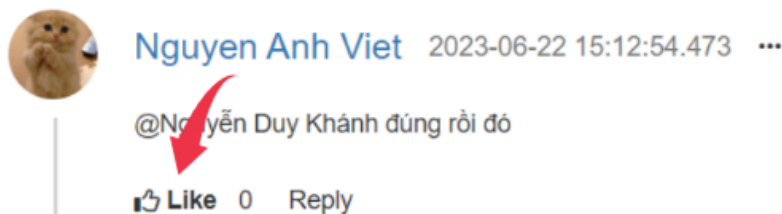
5. Comment Management

5.1. Description

Comment Management is a system feature that allows users to view, create, update, and manage comments on posts within the social networking platform. It encompasses functionalities related to comment interaction, moderation, and user engagement. Comment Management is of medium priority as it plays a crucial role in facilitating user discussions and fostering community engagement.

5.2 Like/Unlike:

At the comments section, select the "Like" icon to like the comment.



At the comments section, select the "Unlike" icon to unlike the comment.

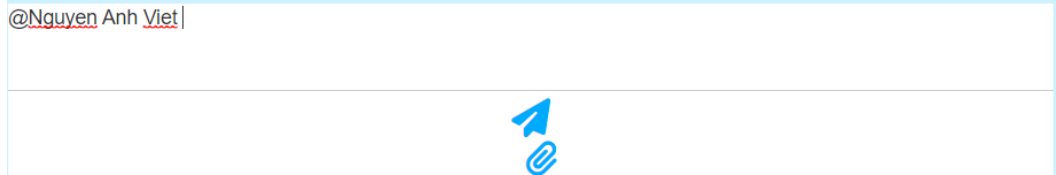


5.3 Reply

At the comments section, click on the reply icon to reply to the comment.



In the comment input box, the name of the person being replied to will be displayed.

A screenshot of a comment input box. At the top, the text '@Nguyen Anh Viet' is displayed in a small font. Below this, there is a large, empty text area for writing a comment. To the right of the text area, there is a blue icon of a speech bubble with a checkmark inside, indicating a reply action.

Write the comment you want to reply with.

6.Social Interactions

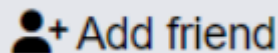
6.1 *Description*

Social Interactions is a module within the system that enables users to connect, communicate, and engage with each other. It includes features such as adding friends, messaging, managing friend lists, and expressing reactions to posts and messages. Social Interactions is of medium priority as it plays a crucial role in fostering social connections, facilitating user discussions, and promoting community engagement within the platform.

6.2 Add/Delete Friend

6.2.1 *Add Friend:*

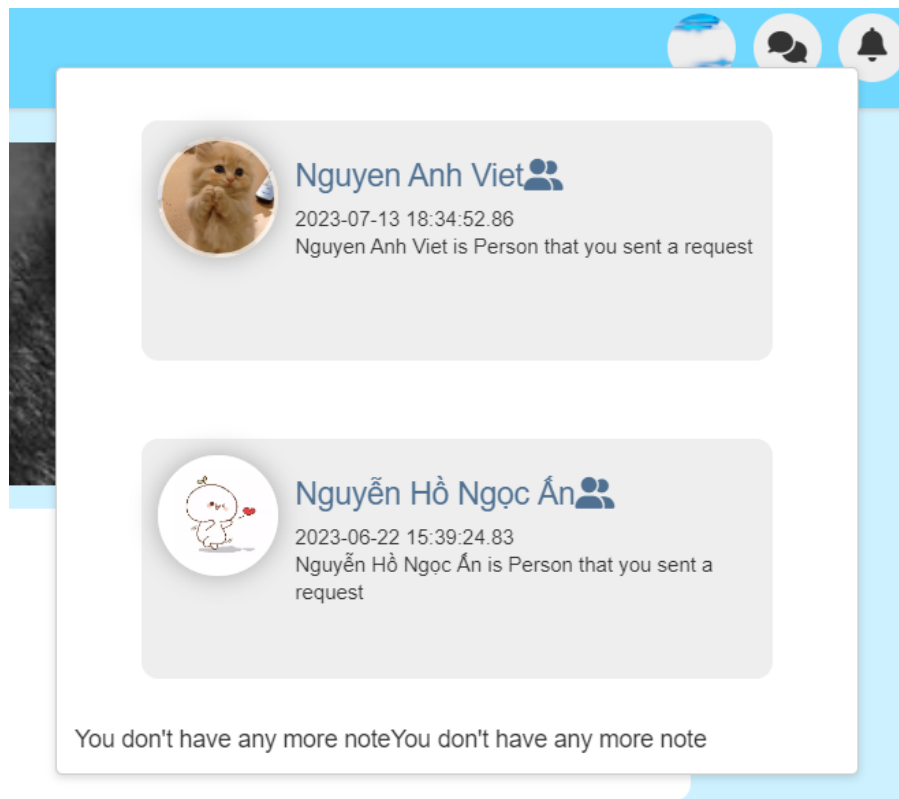
At the profile page of the other user, please click on the "Add Friend" button.

A button with a grey background and rounded corners. It features a black icon of a person with a plus sign, followed by the text 'Add friend' in a black, sans-serif font.

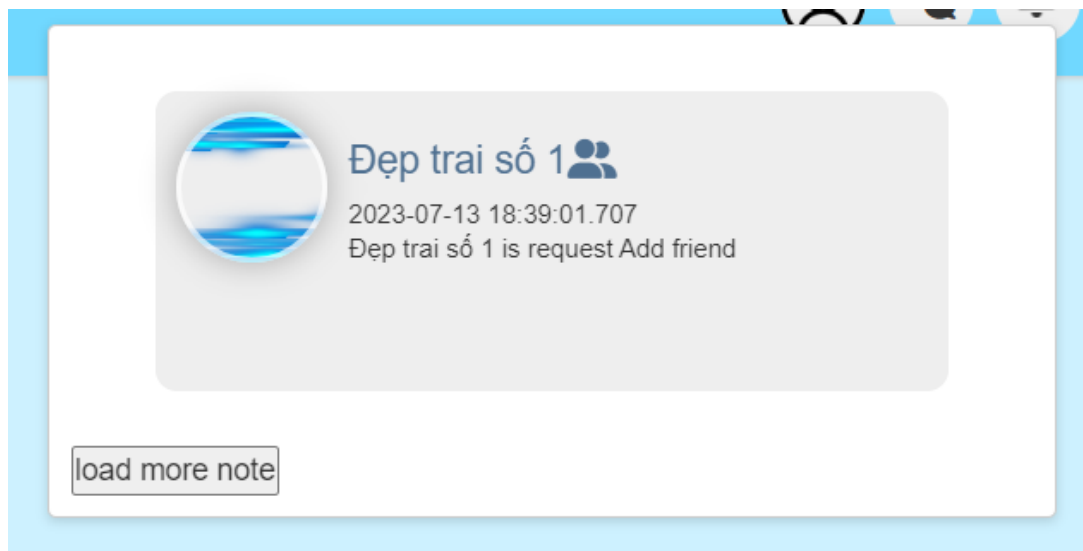
When you click on it, it will change to: "Request Sent" to indicate that the friend request has been sent:

A button with a grey background and rounded corners. It features a black icon of two people with arrows pointing towards each other, followed by the text 'Sent Requested' in a black, sans-serif font.

