

Use Case Specification Document

Sekuri-Talk Website Development project

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1. Overall Description

[Instructions: In the section, provide a brief description of the services that the Sekuri-Talk website would provide once online]

Our website will have a user account system that allows users to register or log in and offers features like profile customization and password reset. The Explore Page shows trending topics, a location-based data display, and a search bar with filters. Favorite content can be bookmarked by users for later access. Navigation is made easier by the Back to Top feature, while Dark Mode provides automatic switching and customization. The Share Feature and FAQ section improve usability. Trending Now displays the most popular subjects at the moment, while Twitter Account Search makes it possible to find specific accounts. Trending issues and cybersecurity developments are brought about through an alert system. By leaving comments, users have the ability to join a group and work with a team on a specific interest related to cybersecurity. Currently, users would have to stream through platforms like Twitter and manually type and search each topic they would like to research, however there is no platform that focuses on topics in Cybersecurity and is able to host a specific site that allows users to return in order to see their bookmarked posts and tweets. This will provide ease to users who can organize their bookmarked posts and use this platform solely for the purpose of seeing trends that relate to the topic of Cybersecurtiy.

2. Users

[Instructions: In table given below, identify the users/actors and provide a brief description about each identified user and their intended use of website (i.e., what does this user do on a day-to-day basis in his/her job or home and what goals will the Sekuri-Talk website help each user achieve?)]

User	Description
Cybersecurity Analysts	Analysts will use this website to track and analyze trending cybersecurity topics in real-time.
Cybersecurity Agents/Specialists	Anyone working in Cybersecurity professionally will and should be aware of any news or trends that are relevant and pertain to cybersecurity in many different fields. A user such as them would be able to use this platform to increase their own knowledge about the current news and information being relayed on such sites that are related to Cybersecurity as a whole. It can also allow them to connect with other professionals in this field and communicate with them too in regards to this topic
Cybersecurity Educator	Educators can use trending topics for educational content and ability to filter discussions based on hashtags for teaching.

Regular Audience	Any person including those not in the professional field can benefit from a platform like Sekuri-Talk because they also might want to gain information trending and surrounding cybersecurity. As it is in relation to safety and world affairs, anyone can find interest in using a platform to learn about any cyber attacks, hacking and other useful information.
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3. Use Case Specifications

Each use case description should be provided under its own sub-section. Also, note that each use case should have a name (a verb phrase) and unique identifier (e.g., UC1, UC2, and so on).

3.1. Register for an Account - UC001 [Author Name: Yasmeen Shilbayeh]

Use Case Name:	Registration
Description:	Registration allows a new user to create an account on the website, granting them access to various features and functionalities. It enhances the user's experience by enabling them to interact with content, personalize their profile, and engage with the community.
Primary Actor(s):	New User
Trigger:	Actors want to register for the CyberHub Website and access and revisit their saved content and track their activity easily.
Precondition(s):	<ul style="list-style-type: none"> • The actor has access to the internet • The actor has browsed to the website to register for an account • The actor presses the registration button
Postcondition(s):	The actor successfully created an account to log into the system with their username, password and email anytime they want to open the website.
Success Scenario (or Normal Flow):	<ol style="list-style-type: none"> 1. The system displays the registration form, prompting the actor to input necessary information such as (username, last name, email, password, confirm password) that are mandatory fields (last name, profile photo) that are the optional fields 2. The actor fills out the registration form with valid information, then press the submit button 3. The system will check if <ol style="list-style-type: none"> a. All the required fields are filled b. The username starts with an uppercase character.

	<p>c. The username is unique and haven't been used before.</p> <p>d. The password can't exceed 26 characters long.</p> <p>e. The system will verify that the password meets security requirements such as checking if the password has a combination of uppercase letters, lowercase letters, numbers, and symbols.</p> <p>f. The system checks that the email address provided is not already associated with an existing account.</p> <p>g. The system validates that the email address provided by the actor follows a valid format (e.g., contains '@' and '.' in the right places).</p> <p>4. Once the account is created</p> <ol style="list-style-type: none"> the system will send a confirmation email to the actor after successful registration. The system verifies the email address and activates the actor's account. <p>5. System presents a confirmation screen informing the actor that the account has been successfully registered</p>
Alternative Courses:	<p><u>3a. The system detects that not all required fields are filled out.</u></p> <p>3a1. The system displays an error message indicating that all required fields must be filled out.</p> <p>3a2. The actor reviews the form to identify the incomplete fields.</p> <p>3a3. The actor fills out the missing information in the required fields.</p> <p>3a4. The actor attempts to submit the form again.</p> <p>3a5. The system verifies that all required fields are now filled out.</p> <p><u>3b. The system detects that the username does not start with an uppercase character.</u></p> <p>3b1. The system displays an error message indicating that the username must start with an uppercase character.</p> <p>3b2. The actor corrects the username by starting it with an uppercase character.</p> <p>3b3. The use case resumes at step 2.</p> <p><u>3c. The system detects that the username is not unique and has been used before.</u></p> <p>3c1. The system displays an error message indicating</p>

	<p>that the username is already taken.</p> <p>3c2.The actor chooses a different username.</p> <p>3c3.The use case resumes at step 2.</p> <p><u>3d. The system detects that the password exceeds the maximum length of 26 characters.</u></p> <p>3d1.The system displays an error message indicating that the password cannot exceed 26 characters.</p> <p>3d2.The actor shortens the password to meet the length requirement.</p> <p>3d3.The use case resumes at step 2.</p> <p><u>3e. The system detects that the password does not meet security requirements.</u></p> <p>3e1.The system displays an error message indicating the specific security requirements that the password must meet (e.g., include uppercase letters, lowercase letters, numbers, and symbols).</p> <p>3e2.The actor provides a password that meets the security requirements.</p> <p>3e3.The use case resumes at step 2.</p> <p><u>3f. The system detects that the email address provided is already associated with an existing account.</u></p> <p>3f1.The system displays an error message indicating that the email address is already in use.</p> <p>3f2.The actor provides a different email address.</p> <p>3f3.The use case resumes at step 2.</p> <p><u>3g. The system detects that the email address provided by the actor does not follow a valid format.</u></p> <p>3g1.The system displays an error message indicating that the email address format is invalid.</p> <p>3g2.The actor corrects the email address to follow a valid format.</p> <p>3g3.The use case resumes at step 2.</p> <p><u>4a. The system encounters an error while sending the confirmation email to the actor after successful registration.</u></p> <p>4a1.The system displays an error message indicating that there was a problem sending the confirmation email.</p> <p>4a2.The actor can choose to resend the confirmation email or contact support for assistance.</p> <p>4a3.The use case ends with the actor account created but not yet activated.</p>
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3.2. Login into Account - UC002 [Author Name:Yasmeen Shilbayeh]

Use Case Name:	Login
Description:	The login use case describes the process by which a registered user authenticates themselves to access their account on the system.
Primary Actor(s):	Registered user
Trigger:	The actor intends to access their account on the platform.
Precondition(s):	<ul style="list-style-type: none"> ● The actor is on the login page ● The actor has access to the internet and a device with a web browser. ● The actor navigates to the login page. ● The actor must provide the valid account registered on the system. ● The actor must know their login credentials (username/email and password).
Postcondition(s):	The actor is logged into their account and has access to the system's features and functionalities.
Success Scenario (or Normal Flow):	<ol style="list-style-type: none"> 1. Actor navigates to the login form, Then fills out necessary fields (username, last name, email, password, confirm password) then press the submit button 2. The actor fills out all mandatory fields in the login form. 3. The actor submits the login form by clicking the submit button. <ol style="list-style-type: none"> a. The system verifies that all mandatory fields (username, email, password, confirm password) are filled out by the actor. b. The system checks the provided username/email and password against the database for correctness. 4. If the provided username/email and password match the actor's records in the database: <ol style="list-style-type: none"> a. The system logs in the actor and grants access to the account. b. The actor is redirected to the dashboard or main page of the platform 5. If the credentials are invalid or do not match any active actor's account: <ol style="list-style-type: none"> a. The system displays an error message indicating that the login attempt failed. b. The actor may be prompted to re-enter their

	credentials or reset their password.
Alternative Courses:	<p><u>3b. The system detects that the actor types the incorrect password.</u></p> <p>3b1. The system displays an error message indicating that the password is incorrect.</p> <p>3b2. The actor can choose to reset the password by clicking on the "Forgot Password" button.</p> <p>3b3. The system guides the actor through the password reset procedure.</p> <p>3b4. The system typically involves sending a password reset link to the actor's registered email address.</p> <p>3b5. The actor follows the instructions in the email to reset their password.</p> <p>3b6. After successfully resetting the password, the actor can attempt to log in again with the new password.</p> <p>3b7. The use case resumes at step 3.</p> <p><u>4a. If the username/email and password credentials are invalid or do not match any active user account:</u></p> <p>4a1. The system displays an error message indicating that the login attempt failed.</p> <p>4a2. The actor may be prompted to re-enter their credentials or reset their password.</p>

3.3. Using Search Filters - UC003 [Author Name: Yasmeen Shilbayeh]

Use Case Name:	Search Bar/Filters
Description:	The search bar will prompt users to enter keywords or hashtags of their choice and search further topics using the hashtag and others co-related to it. Filters are part of the same interface, it enables refining search results based on specific criteria. Filters are available alongside the search bar.
Primary Actor(s):	Registered user
Trigger:	The actor begins typing in the search bar to find desired content making it easier for the actor to find what they need. The option to filter search results becomes available.

