

## *Project Proposal COSC 360*

### Group List:

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Project description: Our team will make a discussion board type of website. Our site will look similar to reddit in functionality and design.

What our site will do: The site will allow users to create a thread about a main topic in mind, and allow other users to comment on that topic. Users should be able to browse the website with or without registering, as well as perform searches to find topics of interest. Once registered and signed in, users will be able to create and comment on threads. Users will have their own user page where they will be able to edit their display profile. Creating a user on the website will be simple, just a name and password with an optional photo. Forgotten password recovery will be supported. Administrators will have the power to delete/edit comments or an entire thread if they don't like it. They will also have the ability to disable user accounts entirely, as well as enable them.

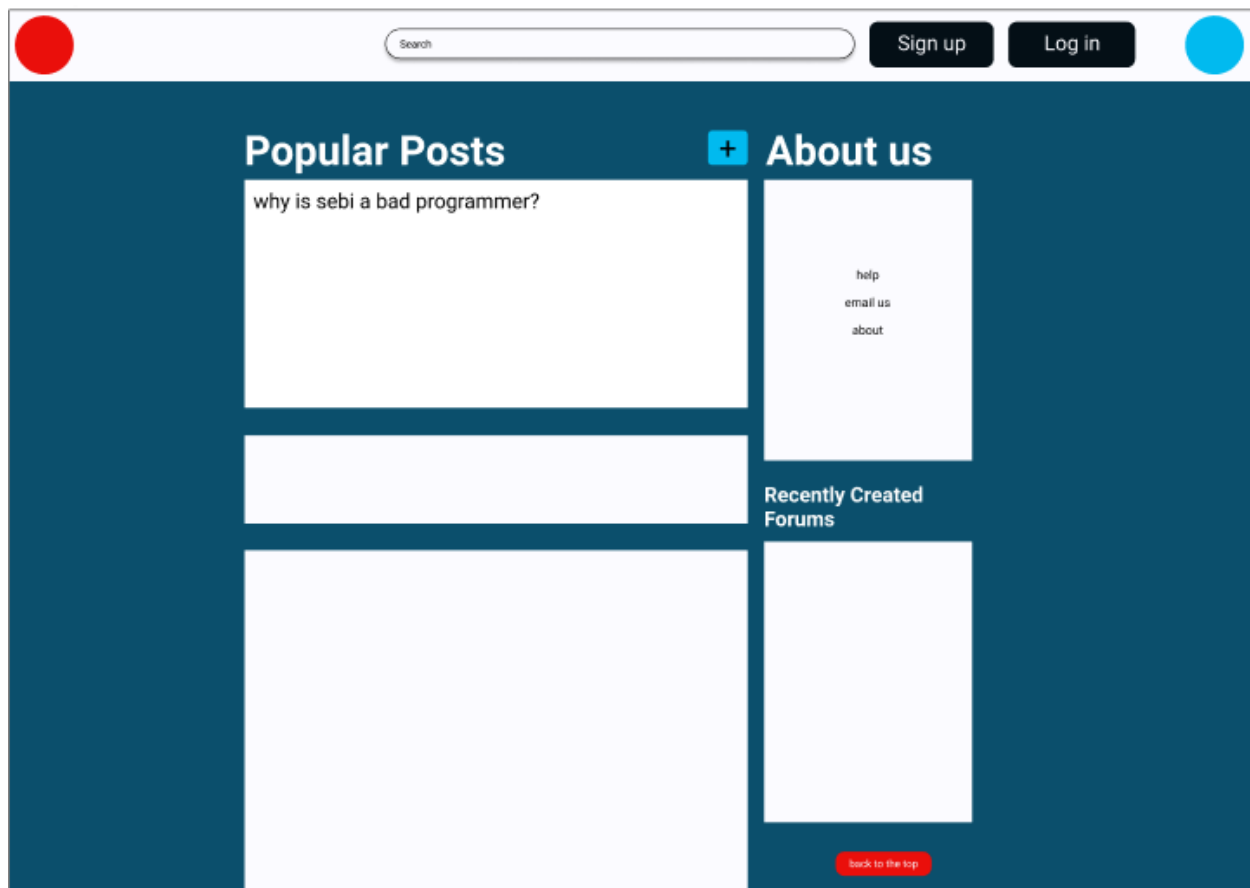
### Deliverables:

- A decently styled page, consistent across website
- An error free experience
- Easy navigation
- Have the site save user inputs so when reloaded or revisited content is not lost
- Minimal functional requirements
- Effective database queries
- Reliable error handling
- Switch between states(logged in/ logged out)

## Client Side Experience/Report

### Layout:

This is the landing page that the user will first see. Where a user can see almost everything and get a general sense of what the website is about. The top header is consistent across the entire website. The search bar will search the website for relevant forums based on the search input. The sign up and login buttons link to their own pages.



