



Deliverable II Report

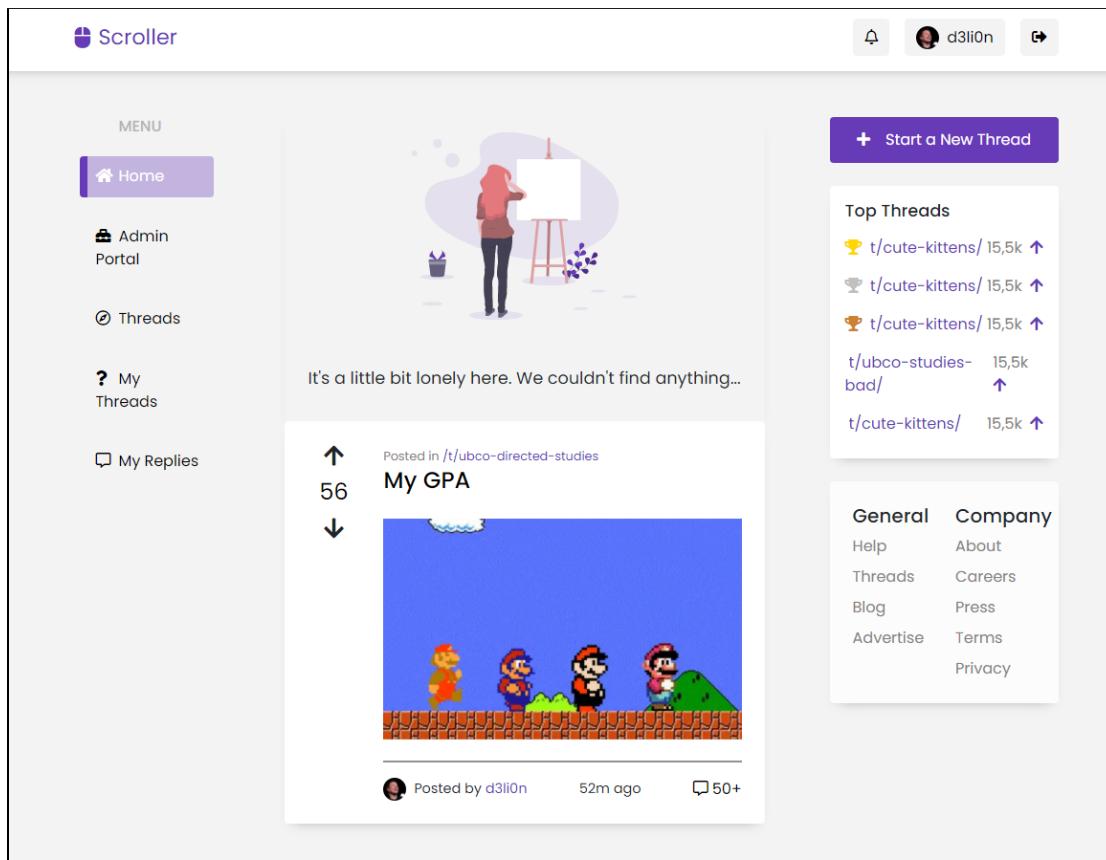
Team Members

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Layout Document

Due to the website's current state, we will present a layout document for the index page (home page). This section will focus on the design choices we picked for the home page, which acts as the basis for all the other pages throughout the rest of the website. Here is our current design of the index page.



As mentioned, almost the entire website follows this design choice. The top navigation bar is kept to a minimum. If you click on our website name “Scroller,” you will be redirected to the home page shown. On the right side of the navigation, there are three buttons. The button with the bell icon will serve to notify users when comments are made on their posts. Next, the profile button will perform the function to redirect the user to their “account-settings” page, where they will be able to change their username, password, and profile picture. Lastly, the last button will allow the user to log out. This navigation bar is located on every single page.

Now in terms of layout, we have decided to go with a three-column layout. The left-most column will contain the main navigation menu. In addition, any time a user either hovers or is located in any of the pages from the menu, the background color will change to purple, as shown on the “home” button. This is to let the user know which page they are located on.

