

Weekly Activity Report – Week 3

Overview

This week focused on enhancing user experience by implementing critical features such as handling borrow requests, enabling real-time notifications, and improving the search functionality on the main page. In addition, I attended several training sessions that provided valuable insights into modern software development practices, including AI tools, CI/CD guidelines, and database design best practices.

Daily Activities

Monday

- Attended workshop: *Unlocking the Future: AI Tools for Software and Quality Engineering*
 - Learned about AI-driven testing and automation approaches that can improve software quality and reduce manual workload.

Tuesday

- Attended training: *CI/CD General Guidelines*
 - Gained knowledge on streamlining build, test, and deployment pipelines.
 - Identified potential improvements for integrating CI/CD practices into our project workflow.

Wednesday

- Attended session: *Database Design and Best Practices for APIs*
 - Explored normalization, indexing, and schema design for scalable applications.
 - Learned best practices for designing APIs that are efficient, maintainable, and secure.

Development Work (Throughout the Week)

- Implemented **accept/reject functionality** for borrow book requests.
 - Added **notification system** to allow users to view incoming borrow requests.
 - Integrated **search bar functionality** on the main page, enabling users to easily search for books.
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Completed Tasks

- Borrow request management (accept/reject).
 - Notifications display for pending requests.
 - Search functionality on main page.
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Milestones Achieved

- Enabled end-to-end workflow for borrowing books (request → notification → response).
 - Delivered first iteration of search and notification features that improve overall usability.
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Contributions to the Team/Project

- Improved user interaction by developing and testing critical borrowing features.
 - Enhanced collaboration by aligning feature implementations with team goals.
 - Shared knowledge from training sessions with the team for potential process improvements.
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Training Sessions Attended

- *Unlocking the Future: AI Tools for Software and Quality Engineering*
- *CI/CD General Guidelines*
- *Database Design and Best Practices for APIs*