Search

Sign up Log in

## Login

❖ username box

❖ password box

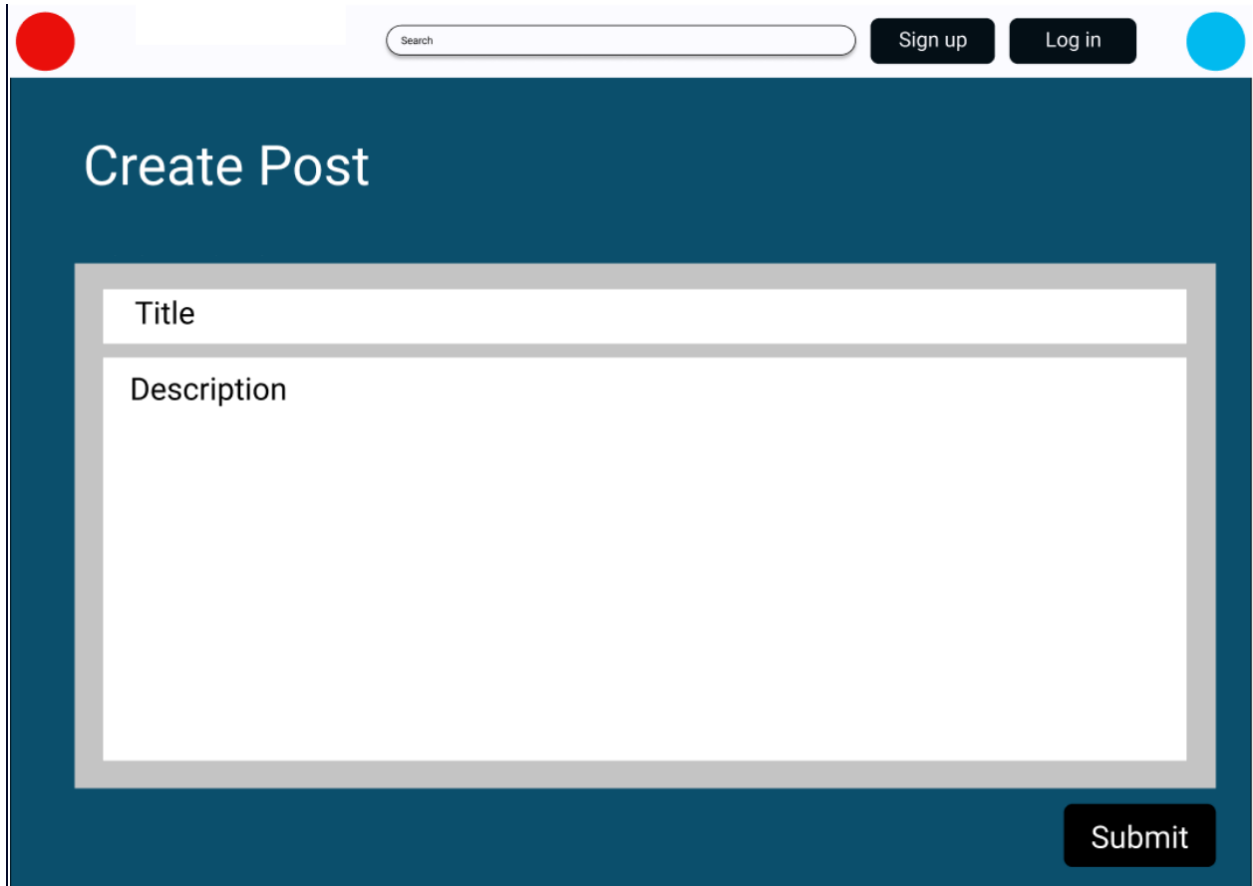
[Forgot Password?](#)

❖ Login Bu...

Login

[Don't have an account? Create one now!](#)

The user can then login to access their profile, make a post, and unlock any features they were not able to do when logged out. This page is linked to the log in button in the top right. The user inputs are checked to the database of users, and if there is a match the user will be signed in.