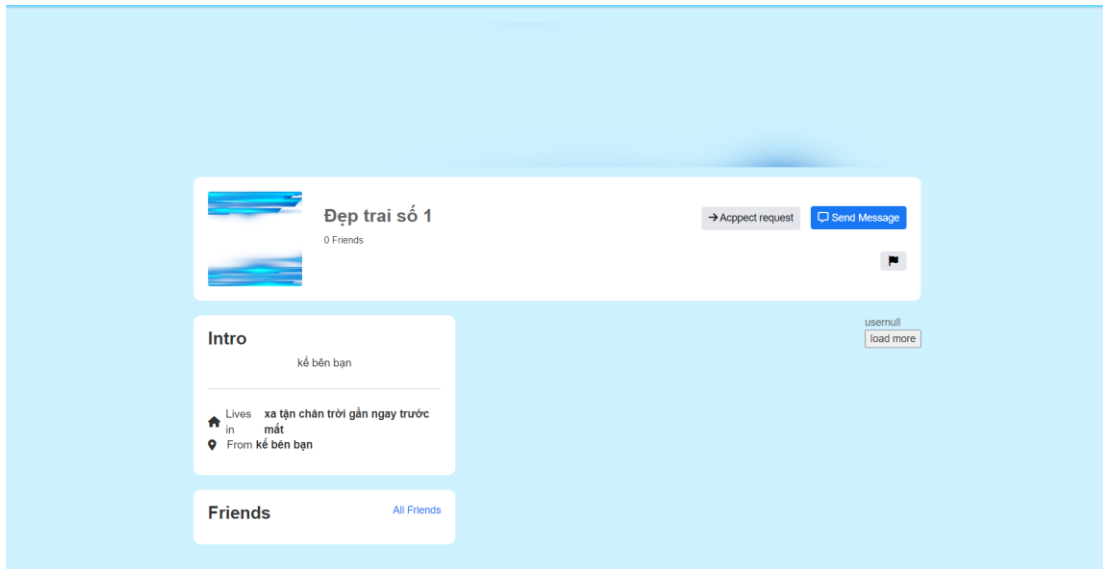
Now, in your notification dialog, you will see a notification stating that you have sent a friend request to the other user:



At that moment, the recipient of your friend request will also receive a notification indicating that they have received a friend request from you:



When the recipient clicks on that notification, they will be directed to your personal profile page:



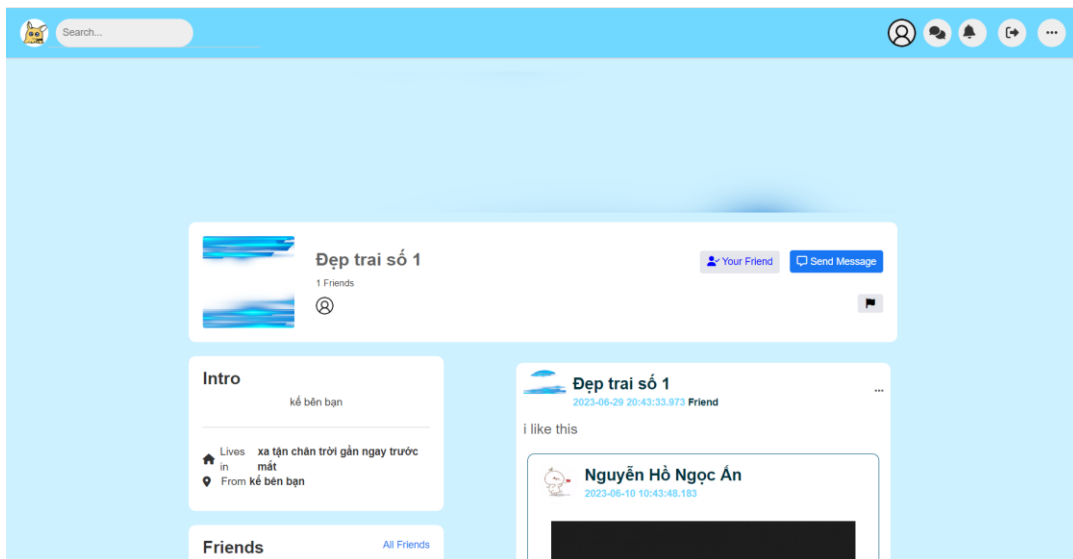
Here, please click on "Accept Request" to confirm and become friends.

→ Accept request

Now you have a new friend!!!

6.2.2 Delete Friend

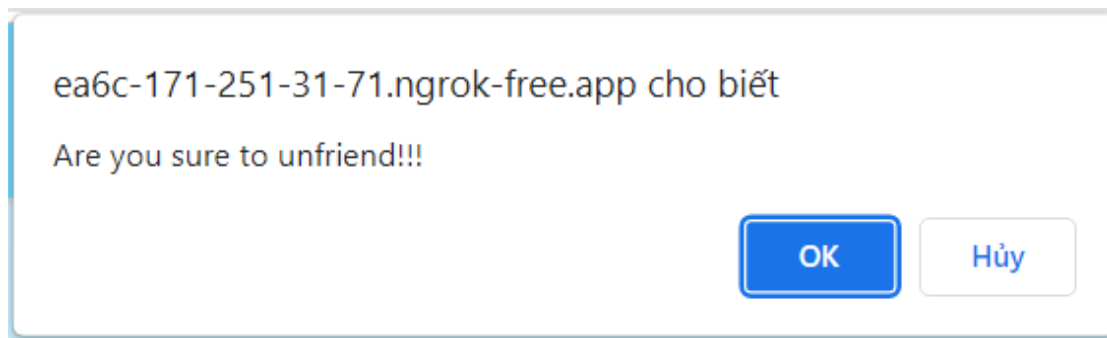
To unfriend someone, please navigate to your own personal profile page.:



Please click on the "Your Friends" button:

