

# Progress Report #4

## 1. Work Date / Hours Log

Date	Number of Hours	Description of Work Done
Oct 24	2	Group meeting, shared project updates and planned frontend-backend integration flow once endpoints are finalized.
Oct 25	1.5	Conducted code review on existing UI modules; ensured component modularity aligns with feature/* branch naming and dev merge policy.
Oct 28	2	Temporarily hid Alerts Page from frontend navigation as the project owner thought they needed to redefine notification events and it was no longer a must-have page. ( <i>commit 6980299</i> )
Oct 30	3.5	Conducted UI testing and component refactoring for navigation consistency after hiding Alerts Page. Verified mock API responses using Postman to ensure data contract consistency.
Oct 31	1.5	Studied pagination best practices for large datasets in React Query and Supabase; compared infinite scroll vs discrete pages.
Nov 3	3.5	Implemented pagination feature and merged into dev branch (feat/pagination); replaced infinite scroll with page-based navigation across modules. ( <i>commit 379de94</i> )
Nov 5	1.5	Conducted sitewide UX testing and wrote progress report

## 2. Description of Implementation Completed

During this reporting period, my frontend development work reached near-completion. With all core UI modules implemented in previous sprints, my main focus shifted to system maintenance, optimization, and pre-integration tasks while waiting for backend completion.

The first task completed in this cycle was the page and navigation update. I temporarily removed the Alerts Page and updated the navigation bar accordingly. The update was committed under ID 6980299 and served as a preventive measure to maintain UI reliability during development.

The second major accomplishment was the pagination feature implementation, which replaced the previous infinite scroll logic with a robust sitewide pagination system. This change significantly improved the dashboard’s usability by reducing unnecessary loading time and enhancing the readability of large datasets, particularly in user and content management sections. This update was finalized and committed under ID 379de94.

In addition to implementation tasks, I dedicated time to research and testing Efforts to prepare for upcoming backend integration. While waiting for my teammate to complete the Supabase API endpoints, I studied Supabase pagination and filtering methods to improve API performance and scalability.

Overall, this phase of the project marked the completion of core frontend functionality. The dashboard now features a modular, scalable interface supported by well-structured navigation and pagination, and it is fully prepared for backend integration in the next development cycle.

### 3. Repo Check-in Summary

Date	Commit ID	Branch	Commit Summary
Oct 17	6980299	dev	Temporarily removed Alerts Page and updated navigation to maintain UI stability before backend completion.
Oct 21	379de94	dev	Implemented modular pagination component across key modules and replaced infinite scroll with page-based navigation.