

Car-Dealer Web Application!

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Spring-Boot Project

About the Project

This is a Demo project and used as a reference for Spring-Boot experiences.

The project shows a Webshop application where the users can upload Advertisements and can buy some cars from the available list. A simple web application which has a User Interface (*webpages*) and a Database connection to store data.

None of the User, Advertisement or any buy a car action is real. These are only demo data and simulated processes!

Used technologies

The project is implemented at Spring-Boot with MVC architecture, at Maven environment.

The DB connection is managed by Hibernate and the DB itself is In-Memory HSQL (*by default*) or external MySQL is also supported (*please check `src/main/resources/application.properties`*).

The project uses Thymeleaf for UI and data management on the frontend.

Others:

- JUnit
- Log4J
- Wro4J

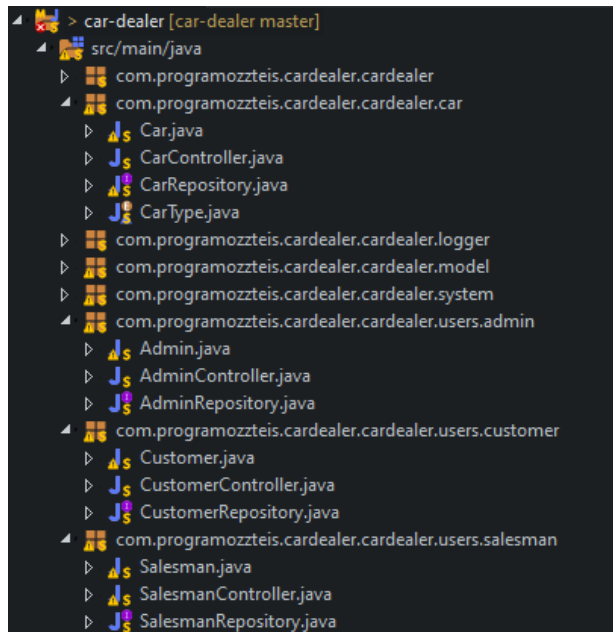
Version Control was done by GitHub Desktop client.

Project Structure

The project is built-up as a Maven project so it is divided into three main parts:

- **java**: Source code itself
- **resources**: Static resources for the webpages
- **test**: JUnit unit tests based on Spring Test framework and Mockito. Tests are implemented for URL handlers.

Source Code



Packages are structured based on possible Users:

- **Admin**
- **Customer**
- **Salesman**

- **Car**

Each Unit has :

1. **POJO** for DB
2. **Repository** for DB operations
3. **Controller** which receives the HTTP Get

and Post Requests, perform the required command and sends back the WebUser to the proper webpage.

Other packages:

- **cardealer**: Starts the Spring-Boot application
- **logger**: Contains the application log4j logger
- **model**: Basic entities for the DB Tables
- **system**: Contains the HomePage handler, the DemoError and the DBRestart (*sets back the DB to the default state*) handlers

Web Resources:

Each User has a dedicated webpage.

On the webpages there are shorter HTML Codes with Thymeleaf tags to process the received data from the BackEnd side.

How To Use

1. Run the /release/*car-dealer-1.0.jar* file
2. Open your webbrowser then go to *localhost:8080/*

For more information please write an email to the Owner: bajortamass@gmail.com