A web browser window showing a 'Create Post' form. The browser's address bar is empty. The page has a dark blue header with a red circle on the left and a blue circle on the right. The header contains a search bar with the text 'Search' and two buttons: 'Sign up' and 'Log in'. The main content area is a dark blue rectangle with the title 'Create Post' in white. Below the title is a light gray bordered box containing two input fields: 'Title' and 'Description'. A 'Submit' button is located at the bottom right of the form.

Search

Sign up Log in

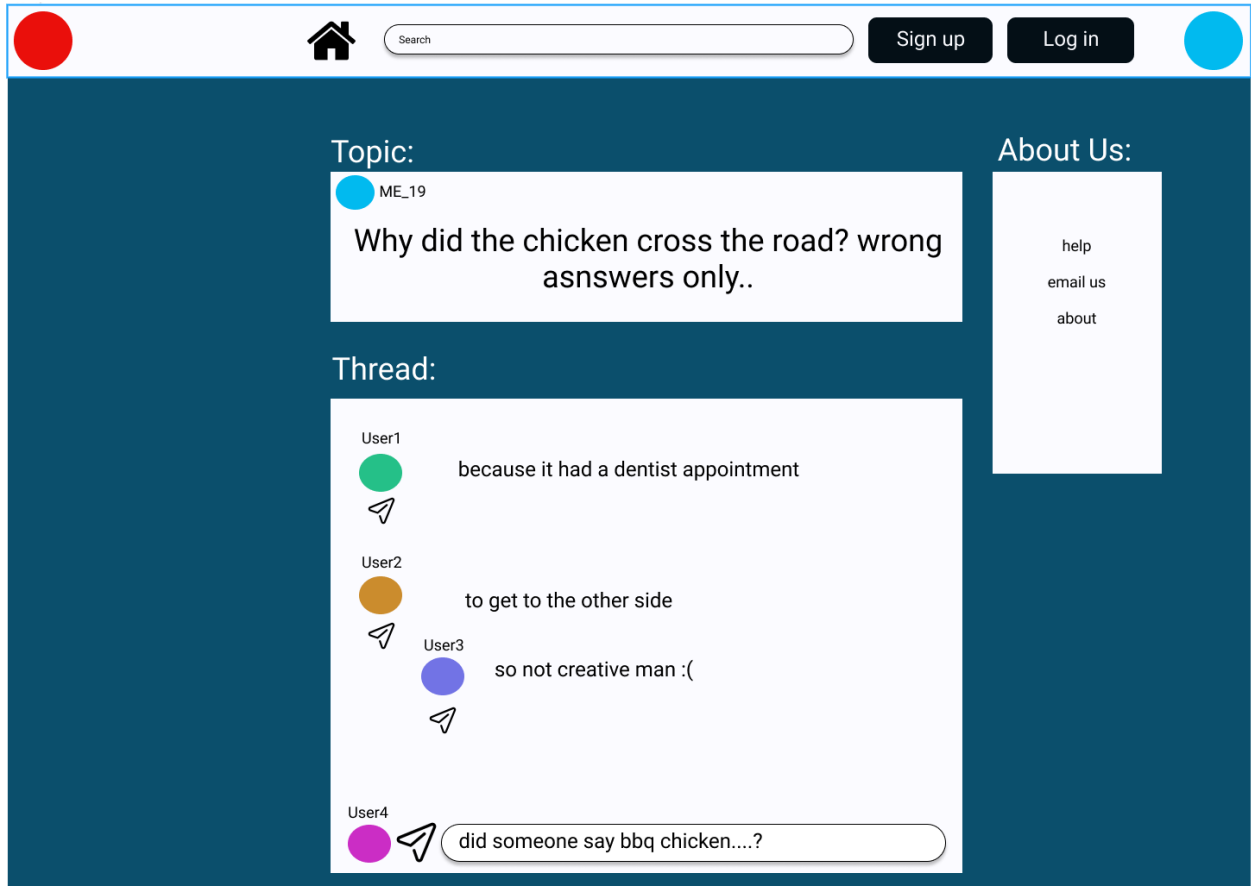
# Create Post

Title

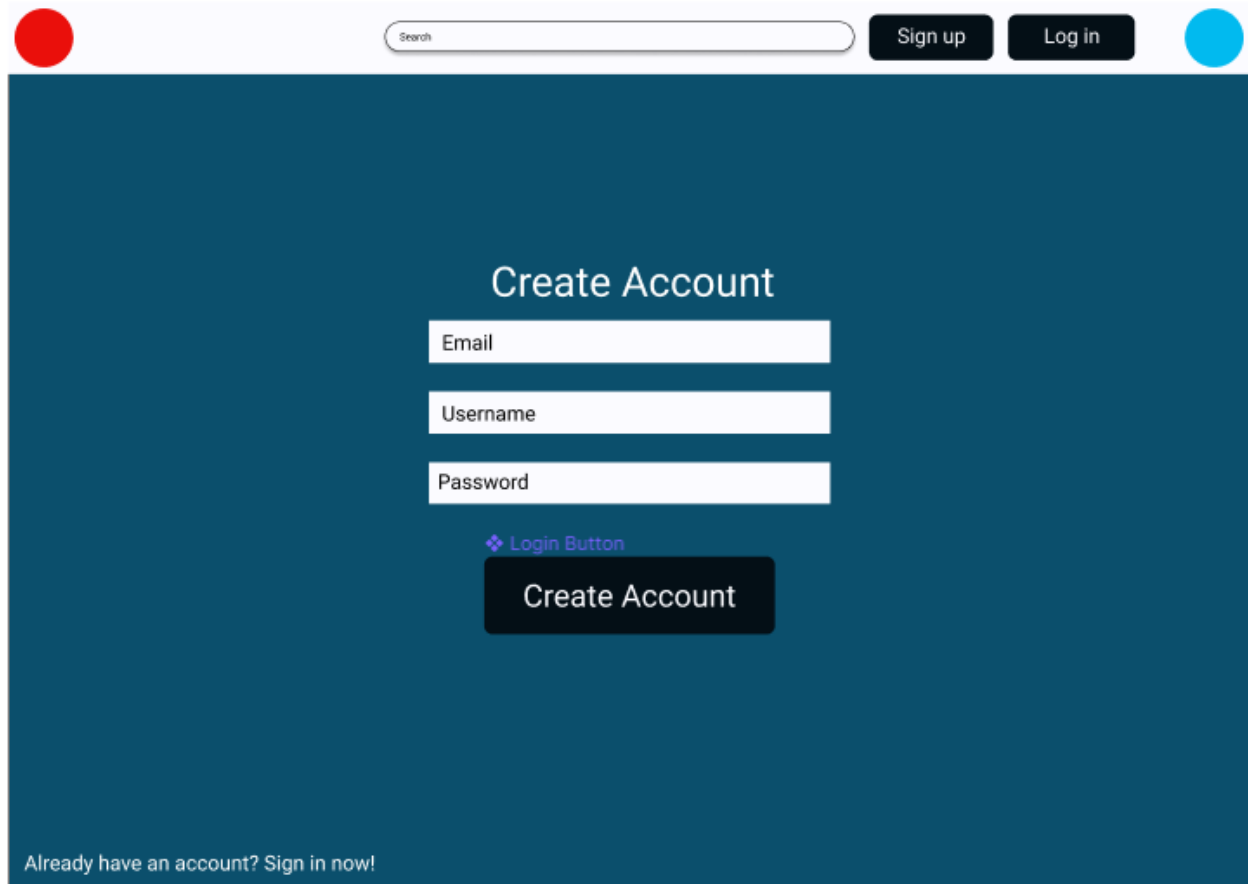
Description

Submit

User can create a post on the create post page. This page is linked to the plus icon on the landing page. A user has to enter a title and a description with an available add image button added during implementation. This image will be displayed between the title and description of the post on other user's screens.



This is the post page and it is linked when the user clicks on a post on the landing page. Users can reply to each other's comments and to the main user's post.



The image shows a web browser window with a dark blue background. At the top, there is a white header bar containing a red circle on the left, a search bar with the word "Search" inside, and two dark blue buttons labeled "Sign up" and "Log in" on the right. Below the header, the main content area is dark blue. In the center, the text "Create Account" is displayed in white. Below this text are three white input fields labeled "Email", "Username", and "Password". Below the "Password" field is a small blue icon followed by the text "Login Button". Below this is a dark blue button labeled "Create Account". At the bottom left of the main content area, the text "Already have an account? Sign in now!" is displayed in white.

