Documentation

For the design of this project, all the files that I have worked on are under the /src folder. In there, contains all the JS and JSX files that make the application work; they also contain all the HTML since that is a neat React feature that slightly changes the layout.

At the start of the whole project is the index.js. This is where it creates the imaginary React DOM to perform all the operations. In here, it creates the App.js class which basically handles most of the application.

In the App.js class, it is kind of like a controller. The first part of the application is logging on with a username. That is controlled within the App.js class and then redirects you to the main application once logged in. The App.js class mainly handles most of the routing in this application. For instance if you click on a tab, you get routed to a different part of the application. The database is also initialized in here. By default, the application routes you to the Posts.jsx content.

In the Posts.jsx file, here contains all the logic for creating posts. All the already created posts are loaded up in the beginning and then any addition post from a User is added as well.

In the InnerPosts.jsx file, the logic is very similar to the logic in Posts.jsx. The main difference is that in this file, different database references are used for different groups.

In the Notes.jsx file, here contains all the logic for the notes. There is not much to do in this tab other than to delete unwanted notes, so there is not that much logic.

In the Stats.jsx file contains all the logic for the data visualization and analyzing. It uses the D3 library for visualizations and the posts from post.jsx are analyzed in this tab.

Any other files created are due to React starting off an initial empty project.