SWE 523 PROJECT STUDY 1 (2024)

Due date: 1 November 2024, class time.

In this project you will develop a Java Spring-Boot web application using code-first approach with either MySQL or PostgreSQL database connectivity. Your subject was announced last week. Figure 1. shows some example views which are developed in the class for car-rental example. However, you are expected to work on your own subject and create similar functional views based on your problem. This is kind of art and engineering, show your skills!

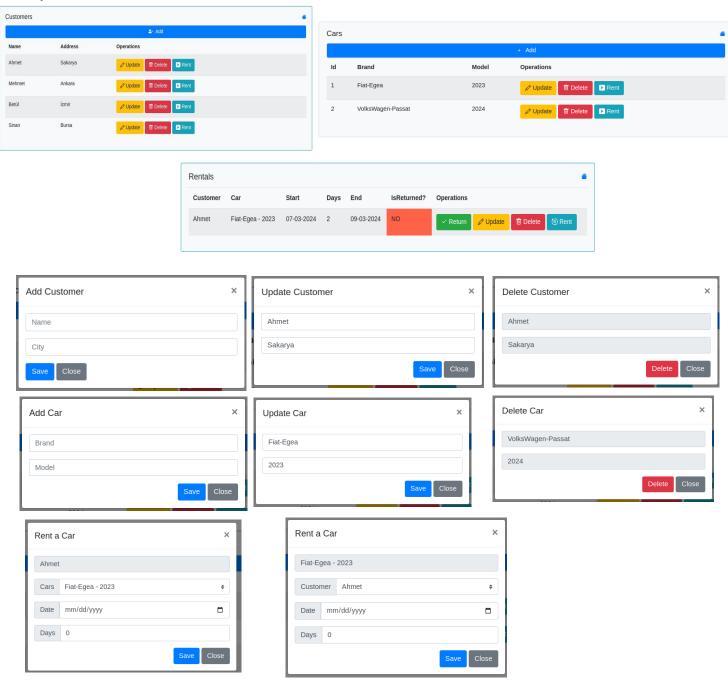


Figure 1: Example web views for car-rental project. Top three are index views for the tables, and the following six views are for CRUD operations. The last two views are for relation table. Observe that the "Rent" buttons on both views provides quick accesses.

Grading:

No Task		Grade
1	Creating the database and tables in DB server.	5
2	Creating model entities and required DTOs (or view-models).	20
2	Creating all controllers and CRUD methods.	20
3	Creating repositories that implements standard methods and queries for special SQL operations if needed.	20
4	Creating functional views with HTML, CSS and JavaScripts.	20
5	Everything works as described with no error, exceptions handled properly.	15

PS: In class presentation is required.