The center column is where all the posts occur across all the threads. In the example of the “thread” and “post” pages, you will see we follow a similar structure with a three-column layout to emphasize consistency in design. You can scroll down the center, and different posts will come up. However, the left and right columns will stay fixed, so when you scroll down the center, you will still have access to all of the functionalities of those columns. Moreover, each post has an associated voting function to it. The user will be able to either upvote or downvote a post. To keep consistency in the website, we used all of our icons from the fontawesome website.

The left column contains three parts. First, the user will be able to create a thread (subreddit) from this index page. Again, the icon found inside the button is retrieved from fontawesome. The button will redirect the user to the “create thread” page, and an example of that page is found under the “Examples of Each Page Type and Static design and Styles of Each Pages” section. The following section is the trending threads section. Once functional, the users will click the threads that are trending the most and explore them. The top three threads are indicated with a trophy icon, which again is taken from fontawesome. The last section is a “General” section which contains various locations of the website. We are planning to remove the “Company” section for final production.

There are too many tags and stylings to go over all the sizing, colors, and buttons, but we used the following critical design choices. We are using Bootstrap v5.0 for organizing the layout of the page, the column sizing, the padding, and the margins between elements and text. The four primary colors used through the whole website, which are also sorted in variables in our CSS, are the following:

1. --background-light-theme: #f3f3f3;
2. --background-light-theme-header: #fff;
3. --navigation-link-default: #000;
4. --navigation-link-hover: #673AB7;

We are using Poppins’ san-serif font throughout the entire website. To create the scrolling of the center column without showing the scroll bar, we have an overflow hidden property. Every property discussed in this layout document of the index page is maintained throughout the website to maintain consistency.

Logic Process

A new user begins engaging with the site by first registering an account. The user must create a username, password and bind an email to their account. After going through the three prompts and inputting the information, the user will receive an email to confirm they created an account for Scroller. The user will have one hour to verify the account before the email link expires.

Once they confirm they created an account for Scroller, they will log in and see the home page. On the home page, users will see all posts trending across Scroller. In addition, they can upvote or downvote those posts on the home page. On the right-hand side, the users will find the top five threads trending throughout Scroller. On the left-hand side, the users can go to the page with all the sub-threads and check the threads they have posted and their replies to threads. The user can redirect themselves to their profile settings, check their notifications, or log out of their account on the navigation bar.

If the user wants to create a thread, they can click on the “Start a New Thread” button on the homepage. This page will direct them to a form that will ask them for the following information:

1. Thread Title
2. Thread Background Image
3. Thread Profile Image

After inputting all of the information, the users can click the “Create Thread” button to create the thread and make it visible throughout Scroller. Now, the user can continue to browse through all of the posts from other sub-threads or choose to post on their thread. Regardless of what the user chooses, the process will be similar. They can click “Start a new Topic” within any sub-thread to redirect them to a form. This form will allow users to create a post for a particular thread. The form takes the following information:

1. Post Title
2. Optional Body Text
3. Optional Image
4. Optional YouTube Link

Again, after inputting all the fields, users can click the “Create Post” button to make the post visible throughout the sub-thread.

Now, when a user creates a post, they have the option to delete their post. In addition, when a user comments on a post, they can delete their comment. Overall the user can actively browse around sub-threads and participate in discussions.

Moreover, the user can personalize their account by clicking on the navigation bar and their account name. Then, they can add a profile picture for other users on Scroller to see. Of course, the users also can change their usernames and passwords. If users do not want to be a part of the Scroller community, they also can deactivate their account on the account settings page.

On the other hand, site administrators have a few more options available to them. They have all the abilities a regular user would have and more. An administrator has an extra item available on their menu, the “Admin Portal.” In this portal, administrators have access to some more statistics. First, they can see how many registered users are on the site. Second, they can see the total number of threads on the website. Third, they can see the total number of posts on the site. Lastly, they can see the total number of comments on the website.

Administrators have a few more functionalities available to them. On the “admin-users,” the admins have a table with several options regarding users. They can see all the users on the website, their registration date, their email, their email status (if they confirmed their account) if a user is an admin, and finally, an ability to either block a user or make them an admin. An admin also has a search field where they look up a particular user. They can use this functionality to check on a user’s activity or if they want to block/make someone an admin quicker rather than scrolling through the list.

