SWE 212 PROJECT STUDY 2 (2025)

Due date: 25 March 2024, class time.

In this project you will develop a Java Spring-Boot REST API web application using code-first approach with MySQL or PostgreSQL database connectivity. All CRUD operations must be working and exceptions must be handled. Your application will be tested mainly with Postman and browser.
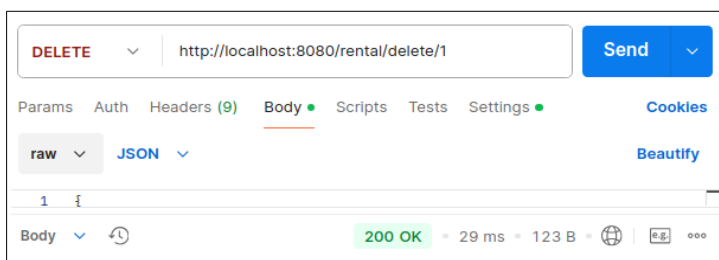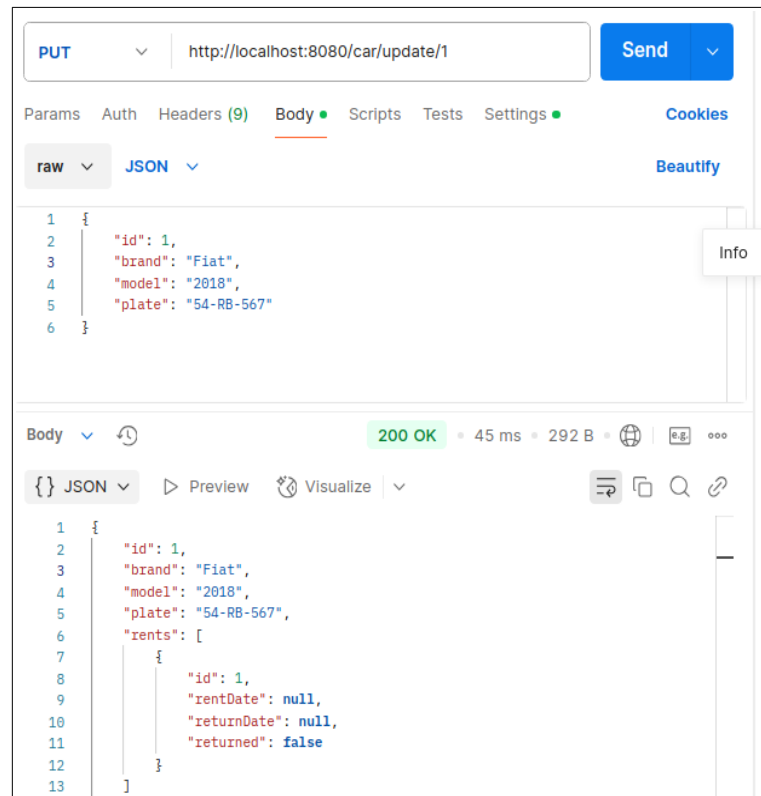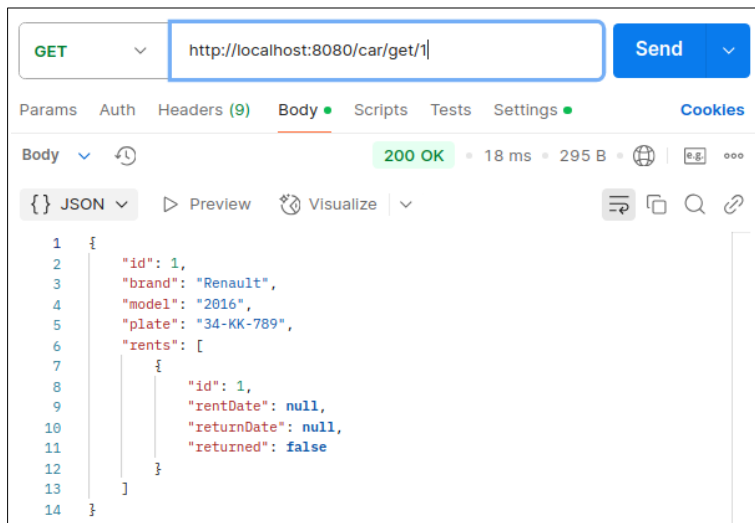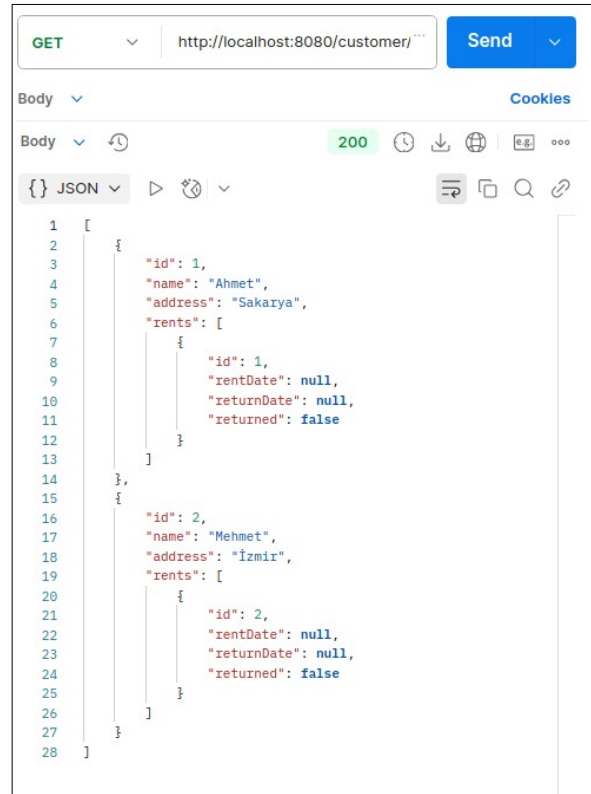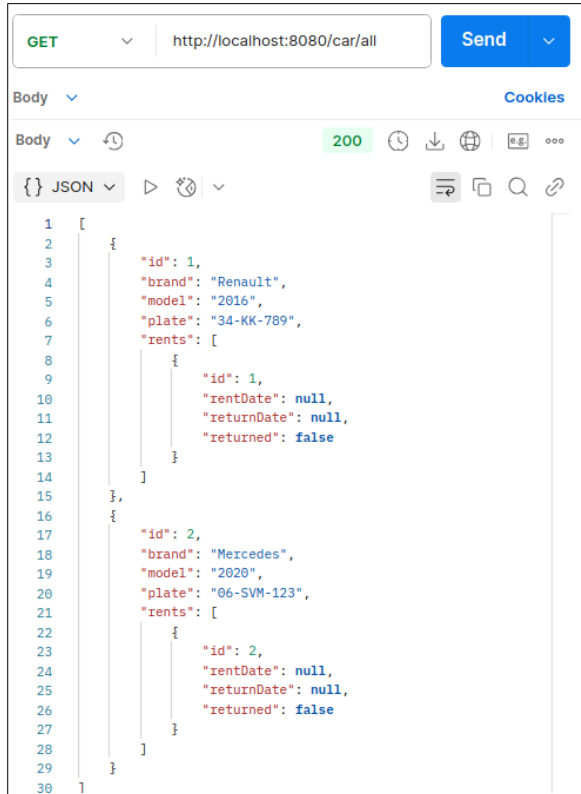