✓ Your Friend

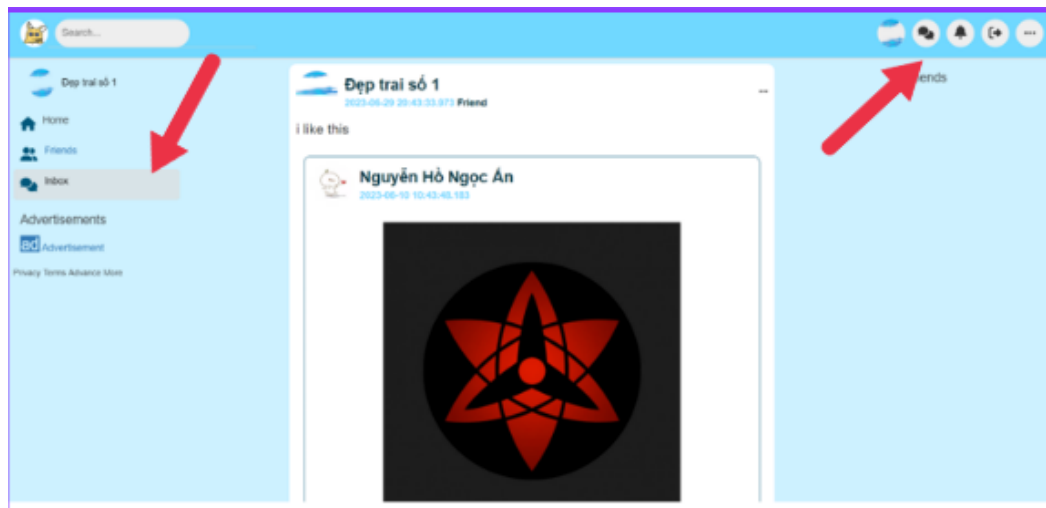
Here, a confirmation dialog box will appear asking if you want to unfriend or remove the friend connection.



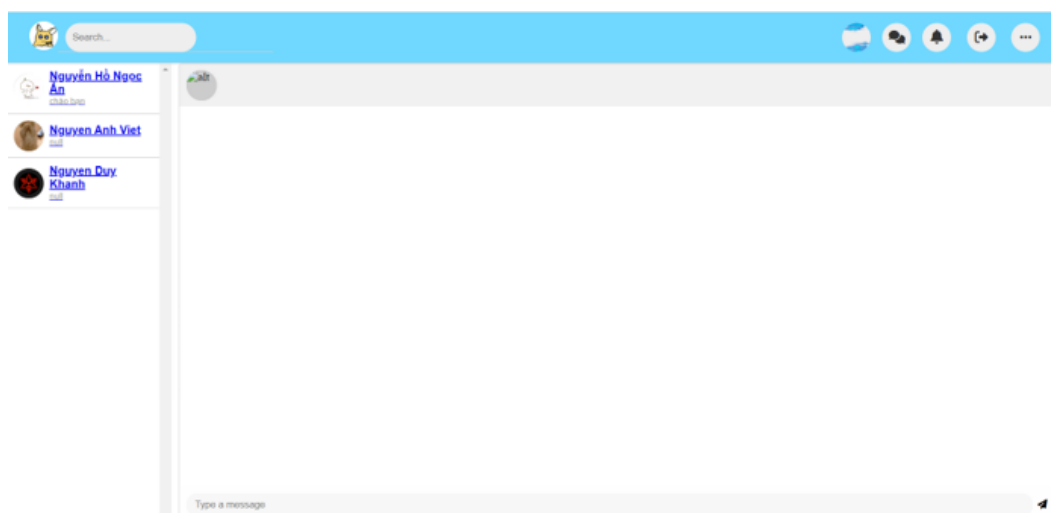
Select "OK" to unfriend or remove the friend connection.

6.3 Box chat

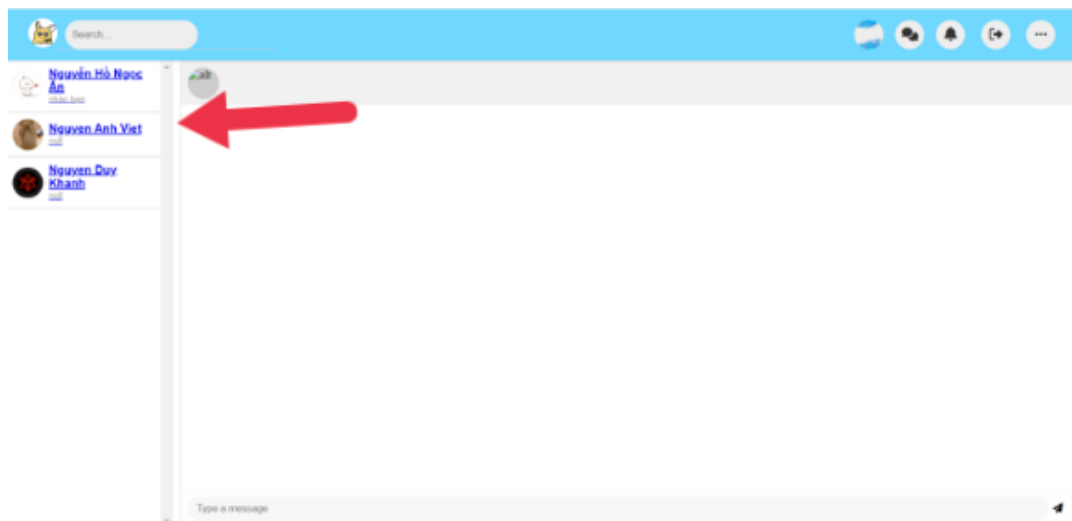
Click here to access the chatbox:



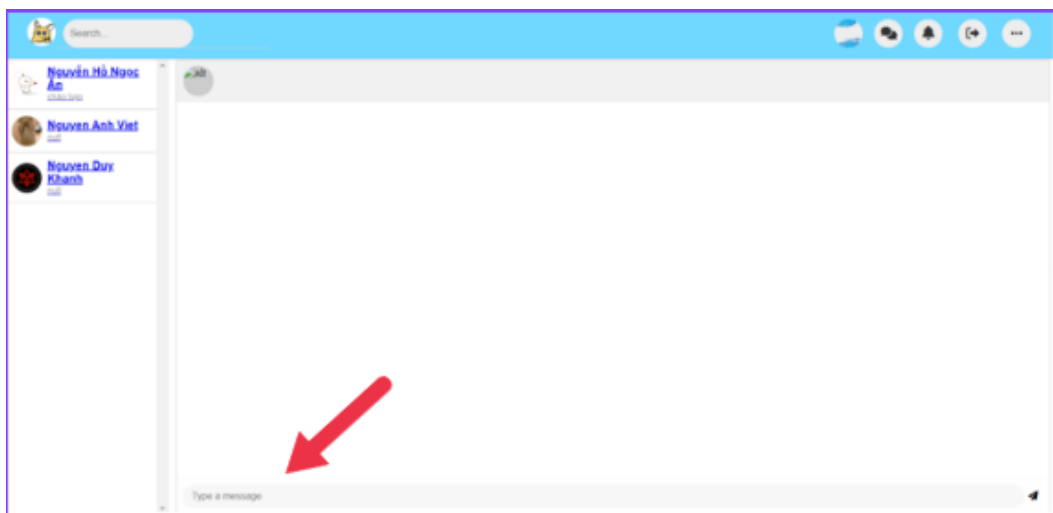
you will see the page of boxchat:



Select the friend you want to message:



Enter your message here:



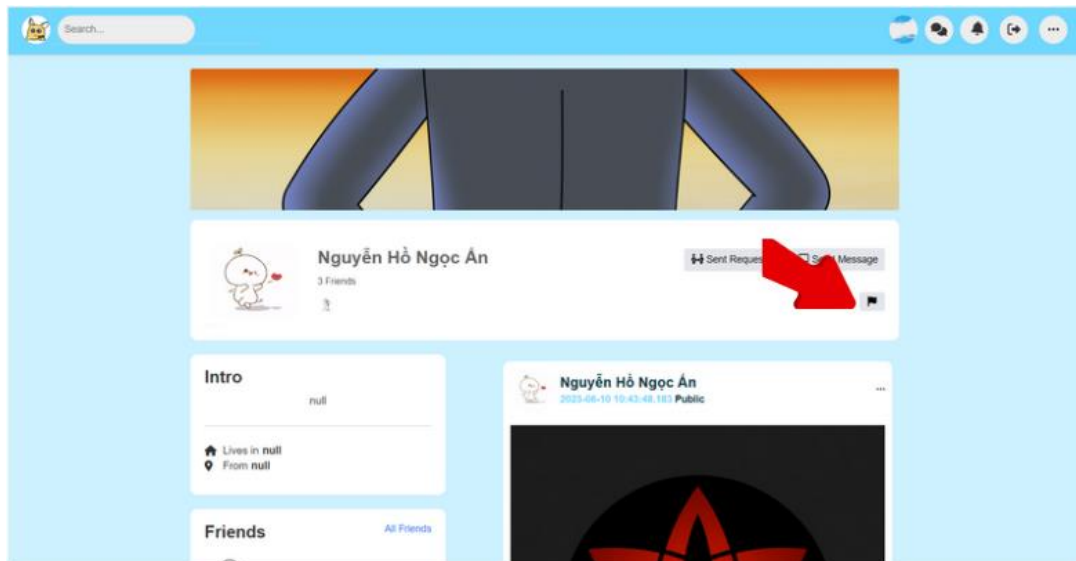
7. Reporting and Management

7.1 Description

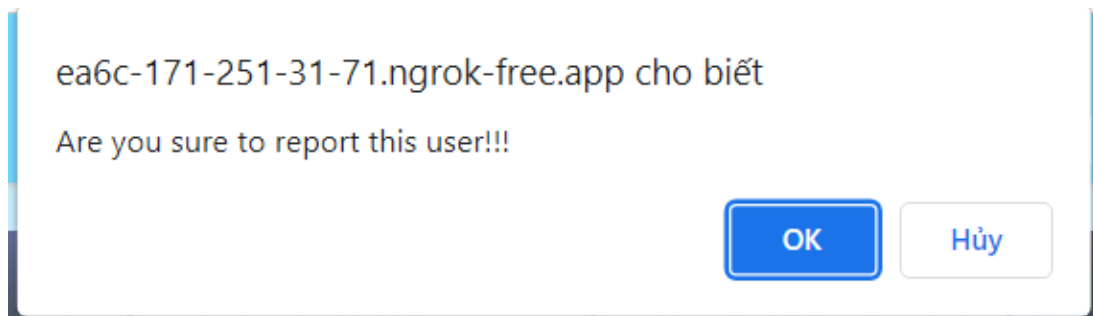
Reporting and Management is a module within the system that focuses on handling user reports, managing user accounts, and providing administrative functionalities. It encompasses functionalities related to user reporting, account management, and administrative tasks. Reporting and Management is of medium priority as it plays a crucial role in maintaining a safe and controlled environment, ensuring user compliance with community guidelines, and facilitating efficient platform management.

7.2 Report User:

At the profile page of another user, click on the flag icon to report that user.



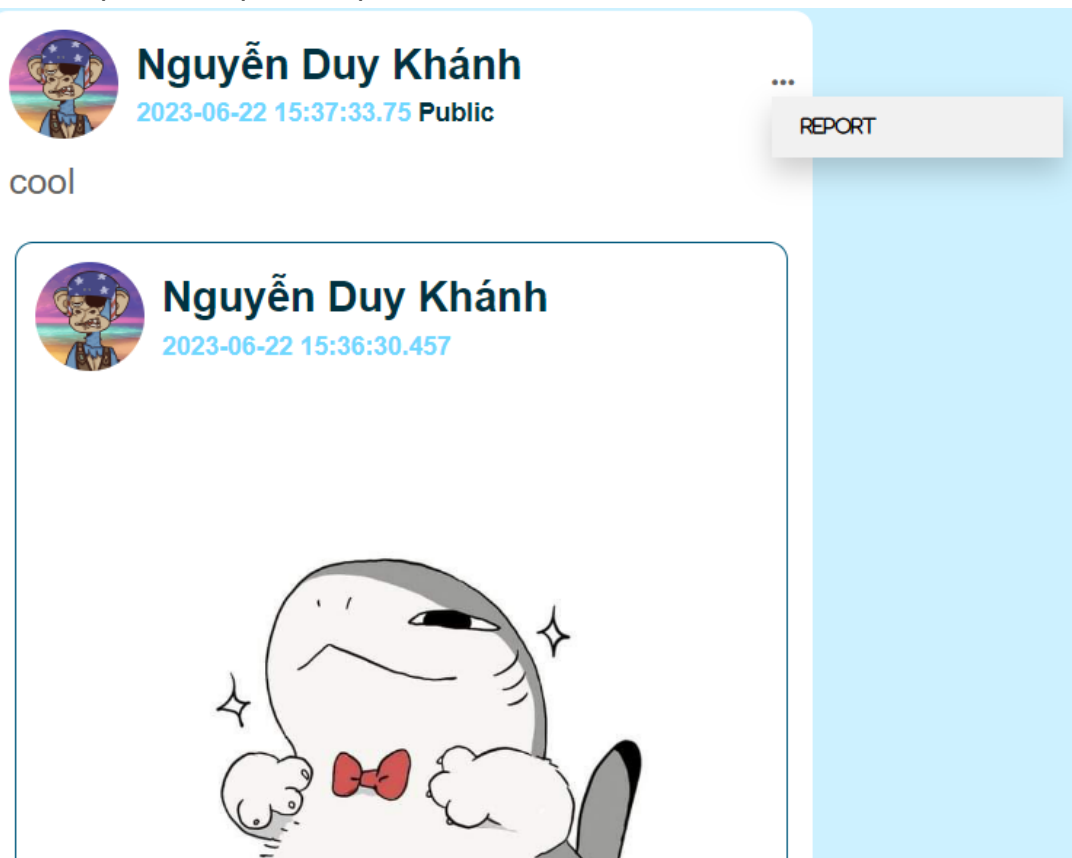
A confirmation dialog box will appear, asking if you want to report this user.