Comparatively, the administrators also have access to the “admin-threads,” where the admins have access to a table with several options regarding threads. Similar to the user’s table, they can search for a particular thread name. Administrators can see created threads, their owner, thread status, and the number of members in the threads. Additionally, the administrators can delete, hide, or restore threads. These options can be used to check on particular sub-threads, moderate them, and allow them to take proper actions on a thread if needed quickly. The last thing to note about admins is that they can hide and delete any posts or comments. It is visible to them by a grey text that says “hide” or “delete” under any post or comment. So if they seem an inappropriate post or comment, they can quickly take the proper action.

Discussion Regarding the Design and Styles of all Pages

For Scroller, we wanted to ensure we maintained consistency in design throughout the whole website. To achieve this goal, we reused components anywhere we could. For example, the navigation bar is reused everywhere, same as the menu on the right and left sides throughout the website. In addition, we kept using the same color scheme on every page. Utilizing the purple, white and gray for buttons, borders, and highlight effects to have a clean and consistent design.

Another critical aspect we did to achieve consistency throughout the website is to base pages on past pages. For example, the posts pages are based on the threads page, and the admin-users page is found on the admin-thread page. Additionally, “creating a post” is based on “creating a thread page.” Keeping this consistency in forms and tables was vital in terms of our design aspects.

Overall, we wanted to go for a clean, simple, and consistent look for Scroller. We wanted to ensure that regardless of where the user is located, we want them to have the vibe of using

Scroller. We achieved this feeling by reusing components where we could and allowing easy navigation anywhere on the website.

Client-side Security and Validation

JavaScript handles the client-side validation. The way JavaScript handles client-side validation is by having specific fields that require particular requirements. For example, when the user signs up for an account, they must input an email address. If the user inputs an invalid email address, a pop will let the user know they must input a proper email address. In addition, when creating a thread or a post, images have to be of type png, jpg, or gif. If the user inputs an invalid image type, a pop will appear again to let the user know. On the topic of creating a thread or post, in the title of both of these, you are not permitted to use special characters. Therefore, when the user submits a special character in the title, a pop appears to let them know special characters are not allowed. Thus, anytime the user inputs an incorrect field, we validate it with JavaScript and display what they need to input.

PHP handles client-side security. The way this works is we set up middleware classes for each function. First, we check if the user is authorized. An authorized user must have validity their email address. Then, we check if the user is an admin. Because when a user is an admin, they get more privileges than a regular user. We also check if their account is disabled or not. Since if the account is disabled, they will not be able to access the website. We check if a post or thread is disabled because we do not want to access any posts and threads that have been disabled. Thus, anytime a page or feature needs to be validated, we send the information to a middleware class. In the middleware class, we use PHP to validate, as described previously, to ensure security.

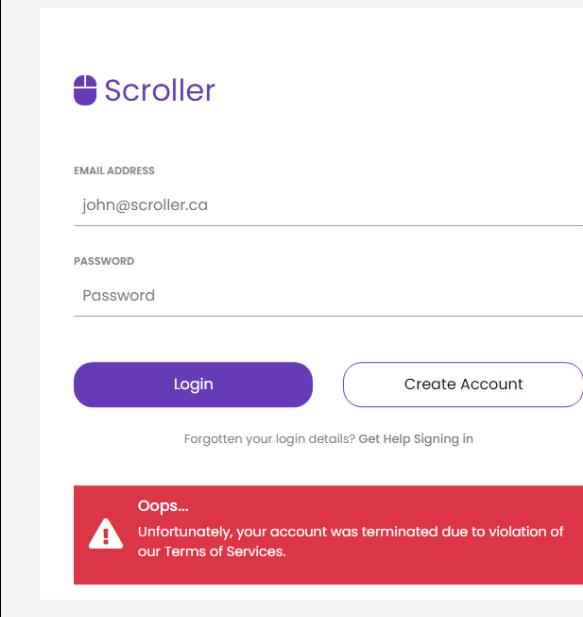
Organization of Pages

Access to the site map is available from the following link:

