

Progress Report Group 07 Hills

Item: API 1 Features (OAuth API)

Current Status: API successfully implemented into the application; allowing the user to sign into their Google account and connect to Firebase, which will store all data regarding the different groups. The user can also sign out of their account at any time.

Note: This API was changed from the Google Docs API, as the Docs API requires security clearance and other documents before the developer has access to the API.

Item: API 2 Features (Google Drive API)

Current Status: Still working on the API Implementation. This will allow the user to upload existing files to share with their group, and also create their own notes that can be viewed or modified by everybody in their circle.

Item: Application Interface

Current Status: The interface is fully developed and interactive with the features of the application. It is designed using Tailwind CSS, JavaScript, and HTML within a React framework; incorporating both APIs and their features into a functional user-friendly GUI.

Item: CI/CD

Current Status: The CI pipeline runs on push and pull requests to the main branch and is built via GitHub actions. It adds project dependencies and runs checks to validate the code. The pipeline guarantees that new modifications get tested before merging other branches into the main branch.

Item: Application Testing

Current Status: The tests have been built for API 1. They include unit tests for authentication functions (sign-in, sign-out, current user retrieval), component tests for the login page functionality (UI rendering, button actions, error handling), and integration tests for the authentication flow. The testing framework uses Jest and React Testing Library to verify both the technical functionality and user experience aspects of the authentication process. All tests run automatically in the CI/CD pipeline to ensure that authentication features remain functional when code changes are submitted.