Figure 1. Some example Postman views for car-rental project.

Figure 1. shows some example views which will be developed in the class for car-rental example. More examples will be shown in the class. You are expected to work on your own subject and create similar functional views based on your problem.
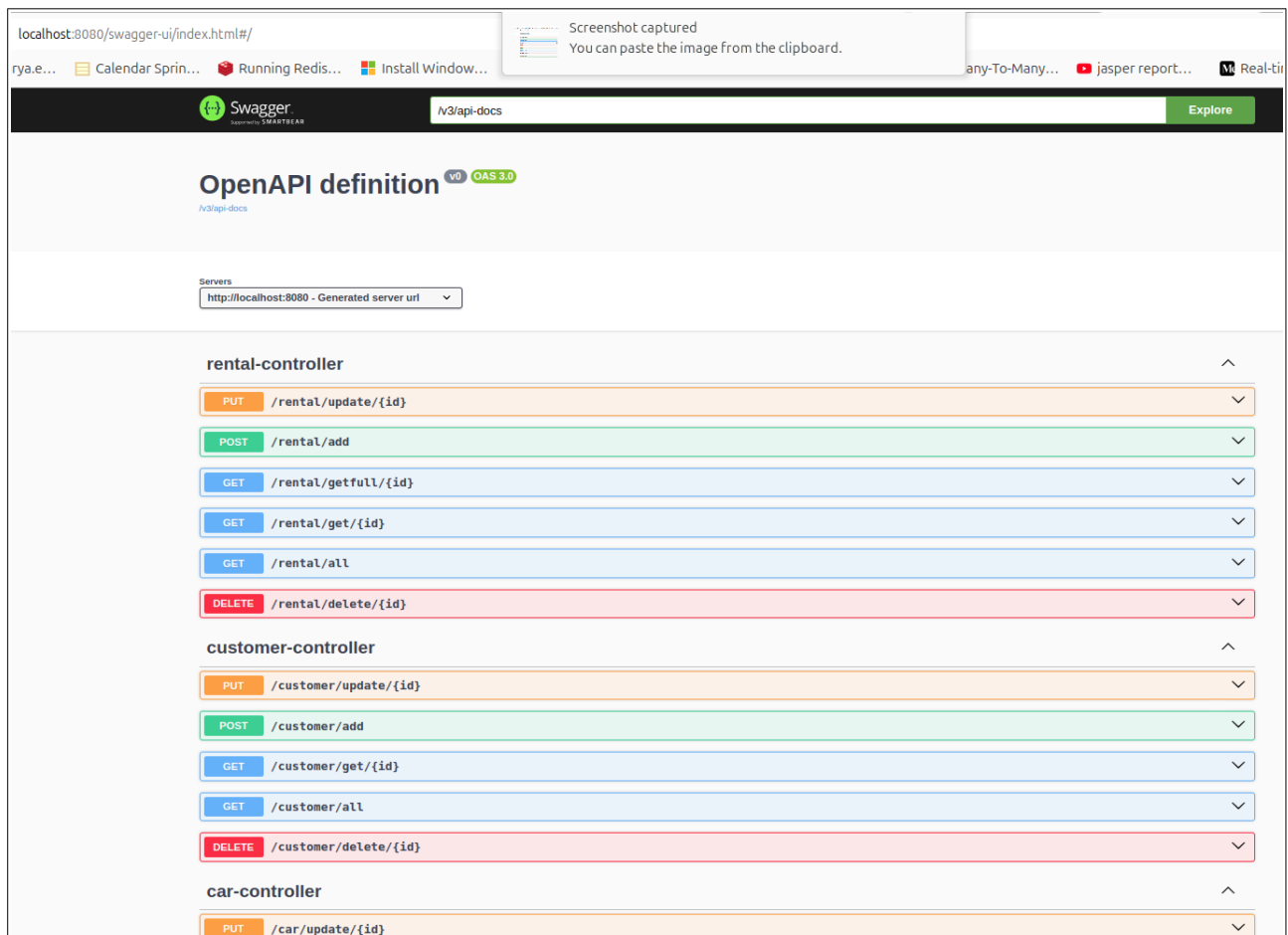

Figure 2. Swagger output.

PS: Your group subject was distributed in the beginning of the semester.

Grading:

No	Task	Grade
1	The database and tables are created in MySQL or PostgreSQL server by Hibernate.	15
2	The model entities and required DTOs.	15
3	All controllers to fulfill all CRUD methods.	20
4	All repositories, services that implement all required DB operations.	20
5	Exceptions and Swagger	20
6	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.