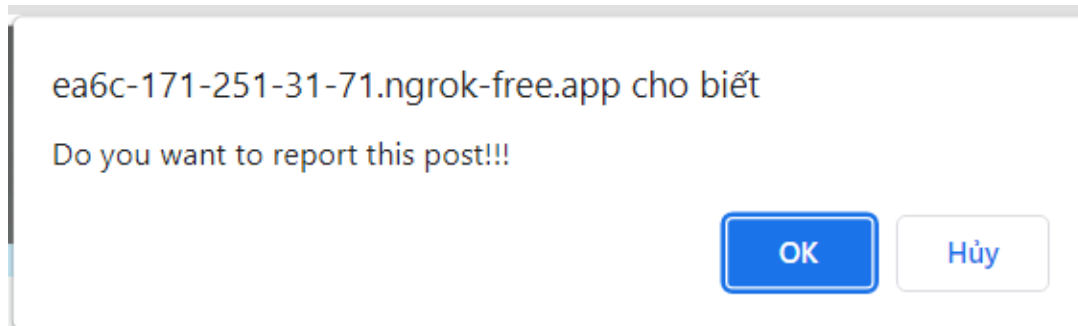
Click "ok" to report user!

7.3 Report Post:

At the top right corner of the post from another user, select the "... " button and choose "Report" to report the post



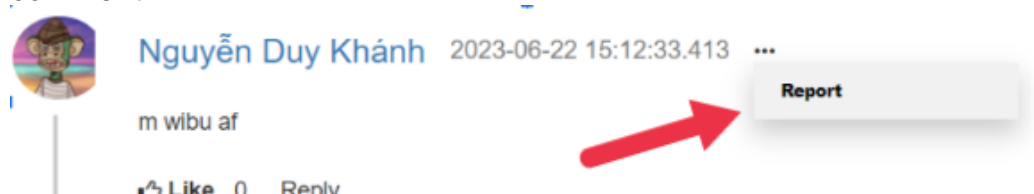
A confirmation dialog box will appear, asking if you want to report the post.



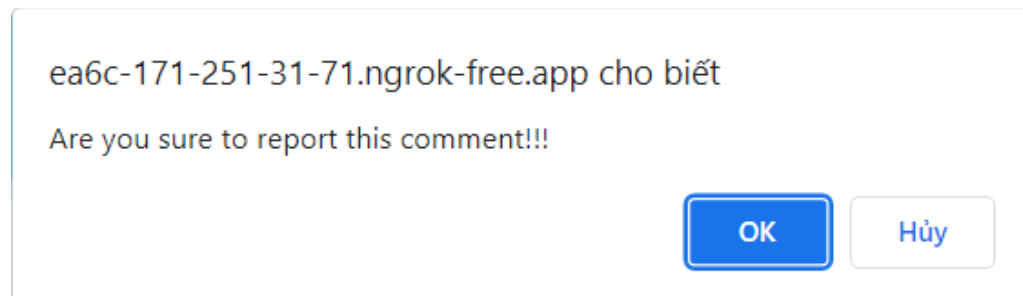
Click "ok" to report post!!

7.4 Report Comment:

At the comment section, select the "... " icon and choose "Report" to report the comment.



A confirmation dialog box will appear, asking if you want to report this comment.



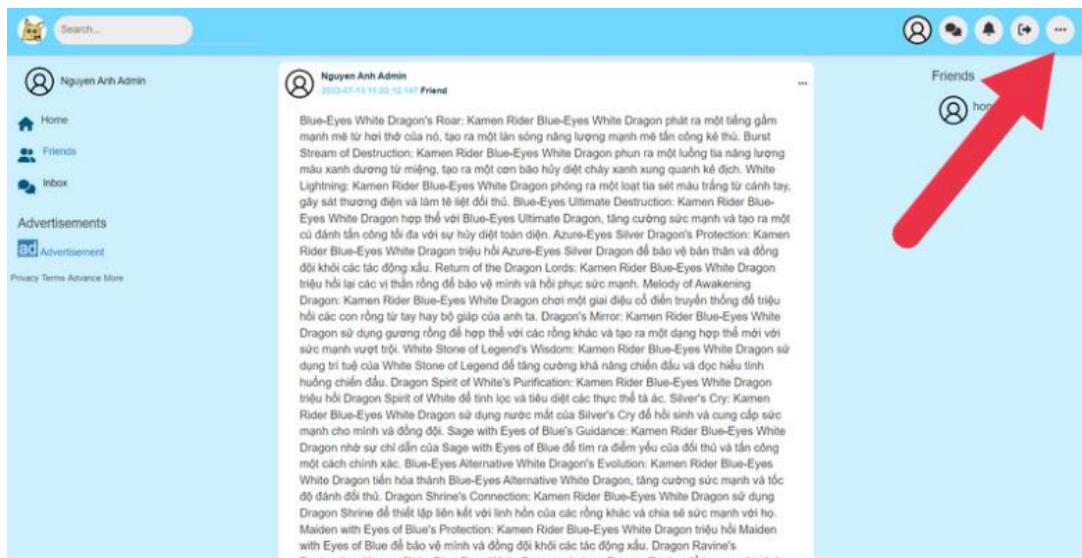
Click “ok” to report comment!!

8.Admin

8.1 *Description*

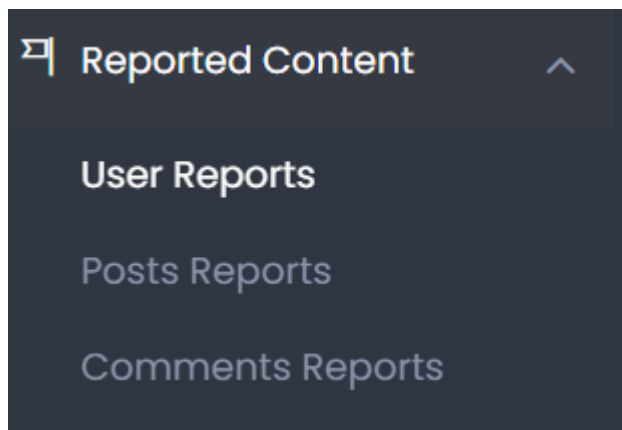
An admin account is a special user account with elevated privileges and authority within a system or platform. Admin accounts are typically responsible for overseeing and managing various aspects of the platform, such as user accounts, content moderation, and system settings. They have the ability to monitor and control user activities, handle reported content, enforce policies and guidelines, and ensure the smooth functioning of the platform. Admin accounts often serve as the point of contact for user support, addressing inquiries, resolving issues, and maintaining a safe and positive environment for all users.

You need to have an admin account to log in. In the admin's personal profile page, select the "... " icon at the top right corner to switch to the admin's page.



8.2 User report:




Select the "User Reports" section on the admin's page.



Here, click on the "+" icon to select the user that needs to be addressed.