Precondition(s):	<ul style="list-style-type: none"> ● Actor has access to the internet ● Actor is on the homepage ● The user interface with the search bar and filters is accessible when the actor is logged in to their account. ● The search results and applied filters remain visible to the actor for further interaction or refinement.
Postcondition(s):	The search results are displayed based on the entered keywords or hashtags, along with any applied filters.
Success Scenario (or Normal Flow):	<ol style="list-style-type: none"> 1. Actor navigates to the search bar on the website. 2. Actor then enters a keyword or hashtag of interest. 3. As the actor types, suggested topics or hashtags dynamically populate based on the input. <ol style="list-style-type: none"> a. The system retrieves and displays search results related to the entered keyword or hashtag. b. system checks if that suggested topics or hashtags dynamically populate as the actor types. 4. Actor selects the desired keyword or hashtag from the suggestions or completes typing their query. <ol style="list-style-type: none"> a. system will check if it retrieves search results related to the entered keyword or hashtag. b. system verifies whether the typed keyword is among the topics available on the website. 5. Actor utilizes filters to refine the search results further if desired. <ol style="list-style-type: none"> a. system will check if it retrieves filter results related to the entered keyword or hashtag. b. The system updates the displayed results based on the applied filters .
Alternative Courses:	<p><u>1a. If the actor encounters any issues with the search bar (e.g., it doesn't respond to input)</u></p> <ol style="list-style-type: none"> 1a1. the system will prompt them to refresh the page and try again. 1a2.The use case resumes at step 1 <p><u>2a.If the actor experiences slow loading times for search results</u></p> <ol style="list-style-type: none"> 2a1. The system displays a loading indicator and informs the actor to wait temporarily. 2a2.The use case resumes at step 2

	<p><u>3a. If the suggested topics or hashtags fail to populate</u></p> <p>3a1. the actor can manually type in their request without relying on suggestions.</p> <p>3a2.The use case resumes at step 2</p> <p><u>3b. If the actor mistypes the keyword or hashtag</u></p> <p>3b1. the system prompts them with a suggestion or correction option to help refine the search.</p> <p>3b2.The use case resumes at step 3</p> <p><u>4a. If the actor's query returns no results</u></p> <p>4a1. The system provides suggestions or alternative search terms to expand the search.</p> <p>4a2.The use case resumes at step 3</p> <p><u>5a. If the actor applies filters that yield no search results</u></p> <p>5a1. the system displays a message indicating no matching results and suggests adjusting the filters.</p> <p>5a2.The use case resumes at step 3</p>
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3.4. Edit Profile - UC004 [Author Name: Yasmeen Shilbayeh]

Use Case Name:	Edit Profile
Description:	The actor can modify their profile account information
Primary Actor(s):	Registered user
Trigger:	<p>The actor accesses the profile editing interface.</p> <p>When a registered user accesses CuberHub website and navigates to the profile settings section with the intention of updating their personal information, changing their profile picture, or modifying their account settings. This action signifies the user's desire to make changes to their profile and starts the process of editing their profile information.</p>
Precondition(s):	<ul style="list-style-type: none"> ● The actor has access to the internet ● Actor is logged into their account ● The actor has access to the profile settings.
Postcondition(s):	The actor's profile information is updated according to the changes made by the actor "the user".

<p>Success Scenario (or Normal Flow):</p>	<ol style="list-style-type: none"> 1. The actor navigates to the profile settings. <ol style="list-style-type: none"> a. The system verifies that the actor has permissions to access the profile settings. 2. The actor selects the option to edit their profile. <ol style="list-style-type: none"> a. The system verifies that the profile editing feature is available and accessible. b. The system presents the actor with a form or interface displaying their current profile information. 3. The actor makes desired changes to their profile, such as updating personal details, changing profile picture, or modifying account settings. 4. Actor confirms the changes. <ol style="list-style-type: none"> a. The system makes sure the actor's changes follow the rules of formatting; for ex. the password can't exceed 26 characters , username should start with a capital letter. b. The system updates the actor's profile with the new information. c. The system verifies that the profile update operation was successful. 5. The system sends a confirmation message to the actor indicating successful profile update. 6. If the actor decides to cancel the profile editing process. <ol style="list-style-type: none"> a. The system confirms the cancellation and returns the actor to the previous page.
<p>Alternative Courses:</p>	<p><u>3a. If the actor attempts to save changes without making any modifications to their profile</u></p> <p>3a1. The system displays a message indicating that no changes were made and prompts the actor to confirm if they still want to proceed with saving the unchanged profile.</p> <p><u>4a. The system detects that the username is not unique and has been used before.</u></p> <p>4a1.The system displays an error message indicating that the username is already taken.</p> <p>4a2.The actor chooses a different username.</p> <p><u>5a. If the actor experiences an unexpected interruption (e.g., loss of internet connection) while editing their profile</u></p> <p>5a1. the system prompts them to either retry or navigate back to the previous page.</p>

	<p><u>6a. If the actor decides to cancel the profile editing process</u></p> <p>6a1. they can navigate back to the previous page without saving changes.</p>
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3.5. Bookmarking a Post - UC005 [Author Name: Yasmeen Shilbayeh]

Use Case Name:	Bookmarking a Post
Description:	The actor will bookmark and save tweets, creating a library of favorite tweets for future reference and later access. This will provide ease to users who can organize their bookmarked posts and use this page to refer back to posts that they want bookmarked.
Primary Actor(s):	Registered User
Trigger:	The actor sees a post that they want to organize and bookmark so that they can refer to it at any point of time.
Precondition(s):	<ul style="list-style-type: none"> • The actor has found a post on the site that they would like to bookmark and save for future reference. • The actor has access to the internet
Postcondition(s):	The bookmarked posts will be saved to their bookmarked/favorites page associated with their user account.
Success Scenario (or Normal Flow):	<ol style="list-style-type: none"> 1) The actor selects a particular post that they would like to bookmark. 2) The actor presses the bookmark button associated with the post. 3) The system <ol style="list-style-type: none"> a. verifies the actor is a registered user. b. verifies the actor's registration status. 4) The system automatically saves the active post to the actor's bookmarked page. 5) The actor navigates to their bookmarked section. 6) The actor is able to view the bookmarked post in their bookmarked section.
Alternative Courses:	<p><u>1a. If the post is deleted or archived in the future</u></p> <p>1a1.The system automatically deletes posts from the actor's bookmarked page if the post becomes inactive or is removed.</p> <p><u>3a. if the actor is not a registered user.</u></p> <p>3a1.the system will display a message prompting them</p>

	<p>to register an account in order to bookmark their favorite posts.</p> <p>3a2. Use case resumes at step 2</p>
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3.6. Integrate Twitter Account - UC006 [Author Name: Binal Dalia]

Use Case Name:	Integrate Twitter Account
Description:	The actor will have access to registered user accounts and be able to modify and manage their accounts, including integrating Twitter accounts. They will have more authorizations and access to modify changes and also assist with changes that need to be made. The admin cannot make changes to the user account unless given authorization by the user.
Primary Actor(s):	Registered actor
Trigger:	Actor wants to integrate their Twitter Account and link it with their CyberHub account.
Precondition(s):	<ul style="list-style-type: none"> ● The actor must be logged into the Administrator Portal. ● The actor must have a solid internet connection. ● The actor must be on the specific user's account page.
Postcondition(s):	Actor Twitter account is successfully linked to the cyberhub
Success Scenario (or Normal Flow):	<ol style="list-style-type: none"> 1. The actor initiates the process by clicking "Integrate Account" on the homepage. 2. The system checks and verifies the actor's CyberHub account and authorizes them to proceed with the integration. 3. The system displays options for the actor to select "allow/don't allow" permissions - to share posts, access email addresses, direct message, access followers, view tweets, and timelines. 4. The actor uses the switch toggle to select which permissions they wish to allow when linking their account with Twitter 5. The system checks the toggle inputs made by the actor and applies it to the integration process. 6. The actor clicks the "Join the Twitter" button 7. The system checks the input and verifies the Twitter account and integrates with the actor's CyberHub account.

Alternative Courses:	<p><u>1a. The system cannot verify the user account that the actor tried to access.</u></p> <p>1a1. The system will show a pop-up message saying "User Account Access Denied".</p> <p>1a2. The actor will be taken back to their Admin page.</p> <p>1a3. Use cases will continue from Step 1.</p>
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3.7. Create Data Graph - UC007 [Author Name: Binal Dalia]

Use Case Name:	Create Data Graph
Description:	The registered actor would like to see a Data Graph which is available in a few different formats that will allow users to view data surrounding Cybersecurity in a visual way with many filters as well.
Primary Actor(s):	Registered actor
Trigger:	Actor selects the option to create a data graph from the platform's interface
Precondition(s):	<ul style="list-style-type: none"> • The actor is logged into Cyber Hub, the platform where the data graph creation functionality is available. • The actor has access to data, which may include relevant metrics or analytics for visualization.
Postcondition(s):	Upon successful completion of the use case, a visual representation of the selected data is generated and displayed.
Success Scenario (or Normal Flow):	<ol style="list-style-type: none"> 1. The actor selects the "Create Data Graph" option. 2. The system verifies the actor's authentication and authorization to access the data graph creation feature. 3. The actor navigates to the data graph creation section, and the system ensures its accessibility and operational status. 4. The system checks the availability of the selected data types (Date, Data Source, Graph Type, Variable, and Category) in the system's database. 5. Before processing the chosen data, the system validates the actor's selections to ensure they meet the required parameters and criteria for graph creation. 6. After generating the visual graph, the system verifies that it accurately represents the selected data and adheres to the specified graph type. 7. The system checks for any errors or inconsistencies in

	<p>the generated graph and prompts the actor to review or adjust their selections if necessary.</p> <ol style="list-style-type: none"> 8. Once the graph is displayed to the actor, the system ensures that it is presented in a clear and understandable format, allowing for easy interpretation and analysis of the data. 9. The system displays a confirmation message indicating that the graph has been created successfully.
Alternative Courses:	<p><u>2a. Upon reaching the data graph creation section, the system fails to present options for selecting the type of data type to be graphed.</u></p> <p>2a1. The actor may attempt to refresh the page or navigate to a different section of the platform to resolve the issue.</p> <p>2a2. If refreshing the page or navigating to a different section does not resolve the issue, the actor may try again later.</p> <p>2a3. If the issue persists, the actor may report the problem to platform support for assistance.</p> <p>2a4. Once the technical issues are resolved, the actor can resume the data graph creation process from Step 3.</p>

3.8. Search For User Account- UC008 [Author Name: Binal Dalia]

Use Case Name:	Search for User Account
Description:	This use case enables administrators or support representatives to search for user accounts by entering identifying information facilitating efficient account management.
Primary Actor(s):	Administrator
Trigger:	The actor wants to initiate a search for a specific user account within the platform's interface.
Precondition(s):	<ul style="list-style-type: none"> • The actor is logged into the platform with appropriate administrative or support privileges. • The search functionality within the platform's interface is accessible and operational.
Postcondition(s):	Upon successful completion of the use case, the details of the searched user account are displayed to the actor.
Success Scenario (or Normal Flow):	<ol style="list-style-type: none"> 1. The actor initiates the search by selecting the "Search for user" option. 2. The system verifies the actor's account and grants

