MSCI Car Rental application handbook

# Running server application

The server application is located in the **carrental-server-app** module. The app is a *Spring Boot* application. The app uses a memory-based Hsqldb as data backend which is populated during every startup. All the data modifications are lost when the server application is shut down.

## Eclipse

The server can be run from Eclipse with a **Java Application** run configuration. The main class is *com.msci.carrental.server.Application*, and needs nothing else to be set.

## Command line

From command line the application can be run from it’s module directory (**carrental-server-app**) with the following command: *mvn spring-boot:run*.

# Running tester client application

The client application is located in the **carrental-tester-app** module. The client app is a *Spring Boot* application.

The tester application has 3 optional arguments can be set:

* serviceHost: The host and optionally port values where the server instance can be called.
* parallelNr: The number of threads to be used for sending booking requests.
* requestNr: The total number of booking requests to be sent to the server during testing.

An option can be set with the following syntax: ***--<argument\_name>=<value>***, e.g. –parallelNr=45.

## Eclipse

The tester application can be run from Eclipse with a **Java Application** run configuration. The main class is *com.msci.carrental.client.tester.CarRentalTesterClient*. The application arguments could be set on the **Arguments** tab of the run configuration as **Program arguments**.

## Command line

From command line the application can be run from it’s module directory (**carrental-tester-app**) with the following command: *mvn spring-boot:run*. The application arguments should be wrapped as value of the ***run.arguments*** parameter of the Spring Boot runner Maven plugin.

An example command for running the application with arguments present: *mvn spring-boot:run -Drun.arguments=”--serviceHost=192.168.1.1:9090 --parallelNr=25 --requestNr=123”*.