Data Table Primary

Show entries Search:

Image	FullName	Account	Mail	PhoneNumber	Address	Number Reported Of Comment	Number Reported Of Post
	Nguyen Anh Viet	viet080702	van123872000@gmail.com	0384859541	Quảng Ngãi	4	1
	Nguyễn Hồ Ngọc Ân	ngocan0212	ngocan2002@gmail.com	null	Huế	3	1
	Nguyễn Duy Khánh	khanhdesu	khanhndde160504@fpt.edu.vn	null	Gia Lai	6	6

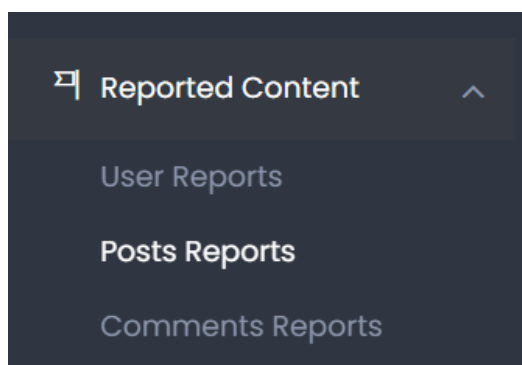
Number Reported of User 1

Action [Delete/Lock/Skip](#)

Showing 1 to 3 of 3 entries
[Previous](#)
[1](#)
[Next](#)

8.3 Posts report:


Select the "Posts report" section on the admin's page.



Here, click on the "+" icon to select the post that needs to be addressed.

Data Table Primary

Show entries Search:

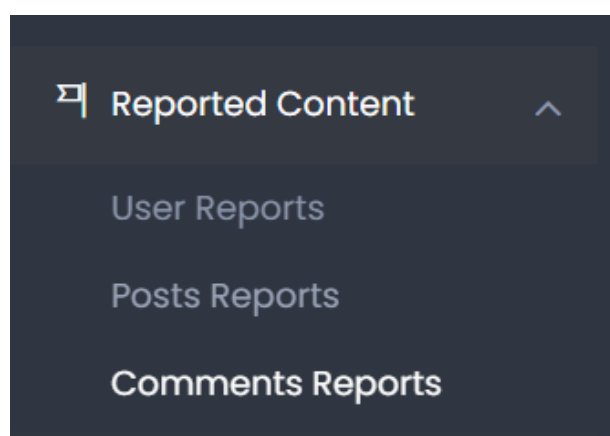
Image	Content	Report Number	Time
	Chuyện là hôm thứ 5 vừa rồi tôi có đi siêu thị. Vào khoảng tầm 8h15, khi tôi đang đi dạo quanh siêu thị thì thấy 1 nhóm người khả nghi đứng sau cửa nhìn vào tôi. Lúc đầu tôi chỉ nghĩ đó là tình cờ. Nhưng không, tôi đi đến đâu thì họ lại theo đến đấy. Và vào khoảng 8h30, khi tôi đang đi thang máy xuống tầng 1 để đi về thì tôi vẫn thấy họ ở phía sau. Tôi đã nhanh trí chụp lại những gương mặt có tổ chức phạm tội này. Tôi hy vọng mọi người hãy cẩn thận để đừng gặp trường hợp như tôi. Nếu có thể thì mọi người báo công an để bắt tội nó luôn nhé	1	2023-06-24

Showing 1 to 1 of 1 entries

Previous 1 Next

8.4 Comments report:

Select the "Comments report" section on the admin's page.



Here, click on the "+" icon to select the comment that needs to be addressed.

Data Table Primary

Show 10 entries

Search:

Image	Content	Report Number	Time
	mèo của bạn dễ thương quá	1	2023-06-21
Action Delete/Skip			
	dfasasdf	1	2023-06-21
	hello mọi người	1	2023-06-21
	cool	1	2023-06-22

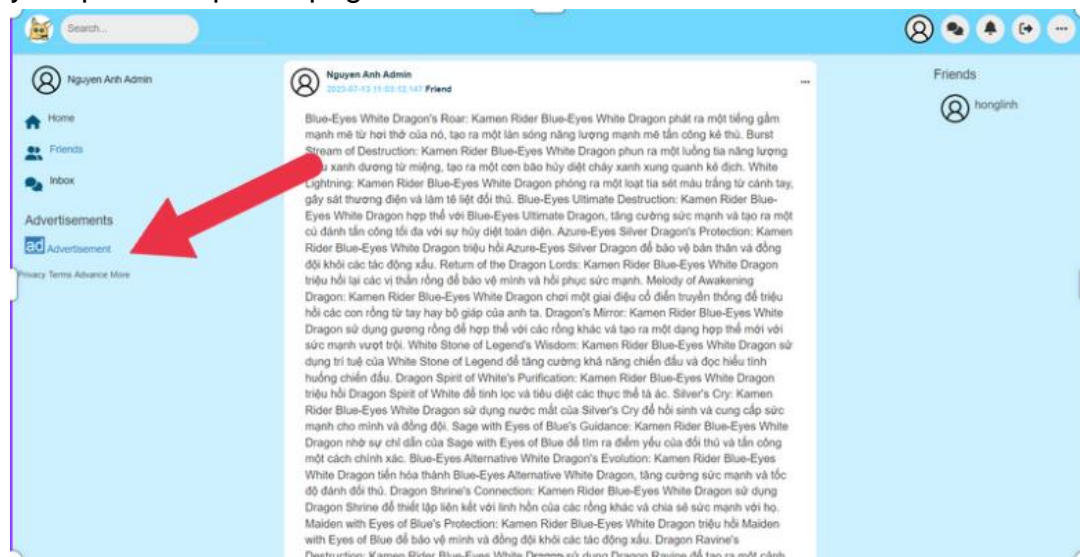
9. Advertising Hub

9.1 Description

The brand-building function provides users with tools to create advertisements based on their brand. Users can select the ad type, format, content, and images that align with their brand's message and style. This helps increase brand recognition and the ability to make an impact with user advertisements.

9.2 Create Brand:

To place an advertisement, you need to select the "Advertisement" section on your personal profile page.



A dialogue box requesting advertisement information will appear.

Create Your Brand

Brand Name:


Address:

Mail:

Phone:

Intro:

Avatar:

 Preview Image

Chọn tệp

Không có tệp nào được chọn

Save changes

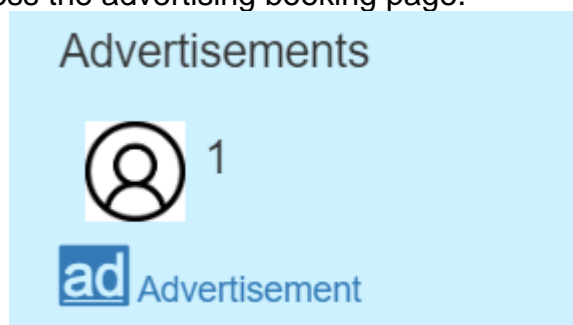
Close

Please provide the necessary information for the advertisement.
Select "Save" to save the advertisement.