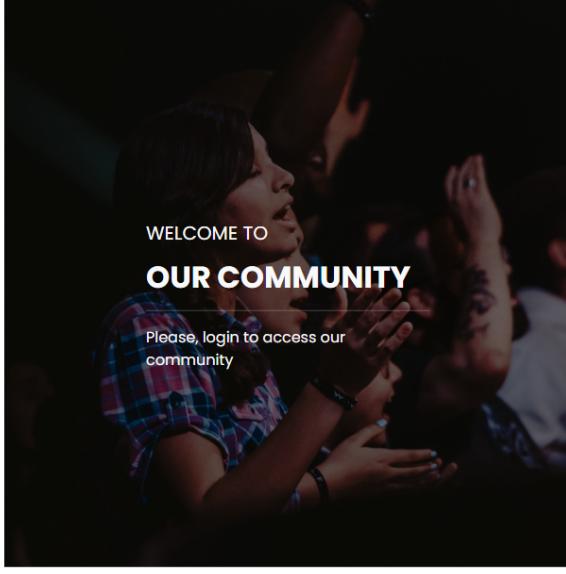
<https://www.figma.com/file/4FbHIj5qBnvZNFE217ghof/Scroller-Site-Map?node-id=0%3A1>

Examples of Each Page Type and Static design and Styles of Each Pages

Login Page

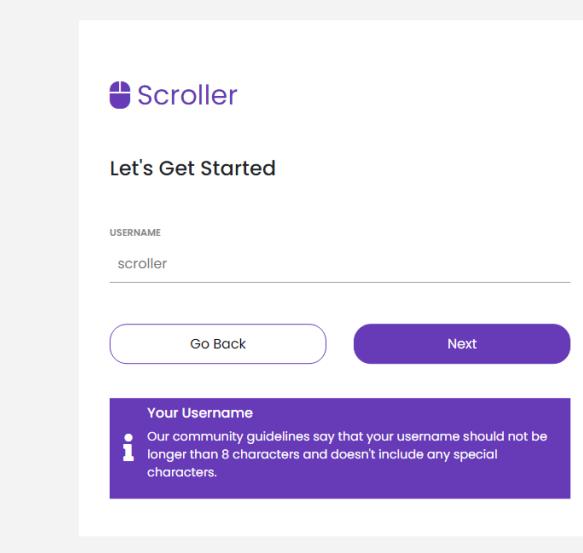


The screenshot shows the Scroller login page. It features a purple header with the Scroller logo. Below it is a form with fields for 'EMAIL ADDRESS' containing 'john@scroller.ca' and 'PASSWORD' containing 'Password'. There are two buttons at the bottom: a purple 'Login' button and a white 'Create Account' button. A red alert box at the bottom left contains the text 'Oops...' and 'Unfortunately, your account was terminated due to violation of our Terms of Services.' Below the alert box are links for 'Forgotten your login details?' and 'Get Help Signing In'.

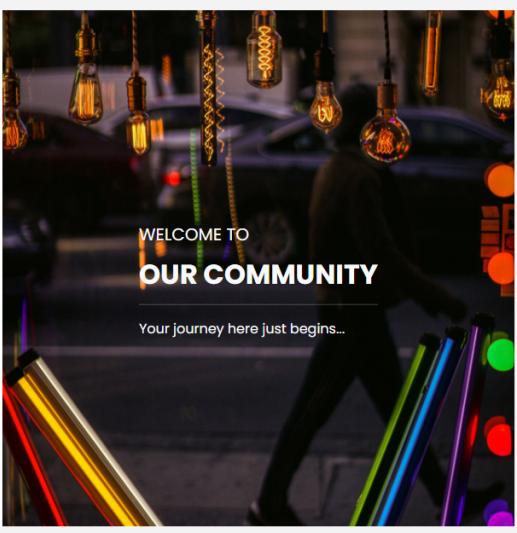


A dark banner with a photo of people at a concert. Overlaid text reads 'WELCOME TO OUR COMMUNITY' and 'Please, login to access our community'.

Register Page (1/3)



The screenshot shows the first part of the Scroller registration process. It has a purple header with the Scroller logo and the text 'Let's Get Started'. Below is a 'USERNAME' field with 'scroller'. At the bottom is a purple info box with 'Your Username' and a note: 'Our community guidelines say that your username should not be longer than 8 characters and doesn't include any special characters.' There are 'Go Back' and 'Next' buttons.



