

Weekly Activity Report

Week: 4 (September 21 - September 26, 2025)

Team:

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During the fourth week of the internship, the team focused on finalizing the development and integration of the web platform. All remaining functionalities for students, tutors, and administrators were completed, ensuring the application met the planned objectives. Student features such as tutor search, lesson schedules, reviews, and profile management were implemented, while tutor functionalities including calendar management, handling booking requests, and lesson schedule oversight were finalized. Admin features covering reports, analytics, system settings, and role management were also completed.

Security remained a central focus this week. Multi-factor authentication (MFA), secure cookie attributes, SSL/TLS encryption, CSRF/XSS protection, and input validation were all verified and fully integrated into the application. The team conducted functional and security testing to ensure that both the platform and its data were properly protected against common vulnerabilities.

The internship report was completed and structured according to the required sections, consolidating all technical work, UML diagrams, security measures, and development experiences. Also the final presentation was developed and enhanced through mentor feedback. Team collaboration was smooth, and tasks were accomplished efficiently by all team members, allowing the group to focus on preparing for the final presentation and demonstrating the fully integrated secure application.

Completed Tasks and Activities:

- Full integration of Frontend and Backend components.
- Finalized student functionalities: tutor search, lesson schedule, reviews, profile management.
- Finalized tutor functionalities: calendar sync, booking requests management, lesson schedule management.
- Finalized admin functionalities: reports, analytics, system settings, roles, and permissions.
- Verified and implemented security measures: MFA, secure cookie attributes, SSL/TLS encryption, CSRF/XSS protection, input validation.
- Conducted functional and security testing of the platform.
- Completed and structured the internship report for final presentation.