

CVWO Winter Assignment – Final Writeup

Name: Jeffrey Jian Yu Jie A0258551Y

1. Reflection

Taking on this assignment has been a fun yet fulfilling experience for me. This CVWO assignment pushed me out of my comfort zone to self-learn about creating websites and applications. Looking back, I am thankful to have embarked on this journey to broaden my knowledge on web development.

While I had some experience in building websites using ReactJS, I had little to no experience in creating backend for websites and was unfamiliar with any of the web application frameworks. I focused on learning Go, and how the frontend interacts with the backend and the database. As I read through the tutorials provided in the PDF and enrolled in online courses to pick up these tools and practices, I gained confidence in implementing my app.

Next, I focused on coming up with a list of features I want and additional tools to implement in my application and worked on them. I narrowed down to a few additional tools, namely:

- Making my web application mobile friendly
- Incorporating the use of Redux stores, slices and query in the application
- Adding a search bar in the application for users to easily search up posts
- The ability to 'like' posts and view all 'liked' posts
- Deploy my application

Having invested countless hours into this project, I am proud of what I have achieved and learned while working on this application. I look forward to gaining a deeper understanding in software development, and collaborating with others on large scale projects.

2. User Manual

Deployed application link: <https://jeff-forum.netlify.app/>

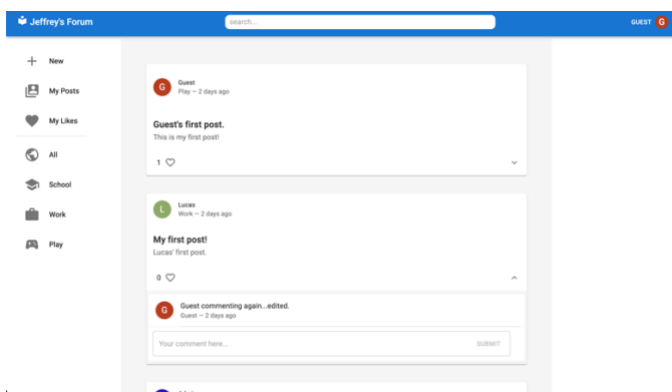


Fig 1. Homepage View

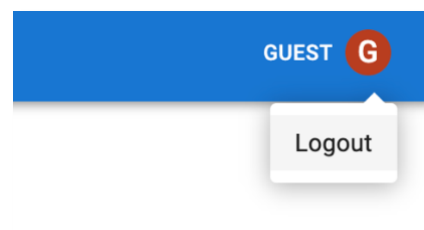


Fig 2. Logout button

1. Upon first entering the application, the user will be greeted with the homepage, and logged in as 'Guest'.
2. User may choose to logout of the 'Guest' account by clicking on the avatar icon on the right of the navigation bar, then clicking 'Logout' from the dropdown menu.

3. Users who are not logged in will still be able to view all posts and comments, as well as use the search/filter functionalities. However, only logged in users will be able to create new posts and comments, and edit/delete their created posts and comments.

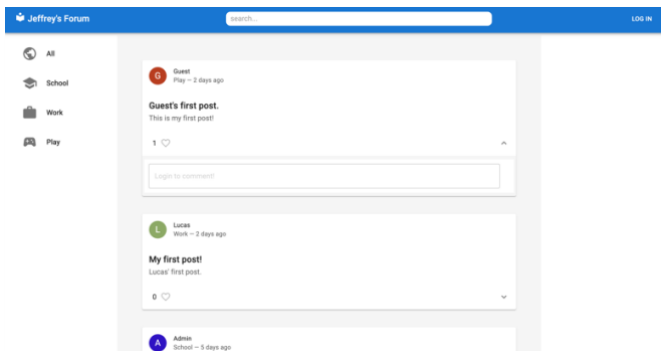


Fig 3. Homepage view of a logged out user

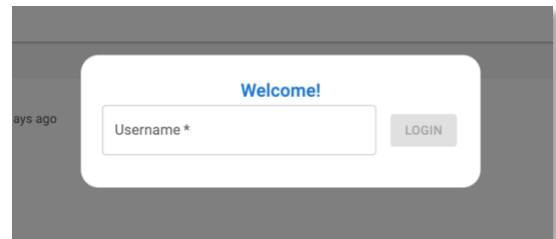


Fig 4. Login Modal

4. Certain buttons (e.g. Create new post) are hidden from the side bar. They are also unable to 'like' posts and add comments.
5. To log in, click on the 'Log In' button on the right of the navigation bar. A login modal will be displayed.