A dark banner with a photo of colorful glowing sticks. Overlaid text reads 'WELCOME TO OUR COMMUNITY' and 'Your journey here just begins...'.

Register Page (2/3)

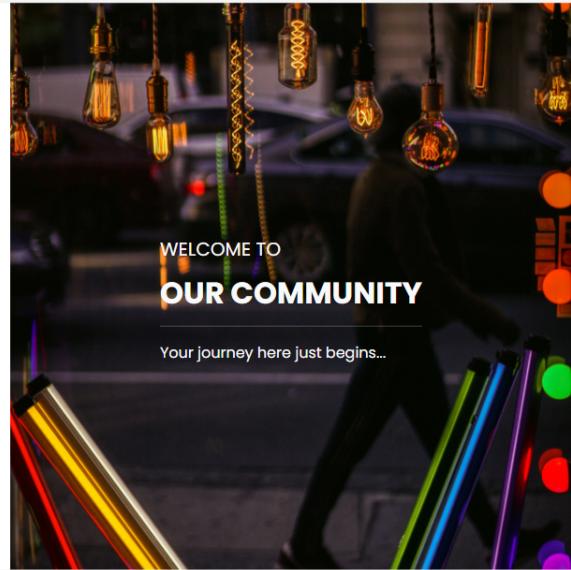
 Scroller

Let's Get Started

EMAIL

[Go Back](#) [Next](#)

i Your Email
Our community guidelines say that your email should not be longer than 25 characters.



WELCOME TO
OUR COMMUNITY
Your journey here just begins...

Register Page (3/3)

 Scroller

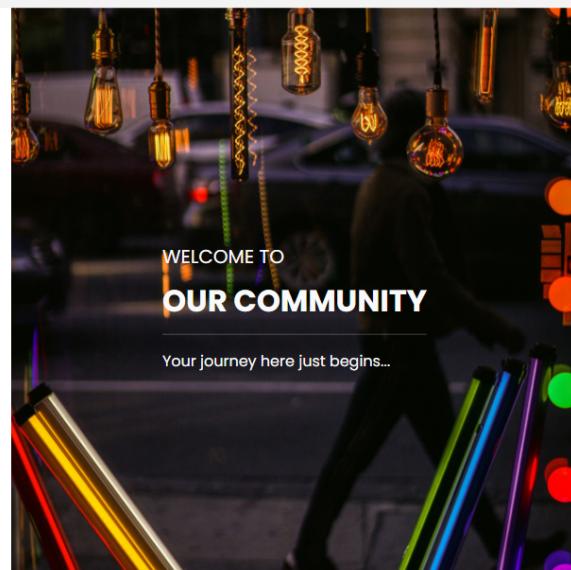
Let's Get Started

PASSWORD

PASSWORD

[Go Back](#) [Register](#)

i Your Password
We recommend to create a password with minimum length of 8 characters, one uppercase letter, one special symbol.



WELCOME TO
OUR COMMUNITY
Your journey here just begins...

Register Confirm Page

 Scroller

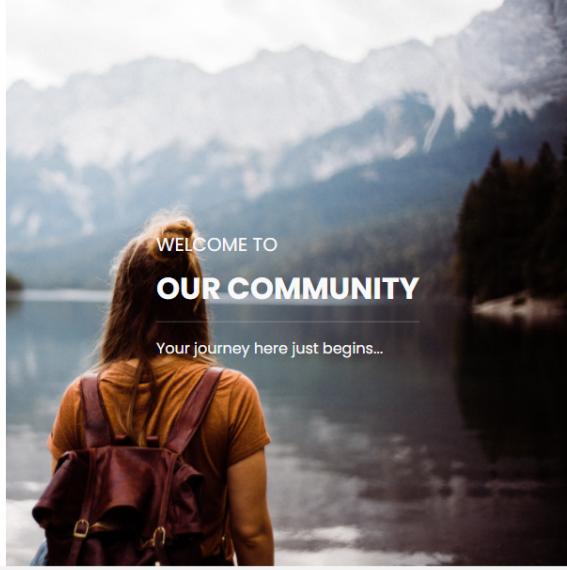
Almost Done

CONFIRMATION CODE

123456

Confirm

 **Error**
Seems like you entered wrong confirmation code.



WELCOME TO
OUR COMMUNITY

Your journey here just begins...

