

Logbook - Efe Kaan Fidancı (ID: 22102589)
Course: CS492 - Spring 2024-2025 Semester
Project: Edux

Introduction

This logbook provides a week-by-week breakdown of my contributions to the Edux project over 14 weeks. I worked on backend logic, frontend enhancements, microservice integration, testing, and documentation while assisting in team coordination and reporting.

Week 1: Initial Backend Development

- Implemented backend logic for the Quizzes page in the deprecated monolith system.
- Implemented backend logic for the Flashcards page in the deprecated monolith system.

Week 2: Initial Backend Development and little UI

- Began working on backend logic for the Syllabus page.
- Enhanced the UI of the Flashcards page for better usability.

Week 3: UI Improvements

- Improved the UI of the Quiz page with a cleaner design.
- Updated the UI of the Syllabus page for consistency.

Week 4: Introduce Responsiveness

- Added loading spinners to reduce perceived wait times.
- Integrated toaster notifications for user feedback.

Week 5: Course Dashboard

- Enhanced the Course Dashboard UI for better navigation.

Week 6: Microservice Integration Preparation

- Assisted in directing the Pull Request for microservice migration.

Week 7: Microservice Integration Testing

- Helped test microservices with the author (Ediz).
- Wrote documentation for microservices, including common setup issues, required .env configurations, and Docker container setup.

Week 8: Post-Microservice Adjustments Flashcards

- Re-implemented the Flashcards page due to microservice changes:
 - Fixed API endpoints,
 - Adjusted flashcard retrieval logic,
 - Updated UI elements

Week 9: Post-Microservice Adjustments Quizzes

- Re-implemented the Quizzes page:
 - Corrected endpoints,
 - Adjusted quiz retrieval logic,
 - Updated UI elements
 - Ensured proper quiz loading

Week 10: Subscription Logic

- Implemented hooks for checking the subscription related stuff
- Implemented subscription-tier restrictions for:
 - Course creation
 - Chat creation
 - File uploads
- Added toaster warnings when users attempt restricted actions.

Week 11: Homepage Enhancements & Validation Fixes

- Added a "Flashcards" section on the homepage for quick access.
- Added a "Recent Quizzes" section on the homepage for easier navigation.
- Fixed backend validation logic to prevent incorrect data submissions.
- Helped with the Final Report
- Updated the project website by uploading the new report.

Week 12: Finalizing Stuff, Testing & Surveys

- Testing the system before the dome, looking for potential issues that may arise, and addressing them.
- Prepared a part of the presentation

Week 13: CS Fair Preparations

- Helped with the design of the poster
- Once again updated the project website

Week 14: Everything is Fine Now!

- At this point we should have already completed everything that is to be done for this project...
- It was a very long and a fun project. Huge thanks to all of my team members, and to you for reading this far.