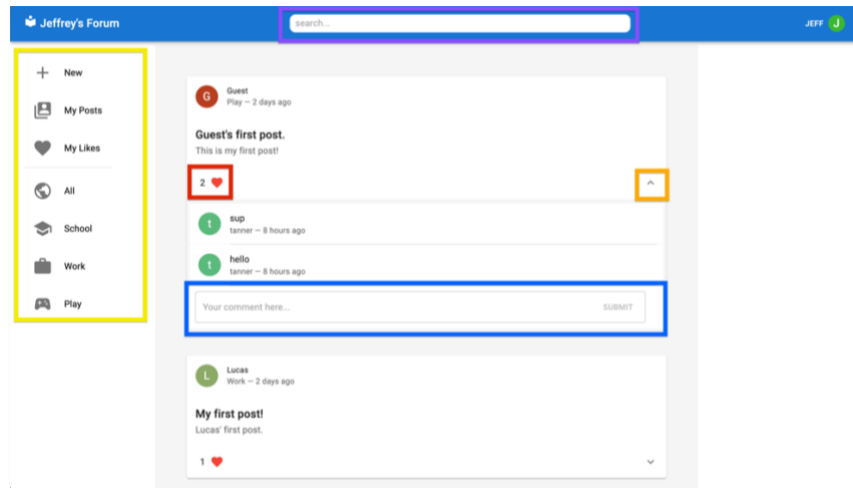


Fig 5. Homepage View

6. From the homepage, users may:
 - Search for a post using the search bar (highlighted in purple)
 - Like posts on their feed (highlighted in red)
 - Show comments for each post using the dropdown button (highlighted in orange)
 - Comment on posts (highlighted in blue)

7. Additionally, the sidebar provides additional features (highlighted in yellow), including:
- New – create a new post
 - My Posts and My Likes – show only posts created by you/ posts liked by you
 - Filtering posts on the feed by category

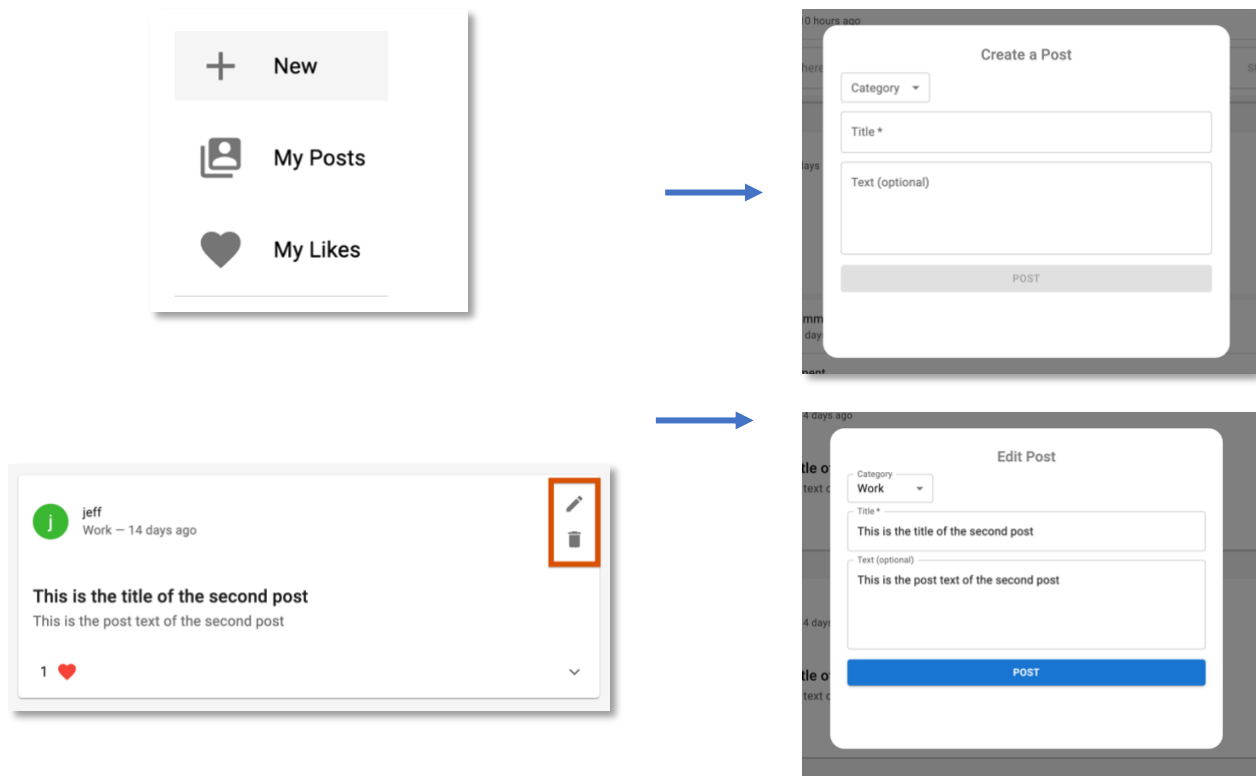


Fig 6. Create / Edit Post Modals

8. Upon clicking on the 'New' button on the sidebar, a modal form will be displayed, and users can choose the category, type in the title and text of their new post.
9. Hovering over self-created posts will display buttons to edit and delete the post (highlighted in red). Clicking on the edit icon will bring up a similar modal form. The form fields will be filled with the content from the original post.



Fig 7. Edit Comment View

10. Similarly, hovering over self-created comments will display buttons to edit and delete the comment. Clicking on the edit icon will bring up an input field to edit the comment.