Search

Sign up Log in

## Create Account

Email

Username

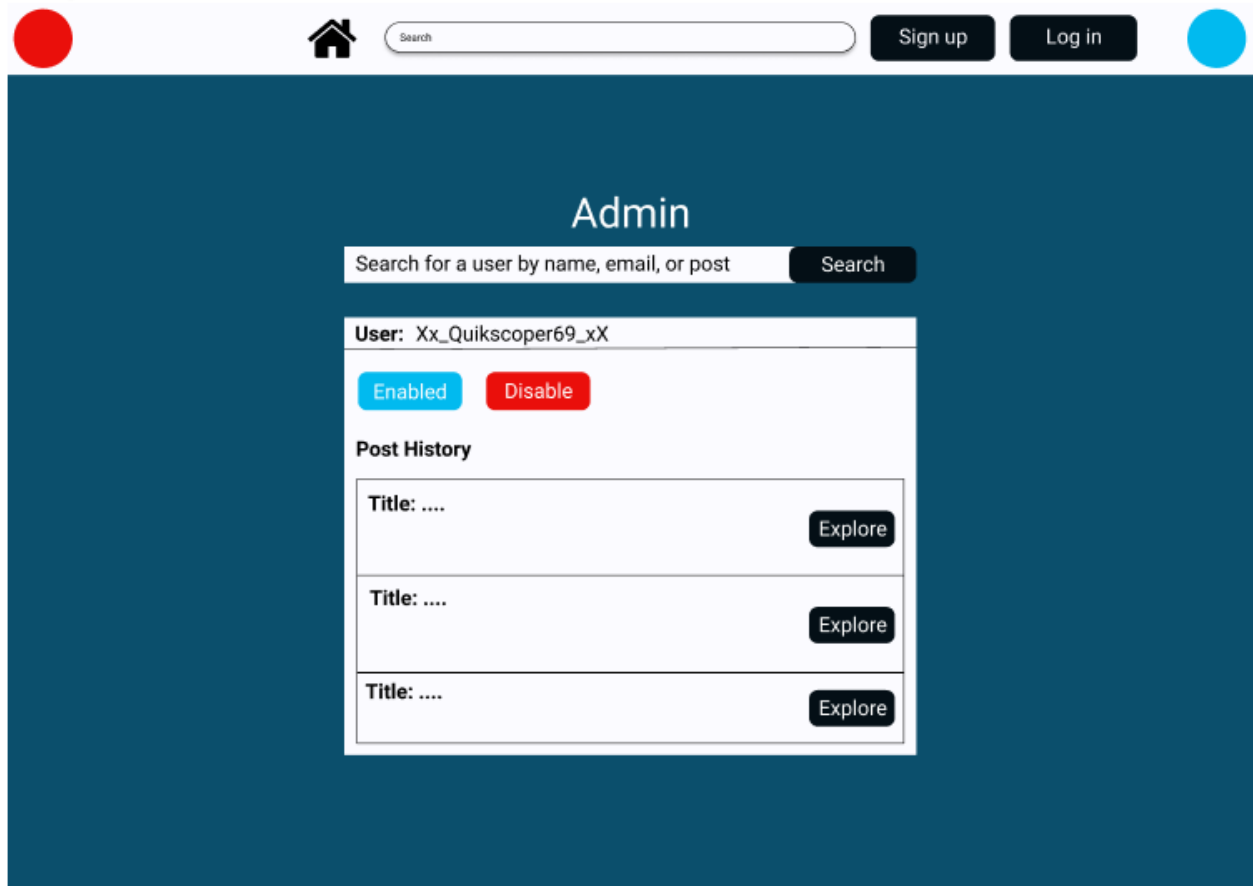
Password

✦ Login Button

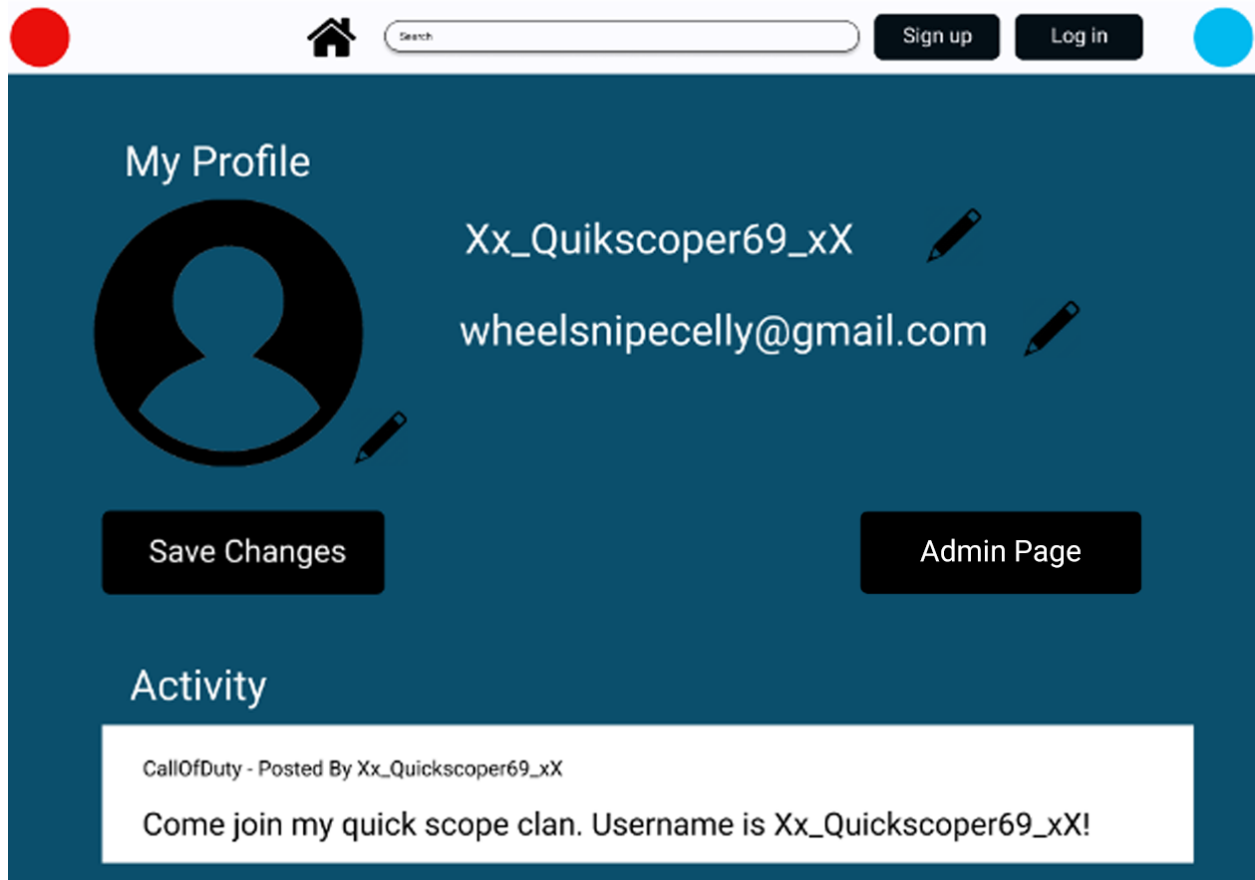
Create Account

Already have an account? Sign in now!

New users can create an account to unlock features. The sign up button in the top right is linked to the create account page. User's will have to enter their email, username(unique) and a password to create an account on our page. Our client side validation will use regex on the email section to make sure it contains an @ sign and no other illegal characters. For the username we just have to make sure they don't use any illegal characters. For the password we'd want it to be at least 8 characters with at least one capital, one symbol, and one number.