	<p>permission to use the search feature.</p> <ol style="list-style-type: none"> 3. After authentication, the system ensures the search bar is responsive to actor inputs. 4. Upon successful setup, the system displays the search bar for the actor to input the username. 5. The actor inputs the username and submits the search. 6. The system verifies the availability and accuracy of the requested data in the database. 7. Once validated, the system displays the profile details and followers of the searched user. 8. If the actor selects the option to exit, the system smoothly transitions from the search screen, confirming the successful completion of the search.
Alternative Courses:	<p><u>1a. The system encounters technical difficulties and fails to authenticate the actor, resulting in the unavailability of the "Search for user" option.</u></p> <p>1a1. The system displays an error message indicating the technical issue and advises the actor to try again later.</p> <p>1a2. The actor may attempt to refresh the page or log in again to resolve the authentication issue.</p> <p>1a3. If the problem persists, the actor may contact platform support for further assistance.</p> <p><u>2a. The system experiences a malfunction in the search bar functionality, preventing actors from inputting search queries.</u></p> <p>2a1. The system displays an error message indicating the malfunction and advises the actor to try refreshing the page.</p> <p>2a2. The actor may attempt to navigate away from the search page and return to it to see if the functionality has been restored.</p> <p>2a3. If the issue persists, the actor may report it to platform support for resolution.</p> <p><u>3a. The system encounters errors in retrieving the requested user's profile details and followers from the database.</u></p> <p>3a1. The system displays an error message indicating the data retrieval issue and advises the actor to try again later.</p> <p>3a2. The actor may attempt to search for a different user or perform other actions on the platform while waiting for the issue to be resolved.</p> <p>3a3. If the problem persists, the actor may report it to platform support for investigation and resolution.</p>

3.9. Create A Post- UC009 [Author Name: Binal Dalia]

Use Case Name:	Create a post
Description:	This use case involves the process of creating a new post within the platform or application.
Primary Actor(s):	Registered user
Trigger:	The actor decides to share new content by creating a post on the platform.
Precondition(s):	<ul style="list-style-type: none"> ● the actor is logged into the platform. ● The platform's posting functionality is available and operational. ● The actor has necessary permission to create posts.
Postcondition(s):	Upon successful completion of the use case, The new post successfully publishes and becomes visible to other users on the platform.
Success Scenario (or Normal Flow):	<ol style="list-style-type: none"> 1. The actor clicks on the "New Post" button on their page to create a post. 2. The system checks the actor's authentication and authorization to create a post by checking their login credentials and access permissions. 3. The actor is prompted to either enter text, attach a photo and/or attach a video to their post. 4. The system checks that the post content is valid and meets character requirements before allowing actor to click "Post" 5. The actor reviews the post content before submission and submits the post. 6. The system checks for any errors or inconsistencies in the data entered by the actor to prevent corrupt or incomplete entries from being saved to the database. 7. The system processes the post and stores it in the database and posts the content to the actor's page. 8. The system displays a dialogue message saying "Post Successfully posted" and adds post to the actor's page.
Alternative Courses:	<p><u>4a. The system encounters technical difficulties during the final validation process, preventing it from detecting errors or inconsistencies in the post data.</u></p> <p>4a1. The system displays an error message indicating a problem with post validation.</p> <p>4a2. The actor may attempt to re-submit the post after refreshing the page or navigating to a different section.</p> <p>4a3. If the issue persists, the actor may contact platform support for assistance.</p> <p>4a4. The use case resumes from Step 4 once the technical issues are resolved.</p>

3.10. Chat with a Service Agent - UC010 [Author Name: Binal Dalia]

Use Case Name:	Chat with a Service agent
Description:	This use case involves the process of initiating and conducting a chat conversation with a service agent within the CyberHub website. The user can begin a conversation about any assistance they need regarding the CyberHub site.
Primary Actor(s):	Registered User
Trigger:	The actor encounters an issue or requires assistance and decides to initiate a chat with a service agent
Precondition(s):	<ul style="list-style-type: none"> ● The actor is logged into the platform ● The chat functionality is accessible and operational ● There are service agents available to handle the chat requests.
Postcondition(s):	After successfully completing the use case, the actor receives the necessary assistance or information from the service agent.
Success Scenario (or Normal Flow):	<ol style="list-style-type: none"> 1. The actor navigates to the "More" section within the homepage or selects the "Chat with service agent" option. 2. The system checks the actor's authentication and authorization before granting access to the requested section. 3. The system checks the availability of service agents, and ensures the proper functioning of the chat interface. 4. The actor inputs the inquiry/issue, including login account details, into the chat box. 5. The system validates the message format and content before allowing the actor to send it to the service agent. 6. After sending the chat message, the system notifies the service agent about the incoming chat request and assigns the chat to her, ensuring proper routing of the communication. 7. Service agent responds to the actor's chat, providing assistance or information, including the temporary password. 8. The system checks that the service agent's response is delivered promptly and accurately to the actor. 9. The system verifies that the service agent has sent the temporary password to the actor, ensuring that the necessary information is provided to resolve the issue. 10. The actor retrieves the temporary password from their

	email and successfully logs in to their account, concluding the resolution of the issue.
Alternative Courses:	<p><u>6a. If the temporary password is not delivered to the actor's email account:</u></p> <p>6a1. The system notifies the actor of the delay in sending the temporary password and advises them to check their email inbox periodically.</p> <p>6a2. The actor may choose to wait for the email delivery or request a resend of the temporary password.</p> <p>6a3. If the email delivery issue persists, the actor may contact platform support for assistance in resolving the issue.</p>

3.11. Share a Post - UC011 [Author Name: Eka Swamy]

Use Case Name:	Share a Post
Description:	The user will be able to share a specific post from the Cyberhub site to other user accounts and platforms such as Instagram, Twitter, Whatsapp, Share Link, etc.
Primary Actor(s):	Registered Users
Trigger:	The actor finds a post that they would like to share to another registered user or platform.
Precondition(s):	<ul style="list-style-type: none"> ● The actor must have solid internet connection ● The actor is logged into their user account on the site. ● The actor has found a post on the site that they would like to share. ● The receiving user account must be an active account
Postcondition(s):	The post will be shared to another actor or shared on their platform of choice.
Success Scenario (or Normal Flow):	<ol style="list-style-type: none"> 1. The actor has found the post that they wish to share to another user account or platform. 2. The system will check to verify the user account after the actor has logged in. 3. The actor will click the share button associated with the post they have chosen. 4. The system will check the post to make sure it is active and shareable. 5. The system will display the post isolated on another

	<p>tab.</p> <ol style="list-style-type: none"> 6. The actor will again click the share button and see the menu below that displays share options. 7. The system will prompt the actor to select the user account that they would like to share the post to or have them select which platform they would like to share the post to. 8. The actor will then click the user account or platform and click on the icon they choose. 9. The system will check the receiving user account and send the post to the user account or open the platform that they chose. 10. The system will display a dialogue box that will state “Post Shared Successfully”
Alternative Courses:	<p><u>6a. System cannot verify the receiving user account</u></p> <p>6a1. Actor selects a user account to share the post too. 6a2. The system checks and cannot verify that the user account is active. 6a3. System will show label “User account not found” 6a4. Actor will choose another user account to send the post to. 6a5. Use case resumes at Step 4.</p> <p><u>4a. System cannot validate the post that has been selected</u></p> <p>4a1. Actor has clicked on a post that is not active anymore 4a2. The system checks and displays a message stating, “Post has been archived or deleted. Post cannot be shared” 4a3. The actor presses the “ok” button 4a4. Use case resumes at step 3.</p>

3.12. Block User Accounts - UC012 [Author Name: Eka Swamy]

Use Case Name:	Block User Accounts
Description:	This use will allow users to block other user accounts of their choice. If the user wants to stop someone from sending them messages or message requests, and prevent them from viewing the actor's profile, the user can block that person. The user can always go back and view their blocked list in the future.

Primary Actor(s):	Registered Users
Trigger:	The actor wants to block notifications and access from another user account and would like to block their account from
Precondition(s):	<ul style="list-style-type: none"> ● The actor must have solid internet connection ● The actor is logged into their user account on the site. ● The actor has identified the user account that they would like to block
Postcondition(s):	<ul style="list-style-type: none"> ● The actor will have successfully blocked the other user account ● The system will add that user account to their blocked list ● The system will never display any possible interactions with that user account unless action is reversed.
Success Scenario (or Normal Flow):	<ol style="list-style-type: none"> 1. The actor has selected the user account that they wish to block. 2. The system checks to verify that the user account that has been selected is active. 3. The actor clicks the more button on the menu options and clicks the button stating “Block User Account” 4. The system checks the action and will ask the actor “Are you sure you want to block ‘User Account Name’?” 5. The actor will click “Block” and that user account will be blocked. 6. The system checks the action and authorizes the block of the user account. 7. The system will add this blocked user to the actor’s blocked list in the database.
Alternative Courses:	<p><u>4a. The actor does not click the “Block” button when the system asks.</u></p> <p>4a1. The system checks the action and will ask the actor “Are you sure you want to block ‘User Account Name’?”</p> <p>4a2. The actor will click “Cancel” and that user account will not be blocked.</p> <p>4a3. The system will check the action and take the user back to the user’s account</p> <p>4a3. The actor can return back to their explore page and can choose another user account to block</p> <p>4a4. Use case will continue from Step 1</p> <p><u>2a. The system checks the user account and verifies that the account is not active.</u></p>

	<p>2a1. The system reads a dialogue box stating “User Account unable to block”</p> <p>2a2. The actor is returned back to the user’s profile</p> <p>2a3. Use case resumes at step 1</p>
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3.13. Manage User Accounts - UC013 [Author Name: Eka Swamy]

Use Case Name:	Manage User Accounts
Description:	The administrator will have access to registered user accounts and be able to modify and manage their accounts. They will have more authorizations and access to modify changes and also assist with changes that need to be made. The administrator cannot make changes to the user account unless given authorization by the user.
Primary Actor(s):	Administrator
Trigger:	The administrator needs to access a user account to make a change or modify some preferences on their account that the user themselves cannot change.
Precondition(s):	<ul style="list-style-type: none"> ● The actor must be logged into the Administrator Portal ● The actor must have solid internet connection ● The actor must be on the specific user’s account page.
Postcondition(s):	The actor has successfully accessed the user’s profile and been able to make the certain changes and modifications as needed.
Success Scenario (or Normal Flow):	<ol style="list-style-type: none"> 1. The actor will scroll on the Cyberhub website and click the Admin button on the bottom left corner 2. The system will check and authorize the login for the actor. 3. The actor will click on the user profile they are choosing to access 4. The system checks and verifies the actor’s account and authorizes them to navigate through the user’s account. 5. The system will showcase an ADMIN menu that displays different access buttons to the user’s account such as activity, following, followers, history and admin account and search for users on the right side bar. 6. The actor will then press the “Edit” button to access the user account. 7. The system will check and authorize the “Edit” Mode

