Capstone 3 for Web Application Development by JAVA (Groups)

Congratulations on reaching the third capstone of the course! Over the next three days, you will be working on your third capstone that will allow you to further apply your knowledge and skills to build another real-world application. This project will serve as a demonstration of your proficiency in building a Spring boot server, focusing on JPA Relations.

Project Description

Choose your own creative idea to implement it as spring boot server with JPA Relations.

Students will work in groups of 3 and submit their own project. Below you will find expectations and minimum requirements.

Be creative, and have fun!

Rules & Guidelines

- **Dependencies:** Each student should use all required dependencies: Spring web, Lombok, Validation, Spring Data JPA, MySQL Driver.
- **Layers:** Each student should use all required layer: Controller, Service, Repository Layer and Controller Advise.
- **Version Control (Git)**: Create a GitHub repository to host your capstone project. Use non-main branches for development and create Pull Requests to merge major features. Commit frequently with descriptive messages to show your progress.
- **Academic Integrity**: Do not copy or reuse code from previous modules or external sources. The project is a showcase of your learning progress.
- **Learning References**: You may refer to course materials and code examples as learning references but implement your solutions independently.
- **Instructors Support**: The instructors will be available for general questions and guidance throughout the project.

Minimum Requirements

1- At least 5 tables
2- Include all CRUD operations (Create, Read, Update, Delete)
3- At least 30 endpoints

Ideas for extra credit

Beyond the minimum requirements, you are encouraged to use your imagination to make this application as nice and complete as you wish.

Below are some ideas you might find interesting, but you are not restricted to them.

Add from 5-7 extra endpoint to get extra credit.

Resources

These are some resources that may help you in implements the project:

https://www.javatpoint.com/spring-boot-jpa