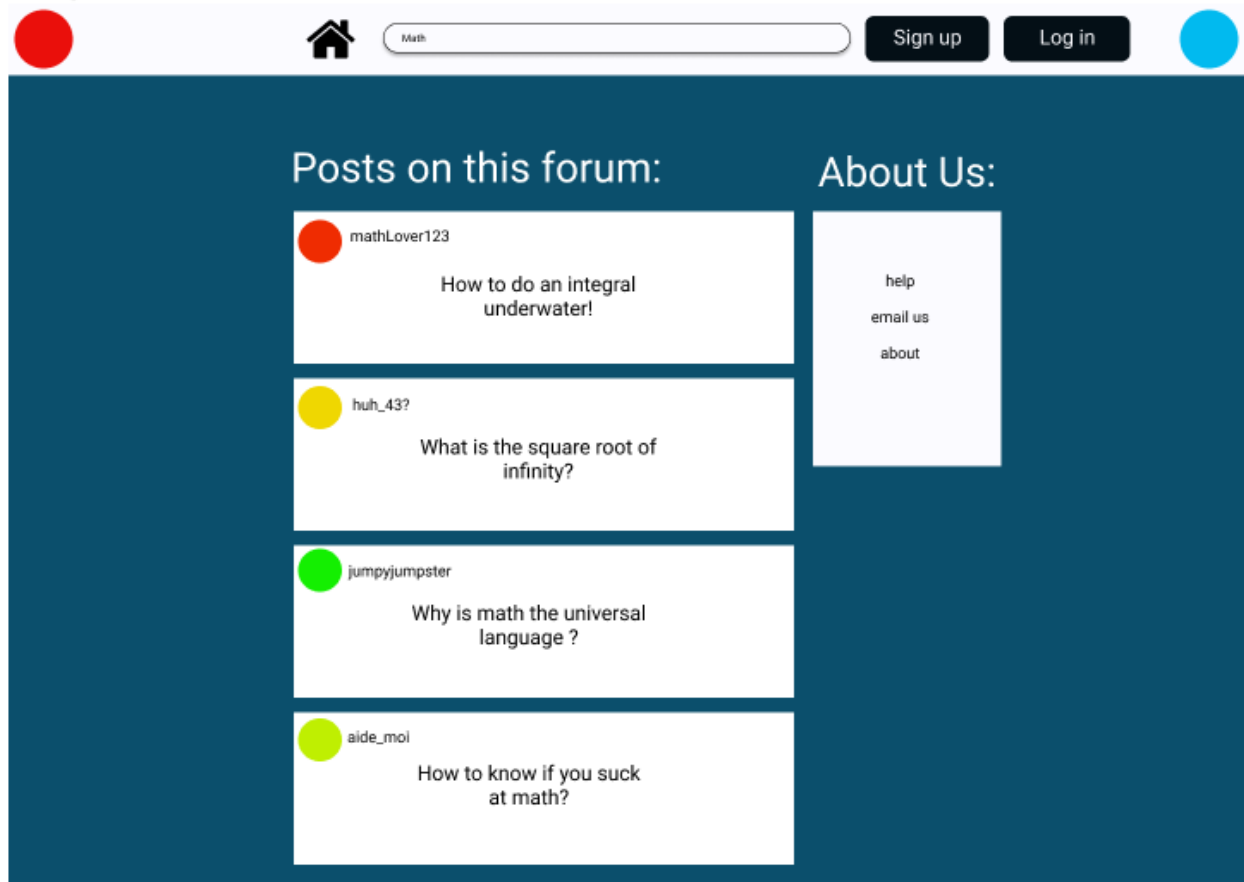


This is the admin page where users can be disabled or enabled. Can be accessed through an admin user's profile page. Admin's can also see the user's post history and look deeper into their posts. When a user is disabled their posts won't be able to be seen and their profile page will be disabled.



This is the user page. After a user has been logged in, the user can visit this page to make edits to their username, email, and display photo. Underneath, the user's history of activity is displayed from previous posts and comments. We can also access the admin page for verified admins on this page. The UI is a bit large in this example but will be shrunk when creating the actual website to be consistent through the other webpages.





This is the forum page, which allows a user to search a forum with posts, based on what they type in the search bar. Users can click on these posts in the forum to be taken to that post's page

