

**TP 2****REST Web Service Client with Spring boot and Javascript**

**Lab work objectives :** to develop the client side of a Rest Web Service:

- Using Java Spring Rest Client
- Using Javascript + Html

**Required material :**

- Java JDK only version 1.6 - 1.8
- Eclipse
- Gradle
- Template of Rest Web Service based on 1st lab: [https://github.com/olgamelekhova/carservice2\\_tpl](https://github.com/olgamelekhova/carservice2_tpl)

**Step 1. Create a Gradle project.**

- Use provided template and make import as an existing Gradle project
- Use the following build.gradle file (see: [https://github.com/olgamelekhova/carservice2\\_tpl/blob/master/build.gradle](https://github.com/olgamelekhova/carservice2_tpl/blob/master/build.gradle))

**Exo. 1: The client side of rest web service**

Use Spring framework to write a Java client.

Directory for Java client:

[https://github.com/olgamelekhova/carservice2\\_tpl/tree/master/src/main/java/com/example/client](https://github.com/olgamelekhova/carservice2_tpl/tree/master/src/main/java/com/example/client)

Implement:

- create a request to add a new car
- create a request to get list of all cars

Launch web service implemented in 1st lab work (CarServiceApplication.java)

Launch Java client to make the following requests: (CarRentalClient.java)

- add new car
- get list of all cars

**Exo. 2: Javascript client**

Write a Web client using plain Javascript and Html.

Directory for Javascript client:

[https://github.com/olgamelekhova/carservice2\\_tpl/tree/master/src/main/resources/static](https://github.com/olgamelekhova/carservice2_tpl/tree/master/src/main/resources/static)

Create 3 html files with corresponding javascript code:

- index.html with links to 'create\_car.html' and 'list\_cars.html'
- create\_car.html with the form (<form></form>) to add a new car
- list\_cars.html with list represented all added and stored cars

Open localhost:8080 to check results.

**NOTE (FOR ECLIPSE):** In order to run web server and client in parallel mode, open 2 console using the tools provided by IDE.

**NOTE:** See official documentation for Spring Boot if you have some problems.