Refactoring

Below is a list of the various changes we made while refactoring.

|  |  |  |
| --- | --- | --- |
| Task | Who | Why |
| Add Log4J to the project and logging to the services | Jacob McEwan | Much of the code acts silently so debugging errors and finding general information about the current state of the app is currently very difficult or even impossible. Adding logs to the app allows for after-the-fact debugging |
| Restructuring the test folder | Moritz | Currently all the tests are in one file and are painful to sift through for finding a particular test. Organizing tests by feature group will aid in keeping track of tests and keep editor windows clean. |
| Rename app tab | Moritz | The tab name in the browser was left as the React App default. It should better reflect the app’s brand to help people know what apps they are using. |
| Redo the menu bar | Minggang | Many of the actions available on the menu bar are related or user dependent. Grouping some of these will provide a better user experience and simplify the code for user types. |
| Rewrite the API to use Axios instances | Minggang | Currently configuration of the API for the frontend is managed through multiple separate variables in different files and need to all be bought together for each request. Axios instances should allow the configuration to be packaged together to keep code clean and readable, while reducing duplicated code. This means changing settings will be easier as there will only be one place for them. |
| Refactor book forms to look better and display errors properly | Jack, Minggang, Jacob | The add book form is quite unfriendly for users, so fixing the styling to follow the same design as the rest of the site. Additionally, error handling is poor for users so making sure that the errors are displayed properly in all cases is important. |