Restore Page

 Scroller

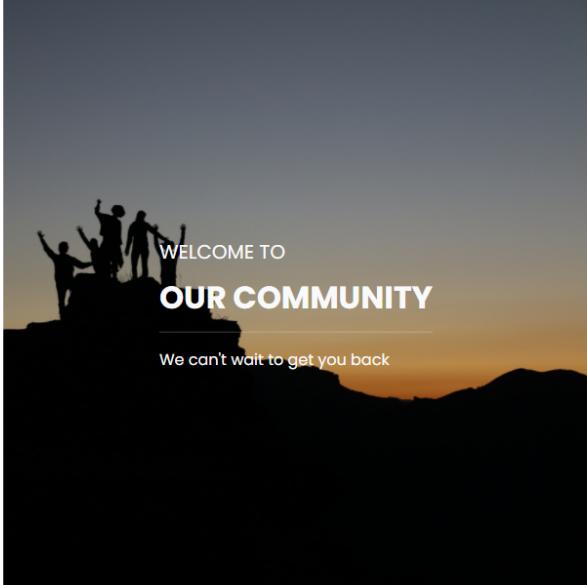
Let's Get Access To Your Account

EMAIL

john@scroller.ca

Recover

 **Error**
We couldn't find your account in our system



WELCOME TO
OUR COMMUNITY

We can't wait to get you back

Restore Confirm Page

 Scroller

Almost There

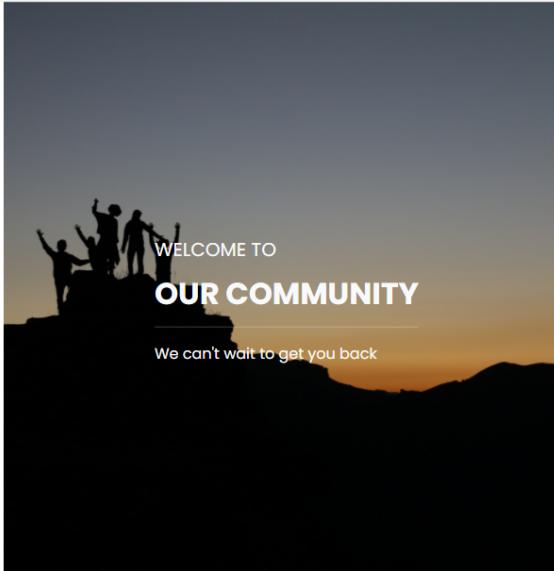
NEW PASSWORD
New Password

CONFIRM NEW PASSWORD
Confirm New Password

[Recover](#)

 Error

We couldn't find your account in our system



Home Page

 Scroller

MENU

- [Home](#)
- [Admin Portal](#)
- [Threads](#)
- [My Threads](#)
- [My Replies](#)



It's a little bit lonely here. We couldn't find anything...

56

↑ ↓

Posted in /t/ubco-directed-studies

My GPA



+ Start a New Thread

Top Threads

- t/cute-kittens/ 15,5k ↑
- t/cute-kittens/ 15,5k ↑
- t/cute-kittens/ 15,5k ↑
- t/ubco-studies-bad/ 15,5k ↑
- t/cute-kittens/ 15,5k ↑

General	Company
Help	About
Threads	Careers
Blog	Press
Advertise	Terms
	Privacy

Thread Page

This screenshot shows a thread page from a forum. At the top, there's a banner image featuring anime characters. Below it, the community logo for "Animemes" is displayed with a "Join" button. The main content area shows a thread titled "What is your Favorite Anime?" with 56 replies. The thread has a red banner indicating it was disabled by an administrator for "Violation of Community Guidelines". The sidebar on the right lists "Top Users" (Dimta, Guy, Vlad, Joseph, Karen) and various "General" and "Company" links.

