Write-Up

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Description: This website is designed for students to share their experiences in school and to allow them to communicate with one another via posts and comments.

Achievement:

Features	Description
User authentication(login and sign-up)	Users can sign up and login, and will automatically sign in after closing the browser if they did not log out.
Create Communities	Users are able to create communities which they can join and leave.
Create Posts	Users are able to create posts under each community and are able to delete and edit the posts.
Create Comments	Users are able to create comments under each post and are able to delete and edit the comments.
Search Bar	Users are able to locate the community by typing in the community header in the search bar.
Home page	Users will be able to find all the communities they have joined here for easier reference, and will be able to leave them if they want.

Due to time constraints, I am unable to finish the feature of dark mode for the website.
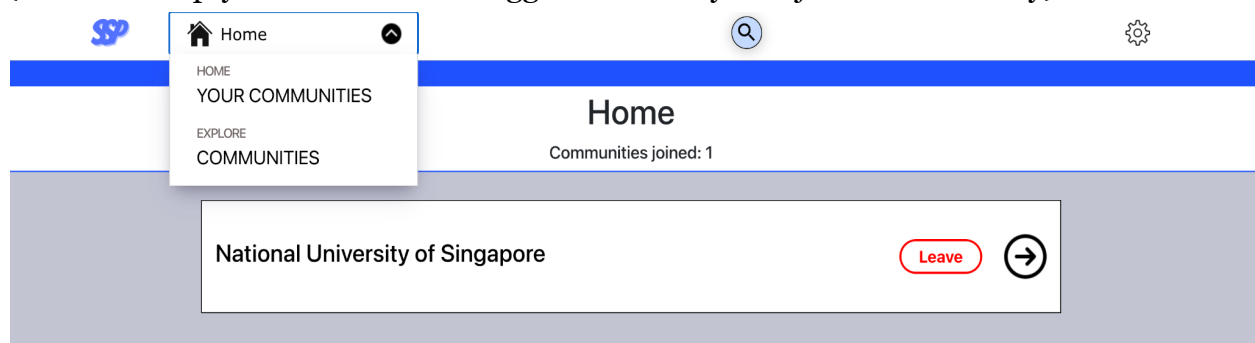
Learning experiences:
CSS is really fun to play with, especially when you are able to create animations coupled with user interactions like hover. I have prior experience with react so using it was manageable, except for issues like latency when using react hook like useState.

Ruby on rails was fairly hard to master at first, especially when it comes to MVC. However, after playing around, I realised that it is really such a useful tool. Although we are only allowed to use rails as api, it is really interesting to see how rails is able to render view for us with such a basic structure at first. The model relations are also very useful in helping us to keep track of the relations between the data tables. They are also easy for us to filter and look through the database using queries.
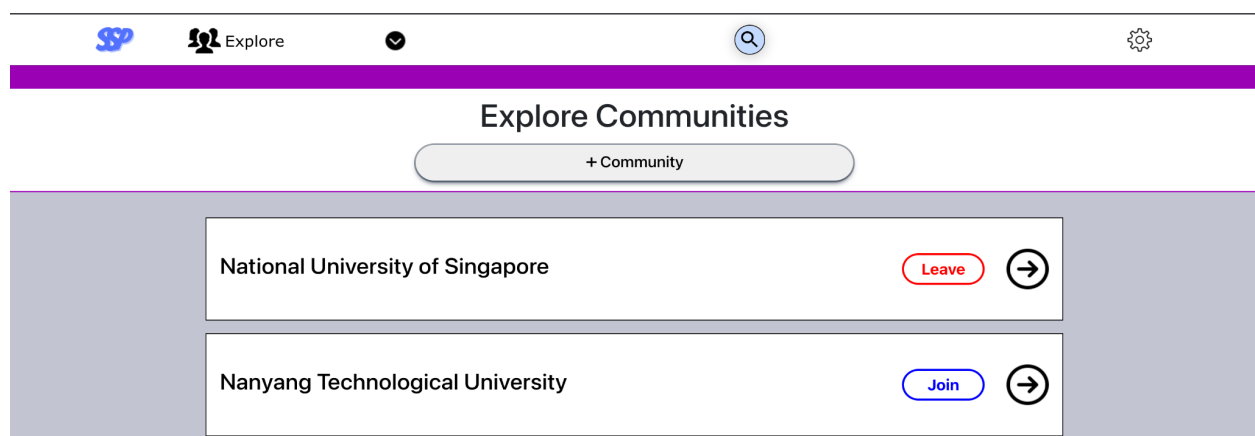
I have also been working on code quality by trying to remove redundant codes, as well as annotating them.

User Guide

Upon entering the website, the user will be brought to the home page where it will display the communities joined by the user(if they have login). It looks like this:
(It will be empty if the user is not logged in or has yet to join a community)

As seen above, users will be able to leave a community that they have joined by clicking on the "leave" button, and the community will be removed from the home page.
By clicking on the dropdown, the user will be able to navigate to the explore page where they will be shown all the existing communities(w/o login). I have created some dummy data for display purposes.

Users will be able to add new communities by clicking on the add community button in the header, and join and leave communities by clicking on the button next to the header after they have logged in. If they are not logged in, the login prompt will appear:

(For login)   (For Sign-up)

With or without login, users will be able to click on the community displayed on the page and navigate to the feed page where they will see this:

(Top of the page)   (Posts and clicking on the comments button)

At the top of the page, there is a button where user can click to join the community (login prompt will appear if users not logged in). The header of the community, as well as the number of posts and users, and the creation timing, is also displayed.
Users will be able to create a post which will appear under the "Posts" header upon submitting(login prompt will appear if users not logged in). Scrolling down, users will be able to see the posts and click on the comments to create their own comments for the posts(login prompt will appear if users not logged in). As seen from the pictures, users are able to edit and delete their own posts and comments. There is also a created and edited time displayed for the posts and comments. Lastly, users can log out.