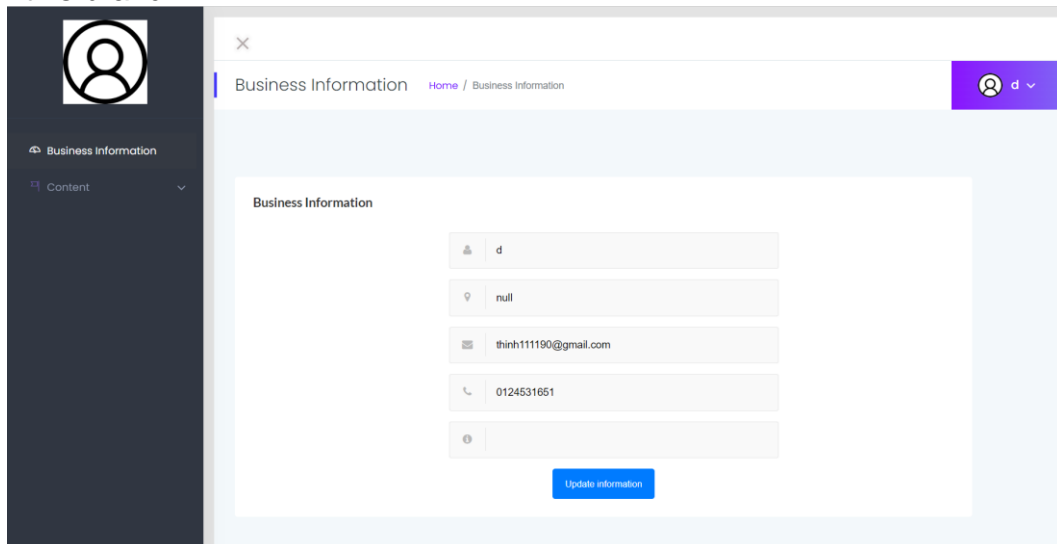
Save changes

9.3 Add ADS:

Select "Brand" to access the advertising booking page.

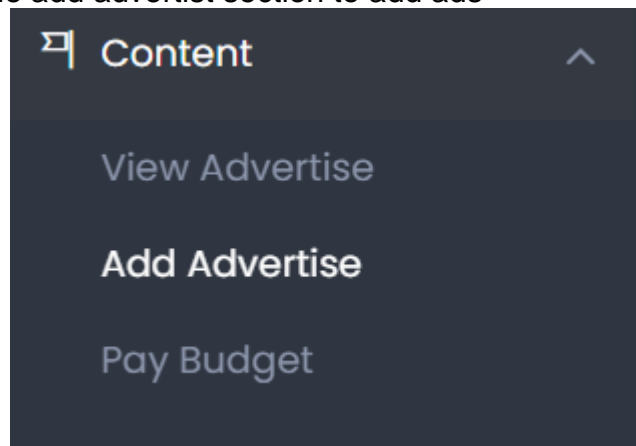


You will see a brand management page for managing advertisements under this brand.

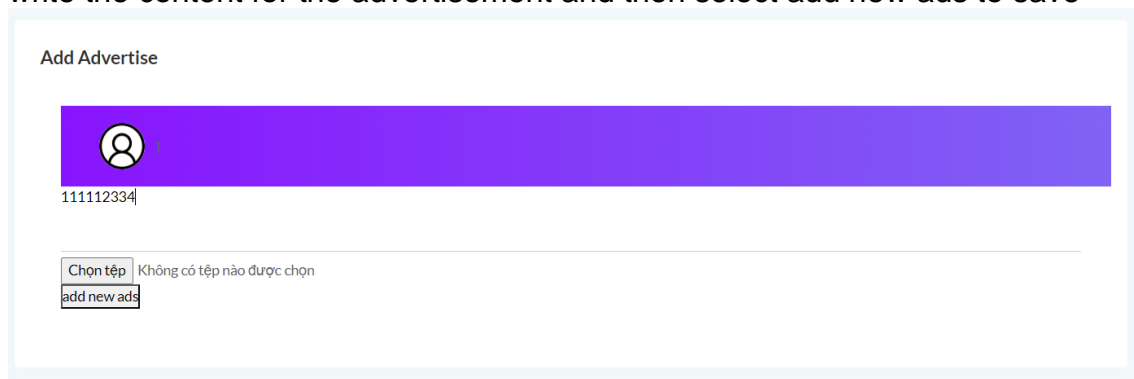


The screenshot shows a web application interface. On the left is a dark sidebar with a user profile icon and two menu items: 'Business Information' and 'Content'. The main area has a light blue header with a close button (X), the text 'Business Information', a breadcrumb 'Home / Business Information', and a user profile dropdown. Below the header is a 'Business Information' form with five input fields: a name field containing 'd', a location field containing 'null', an email field containing 'thinh111190@gmail.com', a phone field containing '0124531651', and an empty field with a question mark icon. A blue 'Update information' button is at the bottom right of the form.

User Select the add advertist section to add ads

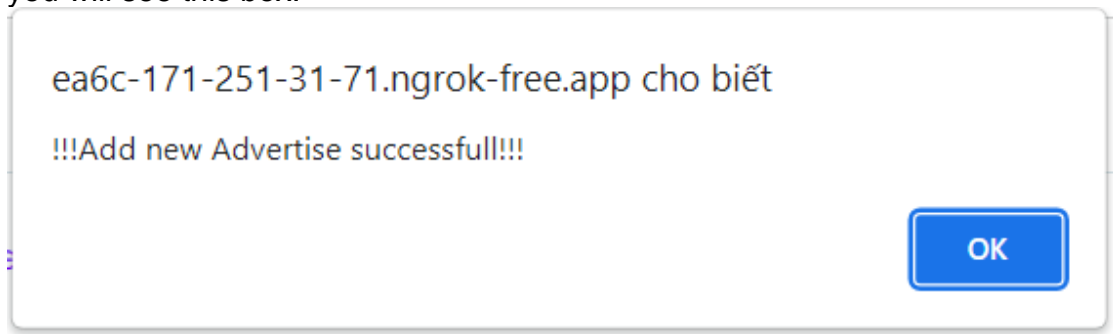


write the content for the advertisement and then select add new ads to save



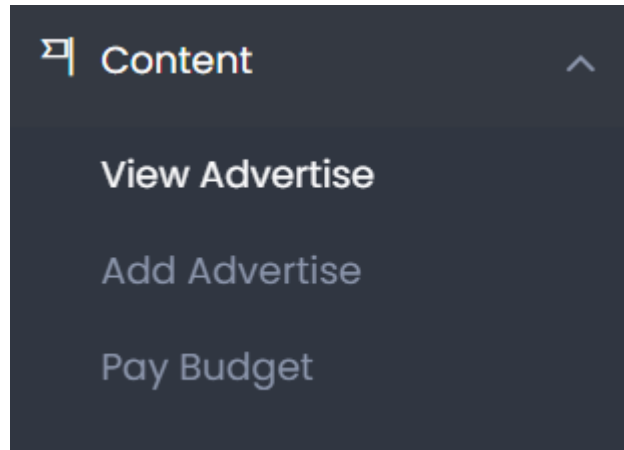
The 'Add Advertise' form features a purple header bar with a user profile icon and the number '1'. Below this is a text input field containing '111112334'. At the bottom, there is a file upload section with a 'Chọn tệp' button, the text 'Không có tệp nào được chọn', and a link labeled 'add new ads'.

you will see this box:



9.4 ConfirmADS

User Select the view advertiser section to view ads





Select post to push the ad up

List Advertise

Budget 0.0 \$

Show entries Search:

Image	Content	Number Interface	Quantity	Status
 	Không Có ?nh	111112334	0	0
inactive				
Action Post /View /Delete				


Showing 1 to 1 of 1 entries

[Previous](#) [1](#) [Next](#)

choose the number of times to advertise and click ongoing to start.