Create Thread Page

This screenshot shows a "Create Your Thread" page. The left sidebar includes "Threads" as the active tab. The main area features a "Thread Title" section where the title "Cute Kittens" is entered. Below it is a "Thread Background Image Cover" section with a placeholder for a background image. The final section is "Thread Profile Image", which currently shows a large empty white box.

Post Page

This post was disabled by Administrator.
Reason: Violation of Community Guidelines.

What is your Favorite Anime?

56

50+

Posted by d3li0n 52m ago

Comment as d3li0n.

Post Reply

Testing this comment.

Top Users

User	Posts
Dima	15,5k ↑
Guy	15,5k ↑
Vlad	15,5k ↑
Joseph	15,5k ↑
Karen	15,5k ↑

General Company

Help About

Threads Careers

Blog Press

Advertise Terms

Privacy

Create Post Page

Create a Post

Post Title

Before our community can access your post, you need to come up with a unique title.

Post Title: An Interesting Title

Post Body Text

Here you can add additional text to your post.

Post Text:
Text (optional)

Account Page

The screenshot shows a profile activity feed. At the top is a purple header bar with a user icon (@d3li0n) and a "Settings" button. Below this is a "MENU" section with "Home" (selected), "Admin Portal", "Threads", "My Threads", and "My Replies". The main area is titled "Profile Activity" and contains five items:

- New Comment: **What is it all about?** Commented in /t/cute-kittens/
- New Post: **What is it all about?** Posted in /t/cute-kittens/
- New Post: **What is it all about?** Posted in /t/cute-kittens/
- New Post: **What is it all about?** Posted in /t/cute-kittens/
- New Post: **What is it all about?**

A sidebar on the right lists "General" and "Company" links.

General	Company
Help	About
Threads	Careers
Blog	Press
Advertise	Terms
	Privacy

Account Settings Page

The screenshot shows the account settings page. It features a purple header bar with a user icon (@d3li0n) and a "Settings" button. Below this is a "MENU" section with "Home" (selected), "Admin Portal", "Threads", "My Threads", and "My Replies". The main area is divided into sections:

- General**:
 - Change Profile Picture: A placeholder image of a smiling person, with a "Choose File" button and a message "No file chosen".
 - Change Username: A field labeled "Username:" containing "d3li0n".
 - Change Password: Fields for "Old Password" and "New Password".
 - A red error message: "Error in updating settings. Reason: Passwords don't match."
 - A blue "Update Settings" button.
- Other**:
 - A warning message: "Once you disable your account, there is no going back. Please be certain."
 - A red "Deactivate Account" button.

A sidebar on the right lists "General" and "Company" links.

General	Company
Help	About
Threads	Careers
Blog	Press
Advertise	Terms
	Privacy

Admin Page

Admin Threads Page

Menu	All Threads							
	Thread Name							
	Thread Name							
Users	ID	Name	URL	Created	Owner	Status	Members	Action
Threads	1	Cute Kittens	/t/cute-kittens/	Nov 5, 2021	gkaminsky	Active	500,000	<button>Delete</button> <button>Hide</button> <button>Restore</button>
	2	Animee	/t/animee/	Nov 3, 2021	d3li0n	Deleted	100,000	<button>Delete</button> <button>Hide</button> <button>Restore</button>
	3	COSC360	/t/cosc360/	Dec 2, 2021	sfazackerley	Hidden	200,000	<button>Delete</button> <button>Hide</button>

Admin Users Page

MENU

- Home
- Admin Portal
- Users**
- Threads

All Users

Username

ID	Username	Register Date	Email	Email Status	Admin	Action
1	d3li0n	Nov 5, 2021	musk@scroller.ca	Confirmed	Yes	<button>Block</button> <button>Make Admin</button>
2	gkaminsky	Nov 5, 2021	bezos@scroller.ca	Not Confirmed	No	<button>Block</button> <button>Make Admin</button>
3	sfazackerley	Dec 7, 2021	sfazackerley@ubc.ca	Confirmed	No	<button>Unblock</button> <button>Make Admin</button>

Error Page

Scroller



Oops...

Seems like you experienced some error.
Error Code: **404 - Page Not Found**

[Take me back](#)