	<p>for the actor to access</p> <ol style="list-style-type: none"> 8. The actor will click one of the buttons such as history and be prompted to see the user's recent search history. 9. The actor will switch the toggles left and right to edit which searches they want to save/delete to the user's account. 10. The actor will then click the save button on the user's page and save the changes made. 11. The system will check the changes made to the user's history and verify they are changeable. 12. The system will record all changes made to the user's Cyberhub account.
Alternative Courses:	<p><u>2a. The system cannot verify the user account that the actor tried to access</u></p> <p>2a1. The actor will open a user account that they wish to navigate through.</p> <p>2a2. The actor will click the "Edit" button on the user's account page.</p> <p>2a3. The system will check the user account trying to be accessed.</p> <p>2a4. The system will show a pop-up dialogue message saying "User Account Access Denied"</p> <p>2a5. The actor will be taken back to their Admin page.</p> <p>2a6. Use case will continue from Step 1</p> <p><u>5a. The system cannot accept the changes made when the actor clicks "Save"</u></p> <p>5a1. The actor will make their edits on the user's account and click the "Save" button to save the changes made to the user profile.</p> <p>5a2. The system will check the modifications and will prompt the admin through a dialogue stating "Please check submission again. Changes cannot be made."</p> <p>5a3. The actor will recheck their submission and the changes made and fix them.</p> <p>5a4. Use case will continue from step 6</p> <p><u>10a. The actor has not made any changes to the history and cannot save when "Save" is clicked</u></p> <p>10a1. The actor will press the "Edit" button to access the user account.</p> <p>10a2. The system will check and authorize the "Edit" Mode for the actor to access</p> <p>10a3. The actor will click the history button from the menu options and be prompted to view and edit the</p>

	<p>user's recent search history.</p> <p>10a4. The actor will not switch the toggles left and right to edit which searches they want to save/delete to the user's account.</p> <p>10a5. The actor will then click the save button on the user's page and save the changes made.</p> <p>10a6. The system checks the changes made and displays a message saying "No changes were made. Do you wish to continue"</p> <p>10a7. The actor presses the "yes" button and continues on the admin portal</p> <p>10a8. Use case will resume at step 3.</p>
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3.14. Creating Group Chats - UC014 [Author Name: Eka Swamy]

Use Case Name:	Creating Group Chats
Description:	Registered Users will be able to create group chats if they wish based on different topics and trends in common with other users. They will be able to chat, share posts, and communicate using these chats.
Primary Actor(s):	Registered Users
Trigger:	A user would like to create a group chat with other users who share similarities consistent with a specific topic or trend on the site
Precondition(s):	<ul style="list-style-type: none"> ● The actor must have a active user account ● Actor must have solid internet connection ● Actors must be following the users that they wish to create these group chats with.
Postcondition(s):	<ul style="list-style-type: none"> ● The actor will be able to chat, share posts, and communicate with those in the group chat that was just made. ● They can continue to make new group chats as they wish.
Success Scenario (or Normal Flow):	<ol style="list-style-type: none"> 1. The actor is viewing their Home Page and will click on the "Group Chat" button on the right side of the site once they are logged in. 2. The system checks their account and navigates the user to that "Group Chat" page. 3. The actor will click the "Group Chat" button on the bottom of the screen which allows them to create group chats. 4. The system will showcase suggestions on who to add

	<p>to the chat as well as their most recent active status ie: 1d ago, 20 min ago, etc.</p> <ol style="list-style-type: none"> 5. The actor can type in the username of the user accounts to search for users they wish to add to the chat. 6. The actor will select the users they wish to add and click the “Create Group Chat” button. 7. The system will check the selected accounts to make sure they are active and a part of the actors’ following. 8. The system will prompt the actor in a dialogue box to input a group chat name that states “Group Chat Name?” 9. The actor will type in a Group Chat Name and click the “Save Button” 10. The system will check the entry and add the selected user accounts into a group chat. 11. The system will show a message stating “Group Chat Successfully Made!”
Alternative Courses:	<p><u>3a. The chat could not be created as the actor is not following the user account they wish to add to the chat.</u></p> <p>3a1. The actor types in a user account and clicks the “select” button to add them to the chat.</p> <p>3a3. The system displays a dialogue stating, “The user account you are trying to add is not in your following. Please follow this account to add to a group chat”.</p> <p>3a3. The actor presses the “ok” button</p> <p>3a4. The actor navigates to the user’s account and clicks the “follow” button.</p> <p>3a5. The system checks that this account is public and adds it to the actor’s following list.</p> <p>3a6. Use case resumes at Step 5</p> <p><u>7a. The actor does not have any following/followers associated with their user account.</u></p> <p>7a1. The actor types in a user account and clicks the “select” button to add them to the chat.</p> <p>7a2. The system checks the user account displays a dialogue stating, “No Following Accounts associated with your user account”</p> <p>7a3. The actor is automatically directed back to their homepage</p> <p>7a4. The actor navigates to the user’s account and clicks the “follow” button.</p> <p>7a5. The system checks that this account is public and adds it to the actor’s following list.</p> <p>7a6. Use case resumes at Step 5.</p>

3.15. Provide Website Feedback - UC015 [Author Name: Eka Swamy]

Use Case Name:	Provide Website Feedback
Description:	Registered users will be able to provide feedback on the website at the bottom of their Account Page. They will be prompted to fill out a survey and fill out any suggestions and feedback they have in regards to the website usability.
Primary Actor(s):	Registered User
Trigger:	The actor wants to give feedback on the site due to any hardship while using the site, or any praise they have.
Precondition(s):	<ul style="list-style-type: none"> ● The actor must have solid internet connection ● The actor must be logged into the site using their credentials
Postcondition(s):	The actor has successfully completed the feedback form and sent their response to the system.
Success Scenario (or Normal Flow):	<ol style="list-style-type: none"> 1. The actor has logged into their CyberHub account and clicks the “Feedback” Button on the page. 2. The system checks the user account and navigates the page to the feedback form. 3. The actor is prompted to fill out the following fields and click the “Next Page” Button to go to the remaining questions. <ol style="list-style-type: none"> a. First Name (Required) b. Last Name (Required) c. What are you hoping to accomplish by visiting our site? (No Minimum Characters) d. Where did you first hear about us?(No Minimum Characters) e. What do you like the most/least about our website?(No Minimum Characters) f. What was your first impression when you entered our website?(No Minimum Characters) g. Is there anything missing on this page?(No Minimum Characters) h. Other/Questions: (No Minimum Characters) 4. The actor clicks the “Submit Form” button on the page. 5. The system checks that all required fields are filled out. 6. The system sends the feedback form back to website developers.

Alternative Courses:

3a.The actor did not filled out the second field which is First Name and left it empty

- 3a1. The actor fills out the feedback form except for the first required question, “First Name”.
- 3a2. The system checks and presents the following error dialog: “Please fill out First Name”
- 3a3. Actor clicks the “ok” button
- 3a4. The system checks the user account and navigates the actor back to the feedback form.
- 3a5. The actor is prompted to fill out the required fields and click the “Next Page” Button to go to the “Submit Button”
- 3a6. Use case resumes at step 5

3b.The actor did not filled out the second field which is Last Name and left it empty

- 3b1. The actor fills out the feedback form except for the second required question, “Last Name”.
- 3b2. The system checks and presents the following error dialog: “Please fill out Last Name”
- 3b3. Actor clicks the “ok” button
- 3b4. The system checks the user account and navigates the actor back to the feedback form.
- 3b5. The actor is prompted to fill out the required fields and click the “Next Page” Button to go to the “Submit Button”
- 3b6. Use case resumes at step 5

3c.The actor has only filled out first and last name and left the remaining questions empty.

- 3c1. The actor fills out the feedback form but only fills out the “First Name” and “Last Name” box.
- 3c2. The actor clicks the “Next Page” Button to go to the “Submit”Button and clicks “Submit”.
- 3c3. The system presents the following error dialog: “At least one question must be filled out for the feedback to be sent to Cyberhub”
- 3c4. Actor clicks the “ok” button
- 3c5. The system checks the user account and navigates the actor back to the feedback form.
- 3c6. The actor is prompted to fill out the required fields as well as one question at least
- 3c7. The actor fills out the form and clicks the “Next Page” Button to continue.
- 3c8. Use case resumes at step 5

3.16. Follow other Users - UC016 [Author Name: Puja Shah]

Use Case Name:	Follow other Users
Description:	This use case will allow an actor to follow another registered user. Following another registered user allows the actor to receive updates, posts, and activities from the followed registered user in their feed.
Primary Actor(s):	Register Users
Trigger:	The actor decides to follow another registered user by selecting the “Follow” option on the profile of the desired registered user.
Precondition(s):	The actor is logged in to their account and has access to the profiles of the other registered users they wish to follow.
Postcondition(s):	The actor will successfully follow the selected registered user, and the system reflects this action in both actor and registered user profiles. The followed registered user’s updates and activities will now appear in the actor’s feed.
Success Scenario (or Normal Flow):	<ol style="list-style-type: none"> 1. The actor will navigate to the profile of the selected registered user they want to follow. 2. The system will check if the actor isn’t already following the selected user. 3. The system will show a “Follow” button if not already following. 4. The actor will click on the “Follow” button. 5. The system will check if both the actor’s account and the selected registered user’s account are valid. 6. The system will add the selected registered user to the actor’s following list and notify selected registered user they have a new follower. 7. The system will present a confirmation screen informing the actor that they have successfully followed the selected user.
Alternative Courses:	<p><u>2a. The actor is already following the selected user</u></p> <p>2a1. The system will detect that the actor is already following the selected registered user.</p> <p>2a2. The system will display an alternative action, such as an “Unfollow” button.</p> <p>2a3. The actor may choose to go back to the Home page or unfollow the selected registered user.</p> <p>2a4. The use case ends as the actor decides whether to go back to the Home page or unfollow the selected registered user.</p> <p><u>5a. The actor’s account is invalid</u></p> <p>5a1. The system will display an error message</p>

	<p>indicating that “Your account is currently invalid. Please contact support for assistance.”</p> <p>5a2. The actor will contact support.</p> <p>5a3. The use case ends.</p> <p>6a. The system encounters an error while adding the selected registered user to the actor’s following list</p> <p>6a1. The system will display an error message indicating that “Oops! Something went wrong. Please try again later or contact support for assistance.”</p> <p>6a2. The actor may choose to try again later or contact support for assistance.</p> <p>6a3. The use case ends.</p>
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3.17. Chat with Users - UC017 [Author Name: Puja Shah]