POST ADVERTISEMENT

Number quantity: 0

1

sponsored

111112334

Add more quantity:

Price: 0.15000000000000002\$

Pay

ongoing

Close

Now you will see:

ea6c-171-251-31-71.ngrok-free.app cho biết

ongoing successfull


OK

Hủy

choose the number of times to advertise and click inactive to end.

POST ADVERTISEMENT

Number quantity: 0

1

sponsored

111112334

Add more quantity:

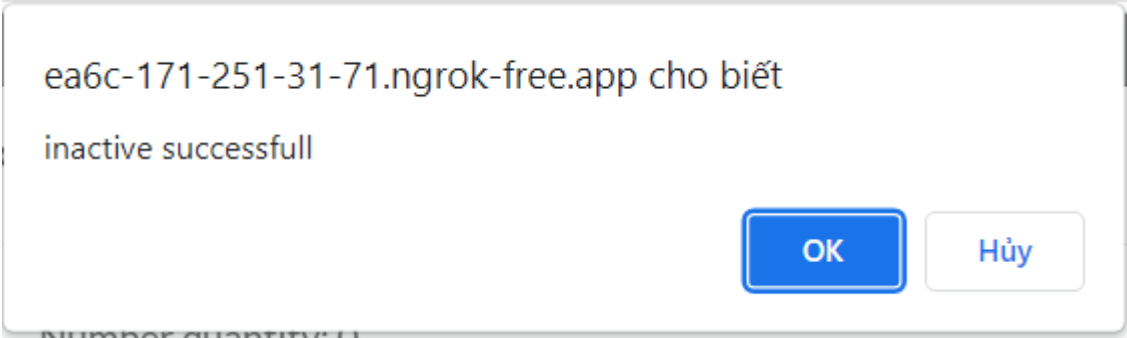
Price: 0\$

Pay

inactive

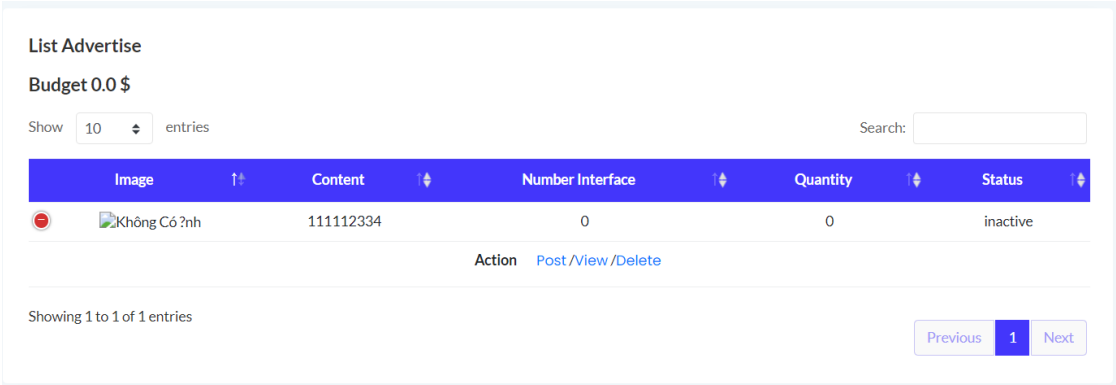
Close

now you will see:

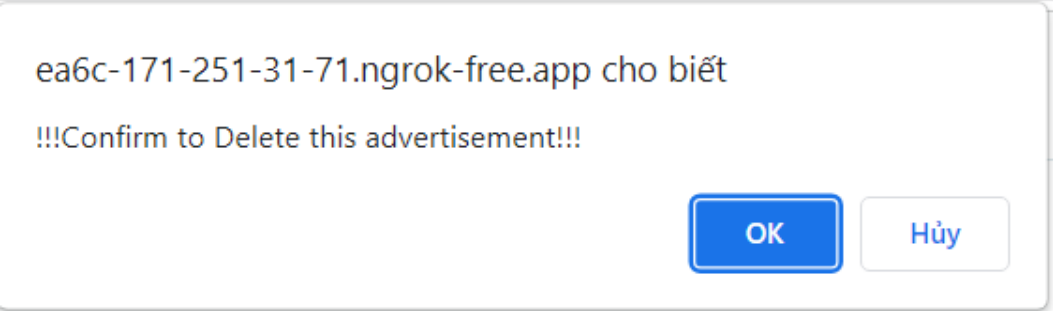


9.5 DeleteADS:

Select 'delete' to remove the advertisement section that needs to be deleted.



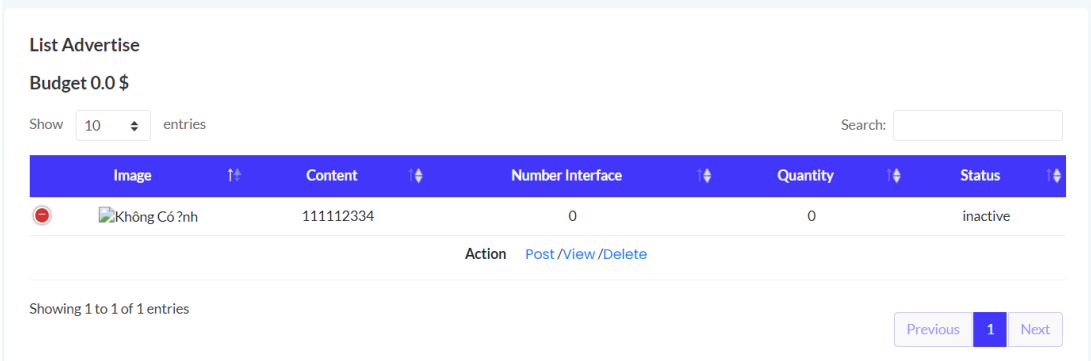
now, you will see:



click ok to delete ads.


9.6 ModifyADS:

Select 'view' to edit the ads.



Fill in the information that needs to be changed and then press 'save'.

Update ADS

1
111112334

Chọn tệp

Không có tệp nào được chọn

Clear File Input

Number quantity: 0

Save changes

Close

now you will see:

ea6c-171-251-31-71.ngrok-free.app cho biết

!!!Update new Advertise successfull!!!

OK

9.7 Pay Buget:

choose Pay Buget:

Content

View Advertise

Add Advertise

Pay Budget

Enter the amount to deposit:

Budget: : 0.0 \$

Please enter the amount you want to deposit into
your budget

\$ 200

PayPal

☐ Thẻ ghi nợ hoặc tín dụng

Được hỗ trợ bởi **PayPal**

choose paypal to pay!!