Math

Sign up Log in

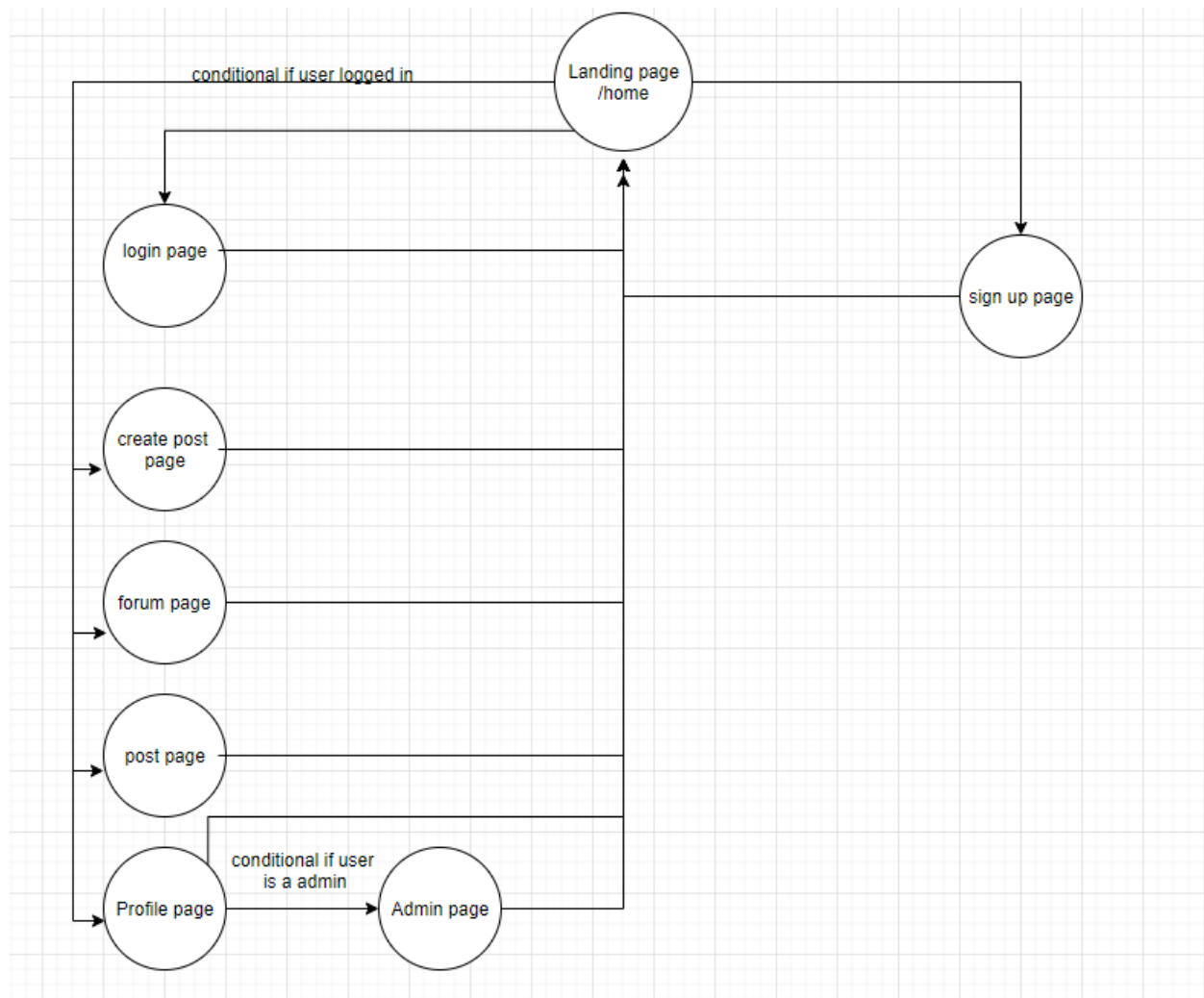
## Create Forum

Title:

☒ I confirm the creation of this forum

Create

This is the forum creation page where user's can create a whole new forum where they are automatically assigned as admin. The login and sign up buttons won't show up in the header the user is signed in.



This is the map that shows how a user can access the different pages.

Logical process:

Anyone who visits the site will first be directed to the landing page. In order for the user to use the site they will have to log in. If they do not have an account they must sign up. Once logged in or signed up they will be redirected to the landing page, from here they have multiple options. The options include, searching forums, creating their own post, viewing other posts on the post page, visiting the profile page, and if an admin, being able to access administrator authority through the profile page.

The engagement with the site is very much like reddit, where a user views/interacts/creates posts.

Administrators have the authority to delete posts and or comments on posts. They can also ban accounts by deleting them.

Discussion regarding the design and styles of all pages:

The styling of the pages and their design is quite simplistic. Much of how a page will look can be seen through the images above. What remains constant throughout each page is the top navigation bar which includes, the site logo on the very left, a home button that takes you to the landing page when clicked, the search bar to search of different types of forums, a signup button to newcomers to the website, a login button to already existing users, and lastly a profile picture of the active user on the site. Note, the profile picture will be greyed out prior to a user being logged in and many of the site's functionality will be locked until a user is logged in.

Client-side validation:

Making use of regular expressions, the client side inputs will make sure the user has entered in inputs with proper format (no special characters, using the '@' symbol for email).

Client-side security:

POST methods will be used over GET in order to maintain client side security.