Use Case Name:	Chat with Users
Description:	The actor will engage in a chat conversation with other registered users. They can exchange messages in real-time, fostering connections and communication within the platform.
Primary Actor(s):	Register Users
Trigger:	The actor initiates a chat conversation with another registered user.
Precondition(s):	The actor is logged in to their account. The chat feature is enabled and accessible to the registered users.
Postcondition(s):	The actor will successfully send a chat message to the selected registered user, and the message is received and displayed in the recipient’s chat interface.
Success Scenario (or Normal Flow):	<ol style="list-style-type: none"> 1. The actor will navigate to the chat section of the platform and select the user to chat with from the list of username. 2. The system will check that the selected user has not blocked the actor, preventing them from sending messages. 3. The system will open a chat interface for the selected registered user. 4. The actor will type a message in the chat input field and send the message by clicking the send button. 5. The system will verify: <ul style="list-style-type: none"> a. The chat message is not left blank. b. The message does not exceed a specified 100 word limit. c. The chat message contains only allowed

	<p>special characters (., ,, !, @, #, \$, %, ^, &, (,), /, ;, ?, *)</p> <p>d. The chat message includes emojis within a specified limit (maximum of 5 emojis per message).</p> <p>6. The system will deliver the message to the selected registered user's chat interface.</p> <p>7. The system will display a confirmation to the actor that the message has been successfully sent.</p>
Alternative Courses:	<p><u>5a. The system detects that actor's chat field is left blank or contains only whitespace characters</u></p> <p>5a1. The system will display an error message indicating that "Message cannot be empty."</p> <p>5a2. The actor will enter a valid message.</p> <p>5a3. The use case resumes at step 4.</p> <p><u>5b. The system detects that chat message exceeds the specified word limit</u></p> <p>5b1. The system will display an error message indicating that "Message is too long."</p> <p>5b2. The actor will shorten the message.</p> <p>5b3. The use case resumes at step 4.</p> <p><u>5c. The system detects that chat message contains special characters beyond the allowed set:</u></p> <p>5c1. The system will prompt the actor to "Remove or replace the disallowed characters."</p> <p>5c2. The actor will be informed about the restricted characters and prompted to revise the message.</p> <p>5c3. The use case resumes at step 4.</p> <p><u>5d. The system detects that chat message exceeds the limit of emojis</u></p> <p>5d1. The system will prompt the user to "Remove or reduce the number of emojis."</p> <p>5d2. The actor will be informed about the maximum allowed emojis and prompted to revise the message.</p> <p>5d3. The use case resumes at step 4.</p>

3.18. Comment on a Post - UC018 [Author Name: Puja Shah]

Use Case Name:	Comment on a Post
Description:	This will allow the actor to interact with the post by leaving a comment. It will enhance the actor's experience by providing a means to express opinions, share thoughts, and interact with content creators and other users.

Primary Actor(s):	Registered User
Trigger:	The actor decides to add a comment to a post while browsing through the feed.
Precondition(s):	The actor is logged in to their account. Any post should exist on the feed that the actor can comment on.
Postcondition(s):	The actor will successfully post a comment on the selected post, and the comment is displayed under the post.
Success Scenario (or Normal Flow):	<ol style="list-style-type: none"> 1. The actor will scroll through the feed, select a post to comment on and click on the comment icon. 2. The system will verify that commenting is enabled for the selected post 3. The system will open a text input field for the actor to type comment. 4. The actor will type a comment in the input field and tap the “Post” button to submit the comment. 5. The system will verify: <ul style="list-style-type: none"> a. The comment is not left blank. b. The comment does not exceed a specified 50 word limit. c. The comment contains only allowed special characters (., ,, !, @, #, \$, %, ^, &, (,), /, ;, ?, *) 6. The system will display the typed comment under the post, along with the actor’s profile picture and username. 7. The system will update the comment count and display a confirmation message that the “Comment has been successfully posted.”
Alternative Courses:	<p><u>2a. The system verifies that commenting is not enabled for the selected post</u></p> <p>2a1. The system will display a message that “Comments are Disabled for this post.”</p> <p>2a2. The actor will be unable to initiate the comment action.</p> <p>2a3. The use case ends.</p> <p><u>5a. The system detects the comment is left blank or contains only whitespace</u></p> <p>5a1. The system will display an error message that the “Comment cannot be empty.”</p> <p>5a2. The actor will enter a valid comment.</p> <p>5a3. The use case resumes at step 4.</p> <p><u>5b. The system detects comment exceeds the word limit</u></p> <p>5b1. The system will display an error message that “Comment is too long.”</p> <p>5b2. The actor will shorten the comment.</p>

	<p>5b3. The use case resumes at step 4.</p> <p>5c. The system detects that comment contains special characters beyond the allowed set:</p> <p>5c1. The system will prompt the actor to “Remove or replace the disallowed characters.”</p> <p>5c2. The actor will be informed about the restricted characters and prompted to revise the comment.</p> <p>5c3. The use case resumes at step 4.</p>
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3.19. Edit Language and Region Setting - UC019 [Author Name: Puja Shah]

Use Case Name:	Edit Language and Region Setting
Description:	The actor can edit their language and region settings. It enables actor to customize the language preference and regional setting, affecting the display language throughout the entire platform.
Primary Actor(s):	Register User
Trigger:	The actor decides to edit their language and region setting.
Precondition(s):	The actor is logged in to their account.
Postcondition(s):	The actor will successfully update their language and region settings, and the changes are applied globally to the account.
Success Scenario (or Normal Flow):	<ol style="list-style-type: none"> 1. The actor will navigate to the edit language and region settings. 2. The system will verify the actor is logged in and authorized to access account settings. 3. The system will display the actor's account setting interface, including options to edit language and region settings. 4. The actor will select the “Language/Region” option to access the language and region settings. 5. The system will verify that the language and region settings feature is available and accessible to the user. 6. The system will display the current language and region settings along with an option to edit them. 7. The actor will select the “Edit” option next to the language and region setting they want to change. 8. The system will present a list of available languages and regions for the actor to choose from, including location based options. 9. The actor will select the desired language and region from the list.

	<p>10. The system will verify that the selected language and region is valid and available.</p> <p>11. The system will apply the changes to the actor's account if the selection is valid, and updates the display language throughout the entire platform, and displays a confirmation message that the language and region has been successfully updated.</p>
Alternative Courses:	<p><u>7a. The actor decides not to change the language and region setting</u></p> <p>7a1. The actor will cancel the language and region editing action.</p> <p>7a2. The use case ends without making any changes to the language and region setting.</p> <p><u>11a. The system encounters an error while attempting to update the language and region setting</u></p> <p>11a1. The system will display an error message that says "Problem updating the language/region setting."</p> <p>11a2. The actor will try again later or contact support for assistance.</p> <p>11a3. The use case ends without making changes to the language and region setting.</p>

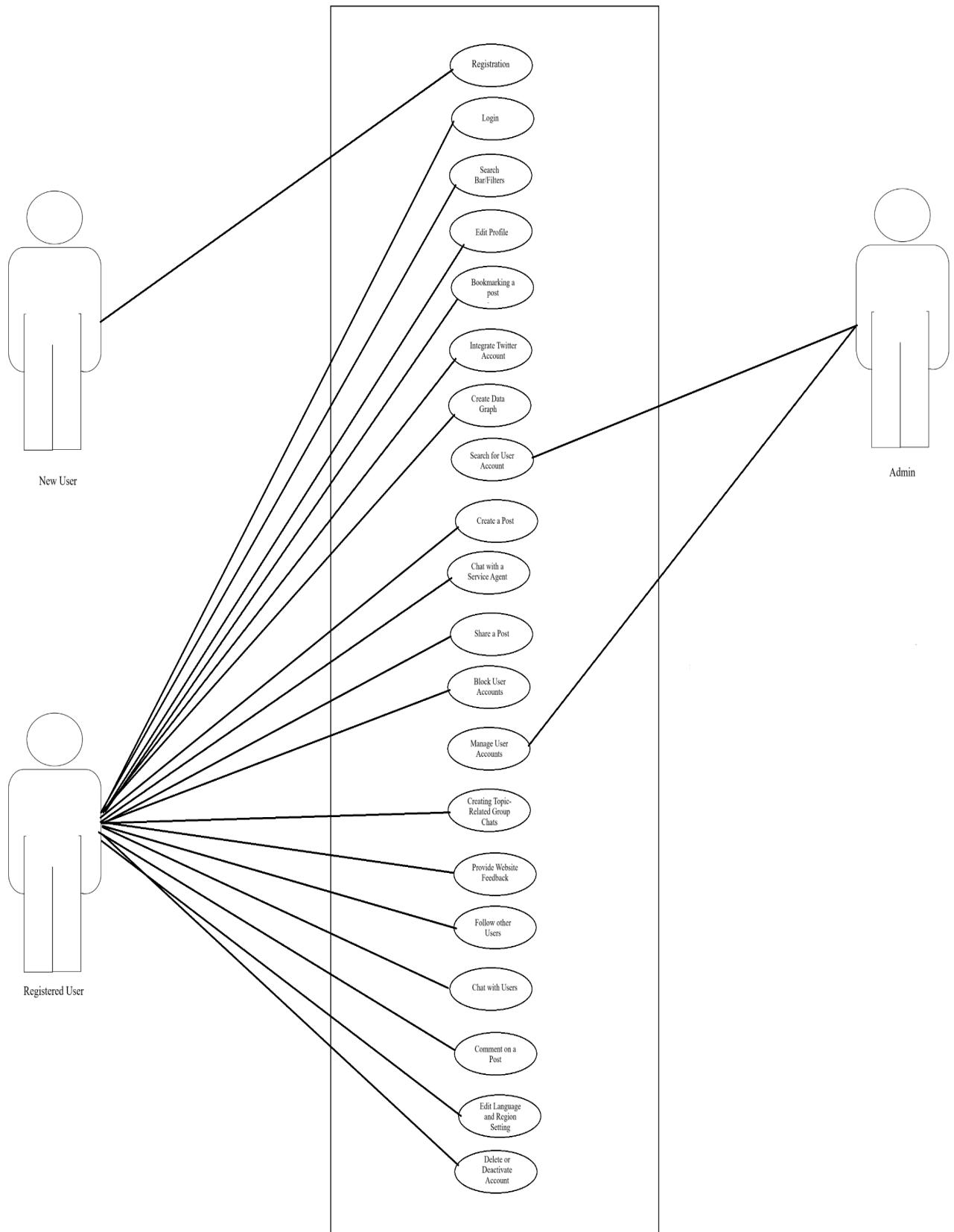
3.20. Delete or Deactivate Account - UC020 [Author Name: Puja Shah]

Use Case Name:	Delete or Deactivate Account
Description:	The actor will be able to delete their account permanently or deactivate it temporarily. By accessing account settings, confirming their decision with password, and setting the desired action.
Primary Actor(s):	Register User
Trigger:	The actor decides to delete an account or deactivate it temporarily.
Precondition(s):	The actor is logged in to their account, should have access to their account setting and knows the account password for confirmation purposes.
Postcondition(s):	<p>The actor will have chosen one option:</p> <ul style="list-style-type: none"> a. The actor chooses to delete the account, all associated data and profile information are permanently removed successfully. b. The actor chooses to deactivate their account temporarily, their profile and data are hidden from public view, but they have the option to reactivate their account later.

