SWE 212 PROJECT STUDY 2 (2025)

Due date: 1 April 2024, class time.

In this project you will develop a Java Spring-Boot web application using code-first approach with MySQL or PostgreSQL database connectivity. All CRUD operations must be working and exceptions must be handled. Figure 1. shows some example views which will be 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 and impress us! **PS:** Your group subject was distributed in the beginning of the semester.
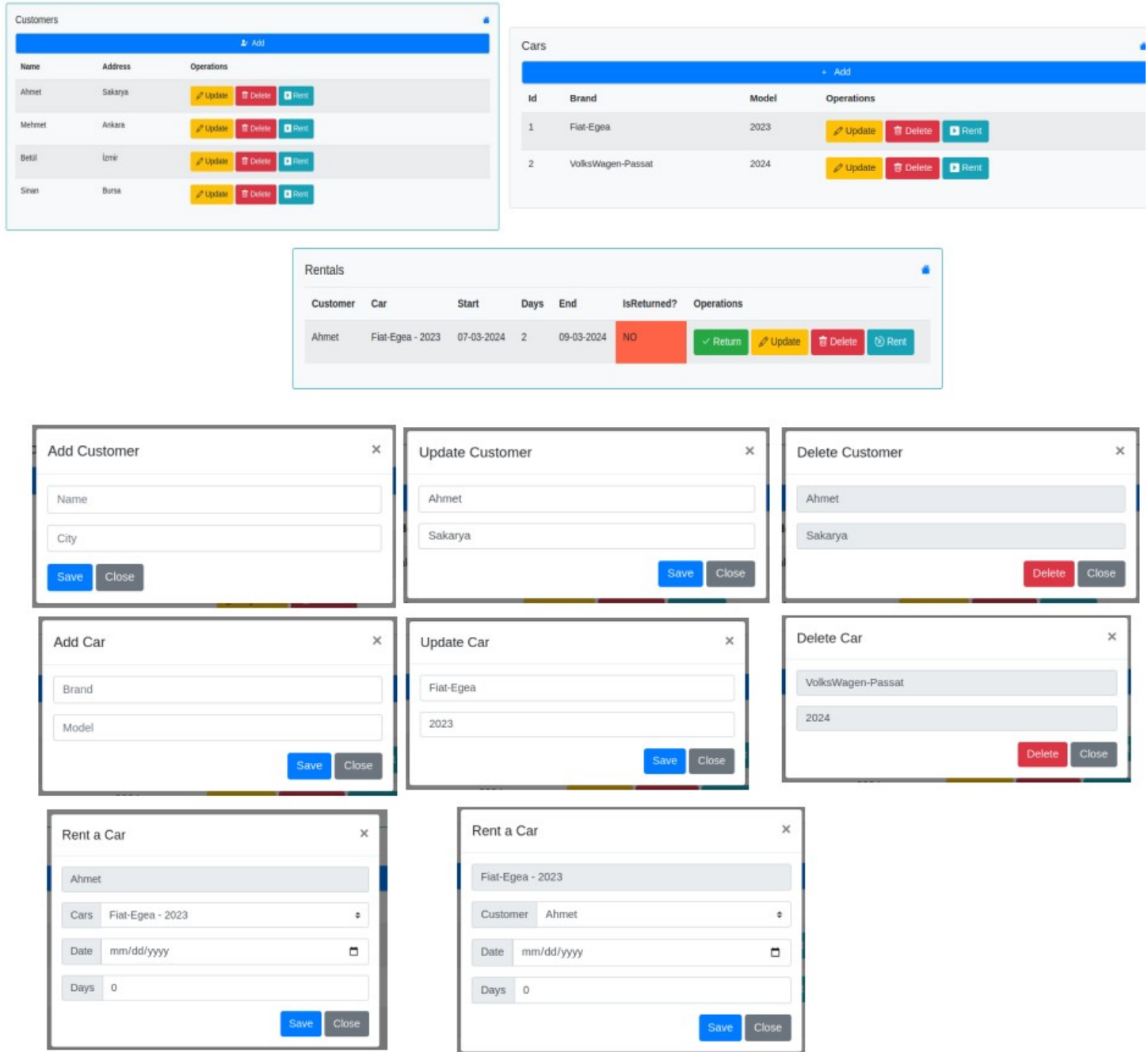

Figure 1. Some example web views for car-rental project. Top three are record views for the tables, and the following six views are for CRUD operations. The last two views are for relation table. Observe that the "Rent" buttons on both views provide quick accesses.

Grading:

No	Task	Grade
1	The database and tables in MySQL or PostgreSQL server.	5
2	The model entities and required DTOs (or view-models).	15
3	All controllers to fulfill all CRUD methods.	20
4	All repositories, services that implement all required DB operations.	20
5	Exceptions	10
6	Views with HTML, CSS and JavaScripts.	20
7	Everything works as described with no error, exceptions handled properly.	10

PS: Group presentation is required, group members must show up to in presentation to collect points.