

Web Application Project

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Goal of the Project

The aim of the project is to develop a web application that efficiently manages a complex course with diverse activities, tasks, and team projects. It includes features for task assignment, progress tracking, team project evaluation, assessment communication, export functionality, and load calculation, providing a comprehensive tool for course administration and evaluation.

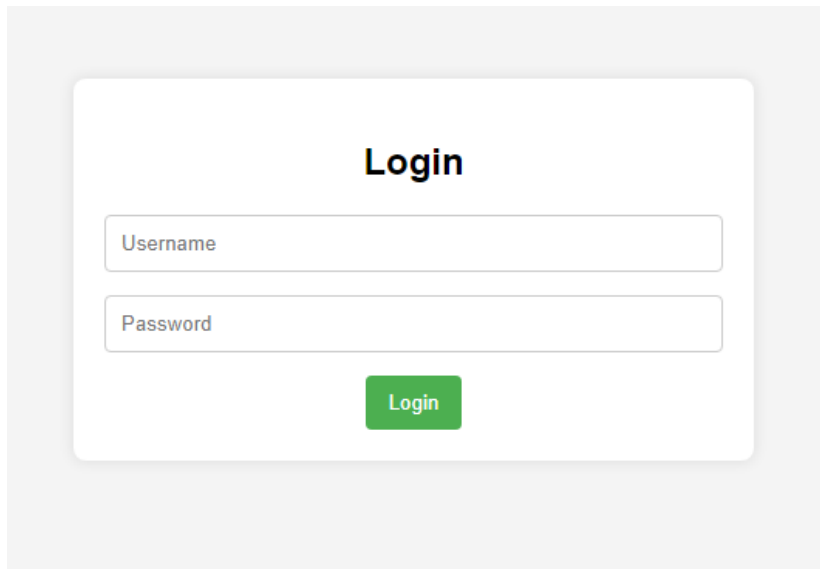
Technologies implemented

The project was implemented in Java using the Spring framework with Maven. Insights from a Spring lecture highlighted the appropriateness of this technology for our project, owing to its robust ecosystem and versatility. The inclusion of key components such as Spring Boot, Spring Security, along with tools like the MySQL connector and Java Persistence API, not only facilitated a streamlined development process but also significantly enhanced the overall efficiency of the project.



MySQL

We opted for the MySQL database to power our project, maintaining it locally for ease of manipulation. The decision was driven by the seamless integration with Spring's dependencies and Hibernate, contributing to a well-orchestrated development environment.



Login

Username

Password

Login

Figure: Simple login page

ADMIN PAGE:

Welcome, **xrives00!**

Name: **Louis**

Email: **louis@gmail.com**

Role: **ADMIN**

[Go to Course Page](#)

Figure: Admin page, appears after logging in as an Admin, the same Teacher page exists when the User is a Teacher

[Home](#)

Currently logged in as: Louis (privs:DD, ADMIN)

Courses

New Course:

[Add Course](#)

Figure: Page with every courses (home page)

[Home](#)Currently logged in as Louis (xives00_ADMIN)

Activities for Course: GJAe

Activity ID	Activity Name	Action
2	Project	Delete
3	Final Term	Delete
6	Test1	Delete

Activity Name:

[Add Activity](#)
[View Criterion](#)

Figure: Page of a specific course

[Home](#)Currently logged in as Louis (privs00, ADMIN)

Activities Page

[Back to current course](#) [Workload statistics](#)

Tasks

Task 1: Project

Task 2: Test

Task Name:

Task Type:

Description:

Start Date:

End Date:

[Add Task](#)

Figure: Activities page

Criterion Page

User : user1

[Back to Courses](#)

All Criteria

Criterion ID	Category	Criterion Name	Check Procedure	Evaluation Method	Max Points	Action
3	Test	Criterion One	Manual	1	50	Delete Edit

Add New Criterion

Category:

Criterion Name:

Check Procedure:

Evaluation Method:

Max Points:

[Add Criterion](#)[Edit Criterion](#)

Figure: Criterion Page

Edit Criterion

Category:

Test

Criterion Name:

Criterion One

Check Procedure:

Manual

Evaluation Method:

1

Max Points:

50

Save Changes

Figure: Criterion's edit

Workload statistics for Lecture activity

User	Hours	Percentage
Teacher One	25	45%
Mister Teacher	30	55%
Total	55	100%

Figure: Workload Page

Conclusion

In conclusion, our project's success is attributed not only to the functional web application it delivers but also to the thoughtful selection and effective utilization of technologies. The collaborative effort, combined with the chosen stack and development practices, has resulted in a project that is not only functional but also well-architected, laying the foundation for future enhancements and expansions.