Success Scenario (or Normal Flow):	<ol style="list-style-type: none"> 1. The actor will navigate to the delete/deactivate setting. 2. The system will verify that the user is logged in and authorized to access account settings. 3. The system will display the actor's account setting interface, including options to delete or deactivate the account. 4. The actor will select the "Delete Account" or "Deactivate Account" option. 5. The system will prompt the actor to enter the reason and password to confirm the action. 6. The actor will enter the password. 7. The system will verify the password for security confirmation. 8. The system will present a confirmation dialog box asking the actor to confirm the decision. 9. The actor will confirm the decision to delete or deactivate their account. 10. The system will verify the actor's decision and proceeds accordingly: <ol style="list-style-type: none"> a. If the actor chooses to delete the account, the system permanently removes all associated data and profile information. b. If the actor chooses to deactivate the account temporarily, the system hides the actor's profile and data from public view. 11. The system will: <ol style="list-style-type: none"> a. Log the actor out and redirect to the confirmation page indicating that the account has been successfully deleted. b. Log the actor out and redirect to the confirmation page indicating that the account has been successfully deactivated. And the actor has the option to reactivate the account by logging in again with their credentials
Alternative Courses:	<p><u>4a. The actor cancels the account deletion or deactivation</u></p> <p>4a1. The actor will cancel the deletion or deactivation action.</p> <p>4a2. The use case ends without making any changes to the account status.</p>

4. Use Case Diagram

[Instructions: In the space given below, provide the **use case diagram for Sekuri-talk project**. See an example use case diagram below]



5. Constraints and Limitations

The **Constraint** field lists the constraint or limitation for the project. The **USE CASE ID** field lists the related use cases (if any) that provides additional context for the constraint.

Constraint	USE CASE ID
Email addresses provided during registration must follow a valid format, including the presence of '@' and '.' symbols in appropriate positions, to ensure that valid email addresses are entered by users. Passwords entered during registration must have a maximum length of 26 characters and include a combination of uppercase and lowercase letters, numbers, and symbols.	UC001
Implementing a secure password reset process, including sending encrypted links via email and requiring user identity verification, is crucial to prevent unauthorized access.	UC002
Large datasets should be handled by the search filter functionality with efficiency in mind, guaranteeing that search results are displayed quickly and without noticeable lag. To enable users to search for content in various languages and locations, the search filter functionality should support localization and internationalization.	UC003
The system should include security features such demanding re-authentication (for example: password confirmation) before allowing sensitive profile changes	UC004
Taking into account the capacity and performance implications, the bookmarking feature should be built to support a potentially large number of bookmarked posts per user. The bookmarking feature should be implemented with consideration for user privacy, ensuring that users have control over the visibility of their bookmarked content (e.g., public vs. private bookmarks).	UC005
The admin can only connect a user's twitter account if the user gives permission and provides correct twitter details.	UC006
Admin need to follow twitter rules	UC006
To build a twitter data graph, users must be logged into cyberhub and have access to relevant twitter metrics.	UC007
The search feature can only find user accounts using specific details like username and email address.	UC008
The actor can only create a post if they are logged into the platform and necessary permissions to do so.	UC009
The actor can only initiate a chat with a service agent if they are logged into the platform and there are available agents to handle the chat requests.	UC010
In order to share a post, the receiving user account must be following the actor.	UC011

The actor cannot share a post to an inactive account	UC011
The actor can only block active user accounts	UC012
The actor cannot change the user's personal details and information.	UC013
The actor cannot deactivate or delete the user's Cyberhub account through the Admin Portal	UC013
The actor can only make group chats with user accounts in their followers list.	UC014
The actor is not required to complete this feedback form.	UC015
The actor must complete the required questions in the feedback form otherwise it will not be submitted to Cyberhub.	UC015
The actor can only follow other registered users who have active accounts.	UC016
The actor cannot follow themselves or non-existent users.	UC016
The chat message must adhere to a maximum word limit of 100 characters.	UC017
The special characters allowed in chat message are limited to .., !, @, #, \$, %, ^, &, (,), /, ;, ?, *	UC017
Emojis are limited to a maximum of 5 emojis per message.	UC017
The system must verify that chat messages are not left blank or contain only whitespace characters.	UC017
Comments must adhere to a maximum word limit of 50 words.	UC018
The system must ensure that comments are not left blank or contain only whitespace characters.	UC018
The special characters allowed in comment are limited to .., !, @, #, \$, %, ^, &, (,), /, ;, ?, *	UC018
The actor may encounter that certain features or content are unavailable based on the selected language or region.	UC019
The account deletion is irreversible and may result in the permanent loss of data and profile information.	UC020

6. UI Specifications (Prototype)

Based on the use cases described in Section 3, provide the prototype for what the Sekuri-Talk website's interface would look like. UI design is a creative activity and you are allowed to create the website based on your own vision (i.e., team's vision). Additionally, you can use the UI design tool of your choice. Here are helpful resources to find the right UI design tools:

- <https://www.figma.com/>
- <https://www.creativebloq.com/how-to/20-best-ui-design-tools>
- <https://blog.prototypr.io/4-best-web-ui-mockup-tools-for-free-89a1513c3fd>
- <https://www.mockflow.com/>
- <https://creately.com/lp/wireframe-tool-online>

Your prototype should be interactive (i.e., clickable) and simulate the look and feel of the final

website.

Link : [Figma Prototype Link](#)

See Screenshots Below:

Register account:

Register account

Create an account

*Email Address

*Username

Last name

[Continue](#)

Already have an account? [Sign in](#)

© 2024 CyberHub
Email: cyberhub@cyberhub.com

Register account

Create an account

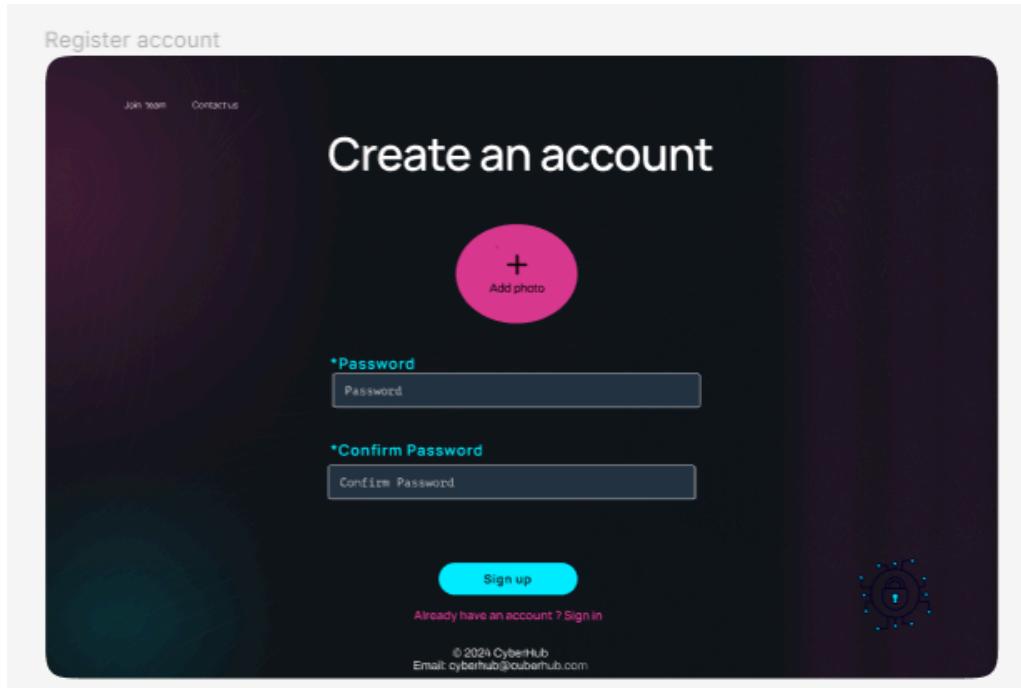
*Email Address

*Username

Please fill out required field to continue

[OK](#)

© 2024 CyberHub
Email: cyberhub@cyberhub.com



Bookmarking:

Home Page for bookmark button

Bookmark

© 2024 CyberHub
Email: cyberhub@cyberhub.com

Create a Post:

create a post 1

Jennifer Type here to post... Create Post

Popular Topics

- Cybersecurity Awareness
- Data Privacy
- Quantum Computing
- Blockchain & Cryptocurrency
- Cloud Computing
- Machine Learning
- Artificial Intelligence
- Blockchain & Cryptocurrency
- Cloud Computing
- Machine Learning
- Artificial Intelligence
- Show More

Active Now

- Cyber Hub @cyber_hub
- Cyber World @cyber_world
- Show More

create a post 2

Jennifer Type here to post... Post

Popular Topics

- Cybersecurity Awareness
- Data Privacy
- Quantum Computing
- Blockchain & Cryptocurrency
- Cloud Computing
- Machine Learning
- Artificial Intelligence
- Blockchain & Cryptocurrency
- Cloud Computing
- Machine Learning
- Artificial Intelligence
- Show More

Active Now

- Cyber Hub @cyber_hub
- Cyber World @cyber_world
- Show More

create a post 4

Jennifer Type here to post... Post

Popular Topics

- Cybersecurity Awareness
- Data Privacy
- Quantum Computing
- Blockchain & Cryptocurrency
- Cloud Computing
- Machine Learning
- Artificial Intelligence
- Blockchain & Cryptocurrency
- Cloud Computing
- Machine Learning
- Artificial Intelligence
- Show More

Active Now

- Cyber Hub @cyber_hub
- Cyber World @cyber_world
- Show More

create a post 3

Create a post Successfully!

Done

Search for user account:

(Admin) Search for user account 1

(Admin) Search for user account 2

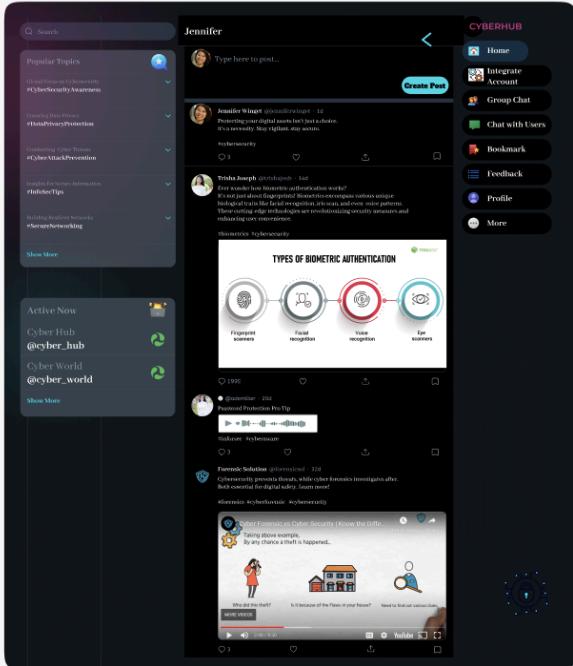
(Admin) Search for user account 3

(Admin) Search for user account 4

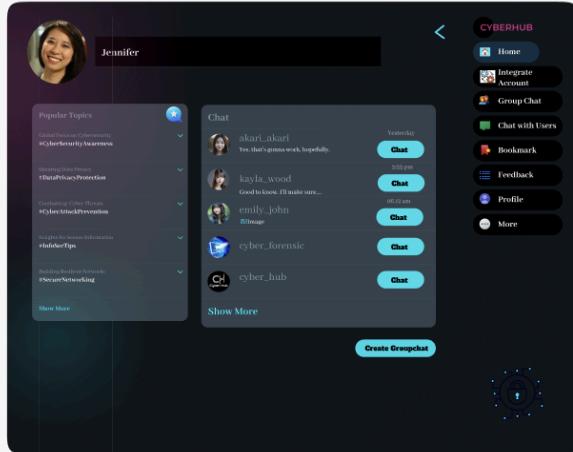
(Admin) Search f...

Create Group Chat:

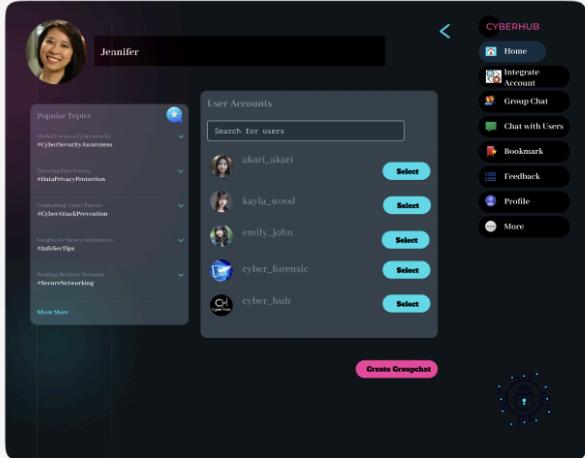
Create Groupchat 1



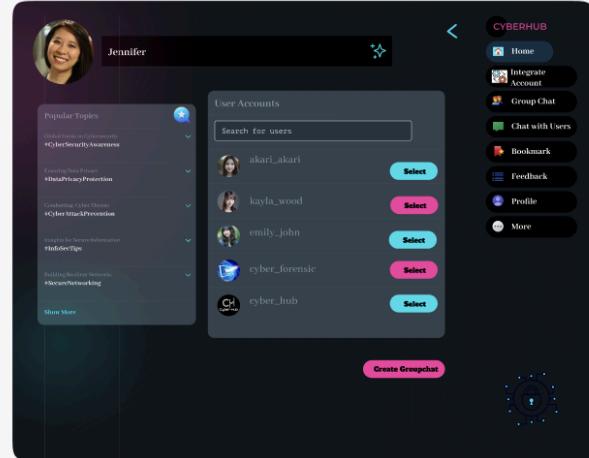
Create Groupchat 2



Create Groupchat 3



Create Groupchat 4



Create Groupchat 5

Feedback Form:

Feedback Form

Feedback Form 2

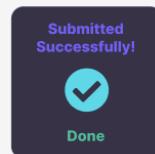
Feedback Form 3

This screenshot shows a feedback form titled "Feedback Form". It includes fields for "First Name*" and "Last Name*", both with placeholder text "First Name" and "Last Name" respectively. Below these are three text input fields: "What are you hoping to accomplish by visiting our site? (No Minimum Characters)", "Where did you first hear about us? (No Minimum Characters)", and "What do you like the most/least about our website? (No Minimum Characters)". A "Next Page" button is at the bottom.

Feedback Form 4

This screenshot shows a feedback form titled "Feedback Form". It has a question "What was your first impression when you entered our website? (No Minimum Characters)" followed by a text input field. Below it is another text input field for "Is there anything missing on this page? (No Minimum Characters)". At the bottom is a "Submit Form" button.

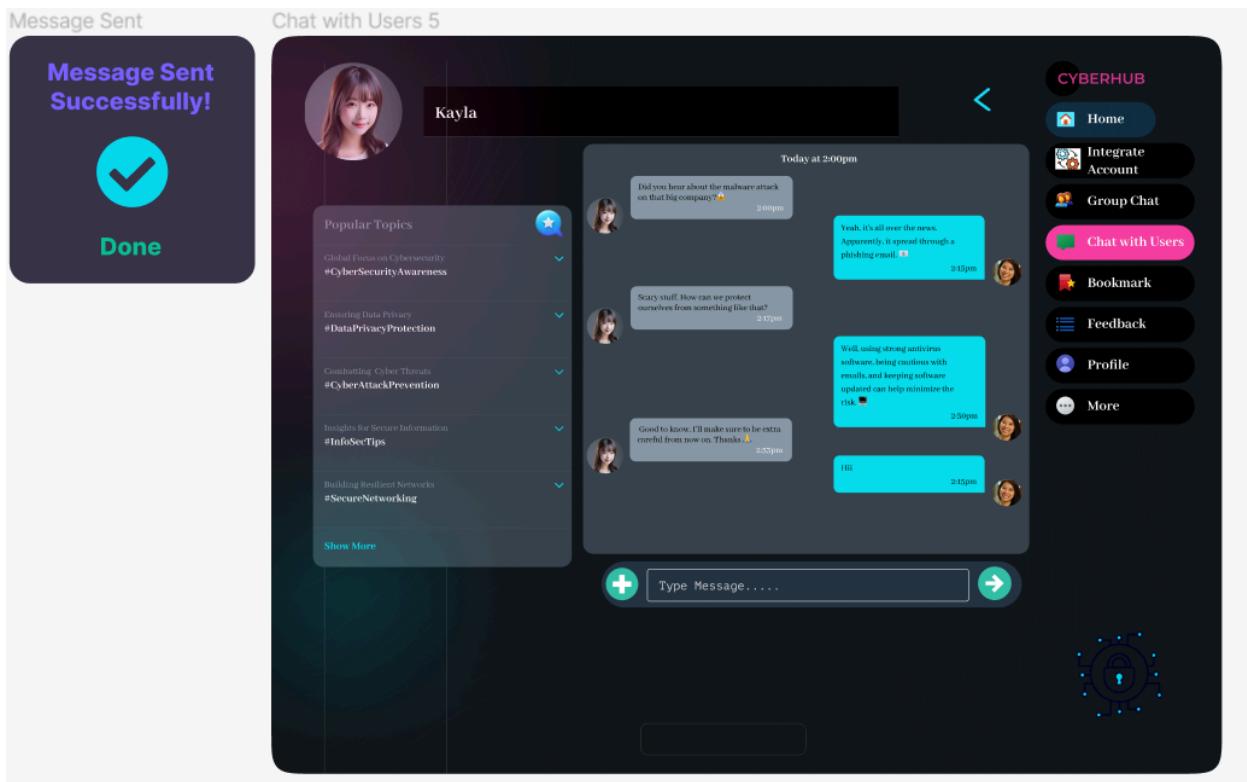
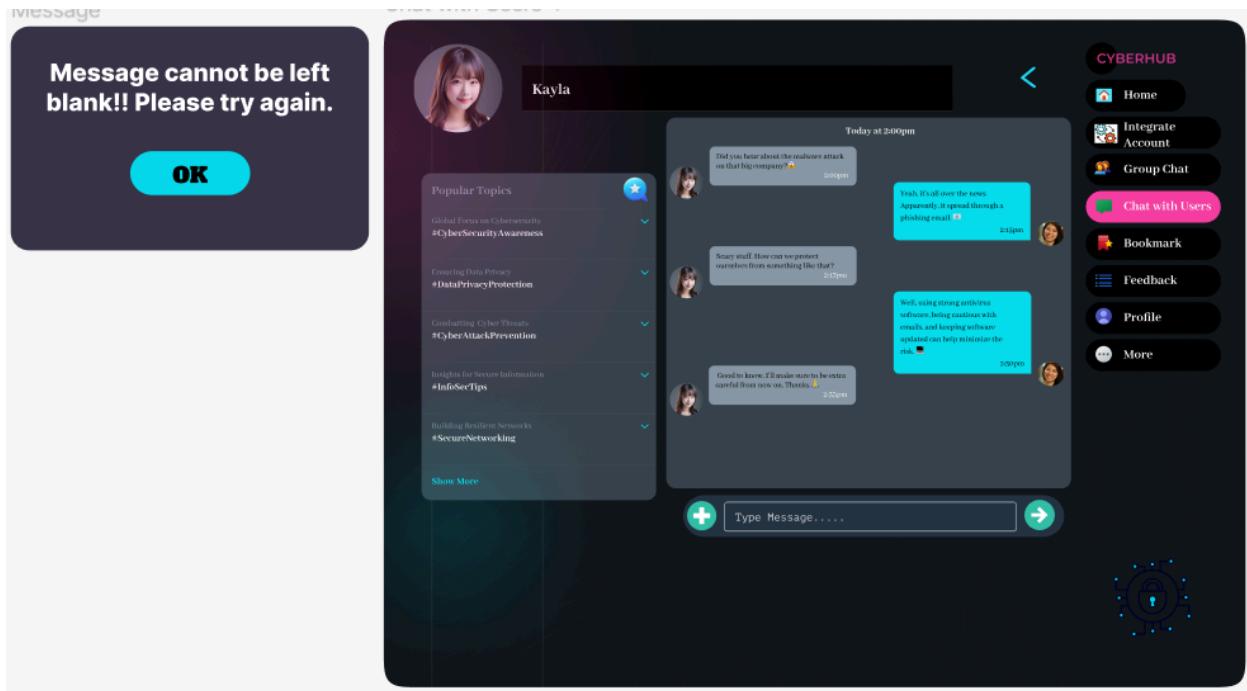
Submitted ...



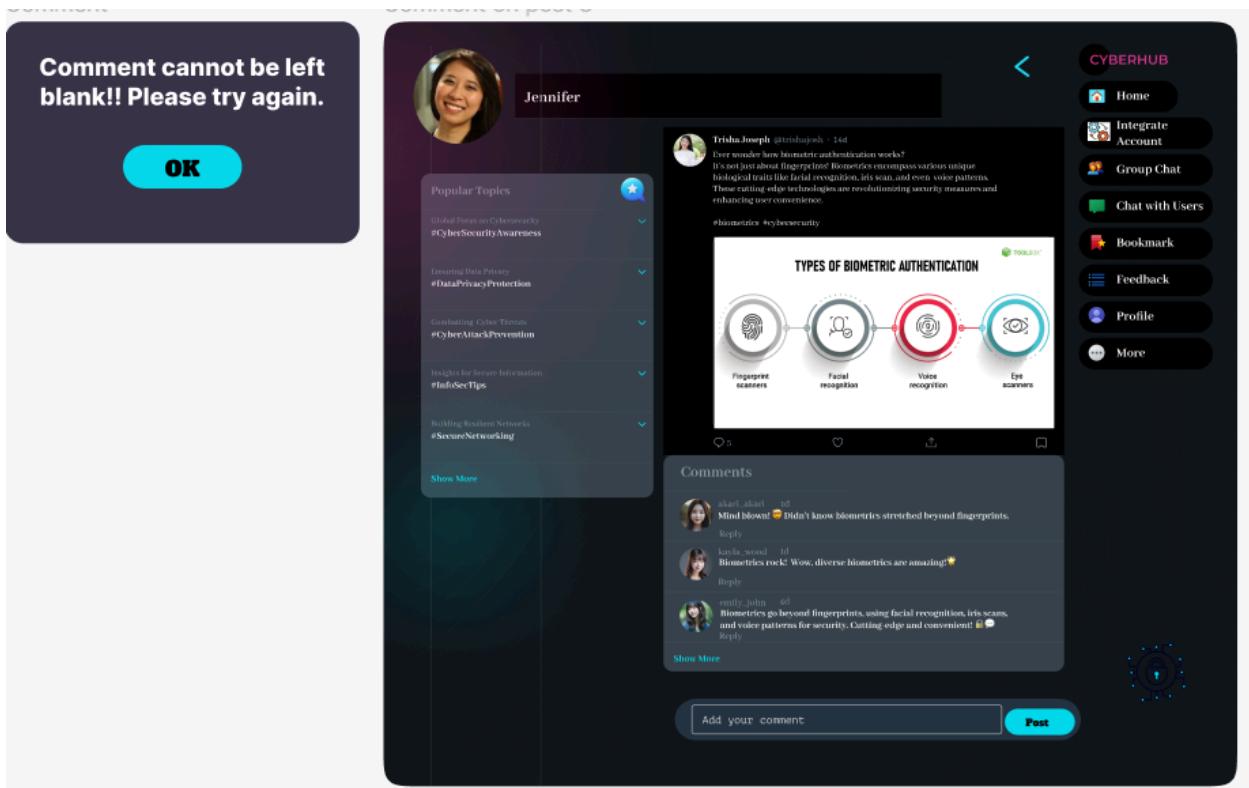
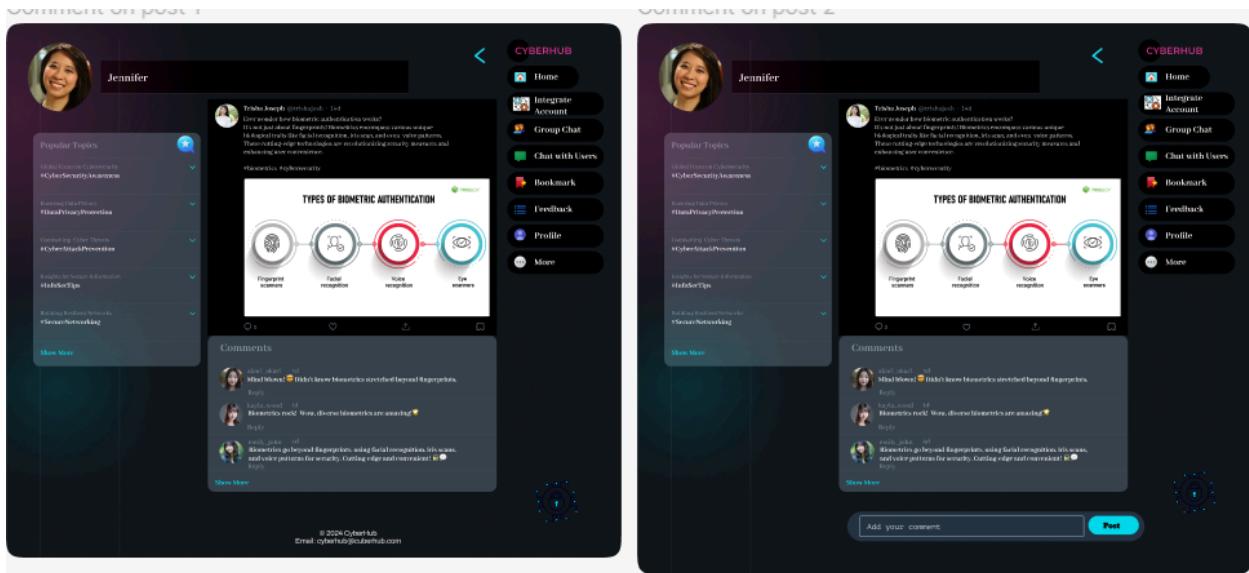
Chat with Users:

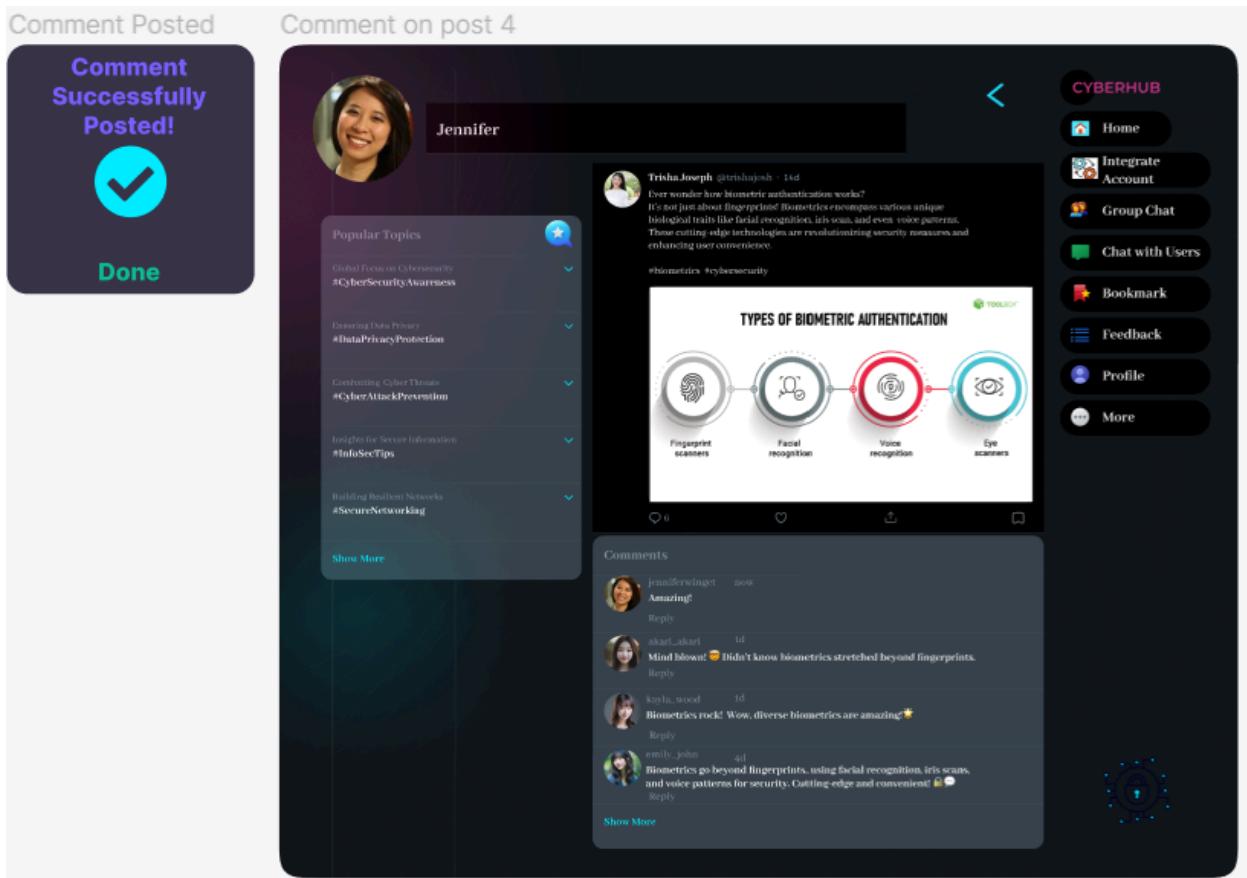
This screenshot shows the "Chat with Users" interface for user "Jennifer". On the left, a sidebar lists "Popular Topics" such as Cybersecurity Awareness, Data Privacy Protection, and Network Security. The main area shows a list of users with their names and profile pictures, each with a "Chat" button. A message from "akari_akari" is visible: "You're gonna rock, hopefully." The right side features a navigation bar with "CYBERHUB" and various icons for Home, Integrate Account, Group Chat, Chat with Users, Bookmark, Feedback, Profile, and More.

This screenshot shows the "Chat with Users" interface for user "Kayla". It displays a conversation with "akari_akari" where they say "I'm trying to learn more about how to protect myself online." and "I think I'll start by learning more about what I can do to protect my privacy online." The right side features a navigation bar with "CYBERHUB" and various icons for Home, Integrate Account, Group Chat, Chat with Users, Bookmark, Feedback, Profile, and More.



Comment on Post:





7. Definitions and Acronyms

Term	Definition
Actor	The primary user interacting with the system, typically a registered user.
Follow	The action of subscribing to another user's updates, allowing the actor to receive notification about their activities.
Following	A list maintained by the system, containing the users that the actor is currently following.
Chat Interface	The graphical user interface (GUI) through which users interact and exchange messages during a chat conversation.
Chat Message	The text entered by the actor to be sent to another registered user during a chat conversation.
Comment	A text-based response added by the actor to provide feedback or engage with a post.
Language and Region Setting	A configurable option determining the language and region display preferences for the platform.
Display Language	The language used for presenting text and content throughout the website's interface.

Password Verification	The process of confirming the actor's identity by entering their account password for security purposes.
Data Deletion	The permanent removal of all associated actor data and profile information from the system.
Account Deactivation	The temporary hiding of the actor's profile and data from public view, with the option to reactivate the account later.