

Lab: Introduction to Java EE

West Compass Dealer Shop

West Compass Dealer Shop is an application in which you register cars, with several properties.

You will have to create a simple multi-Servlet application which has several pages and 1 object entity.

1. Data

This is the data layer of the application. There is 1 data object for you to implement.

Car

Create a **Car** class, which holds the following properties:

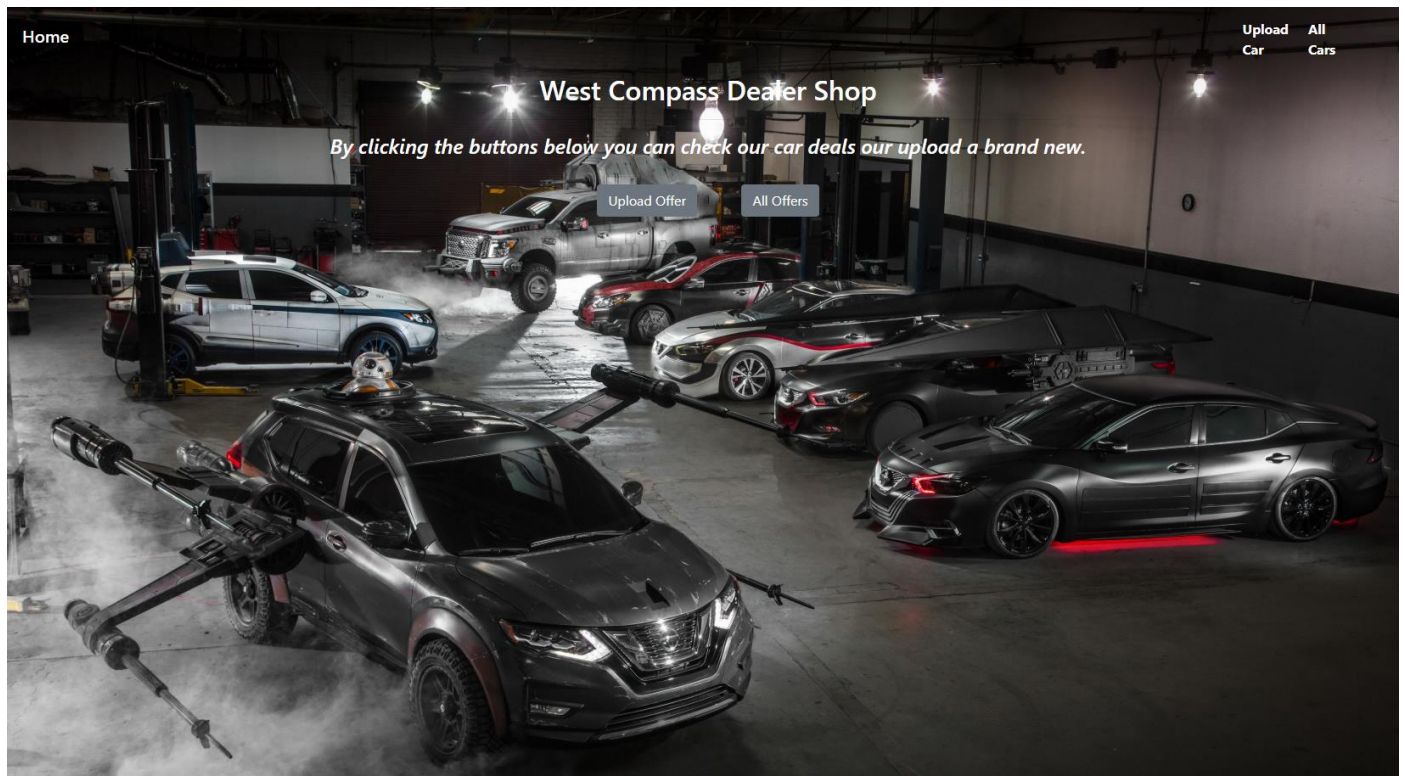
- **model** – a **String**.
- **brand** – a **String**.
- **year** – an **Integer**.
- **engine** – a **String**.

2. Home Servlet

Implement a **Servlet**, which listens on the **index route** ("/").

It should support only a **GET** request.

It should return the following HTML page, upon a **GET** request.

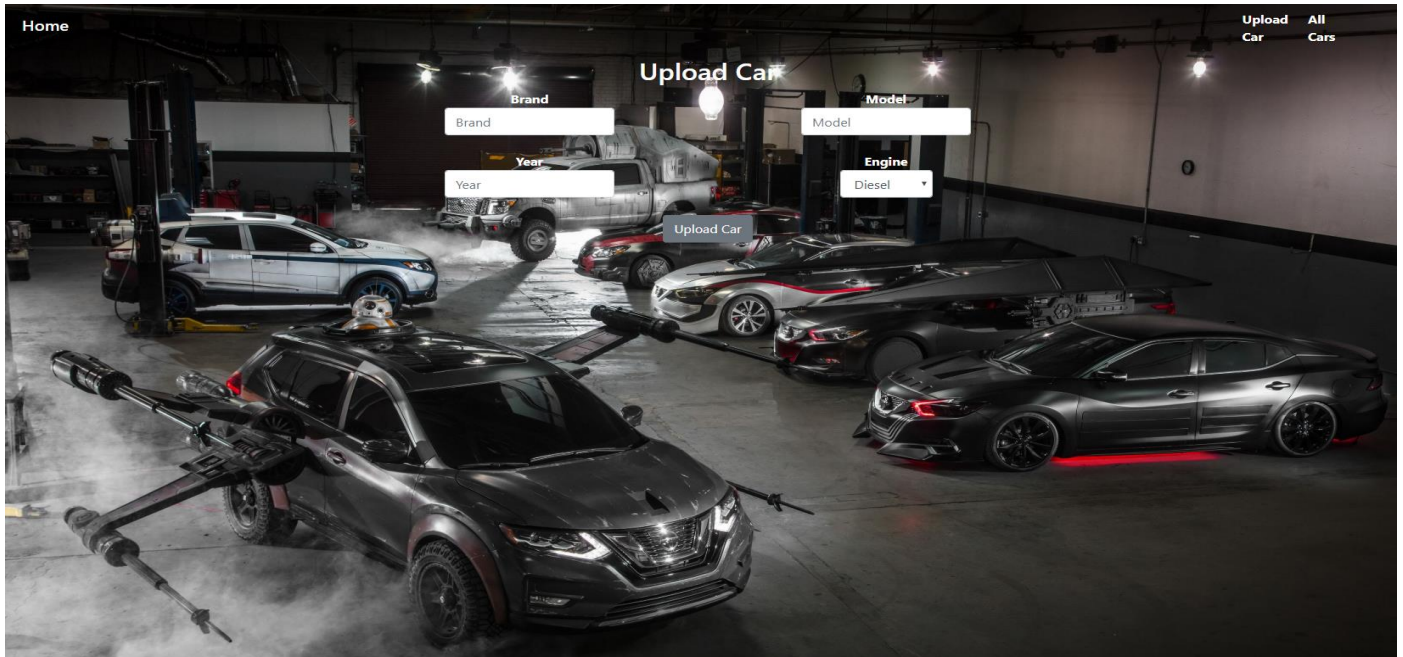


3. Car Create Servlet

Implement a **Servlet**, which listens on **route** ("/create").

It should support **GET** & **POST** requests.

It should return the following HTML page, upon a **GET** request.

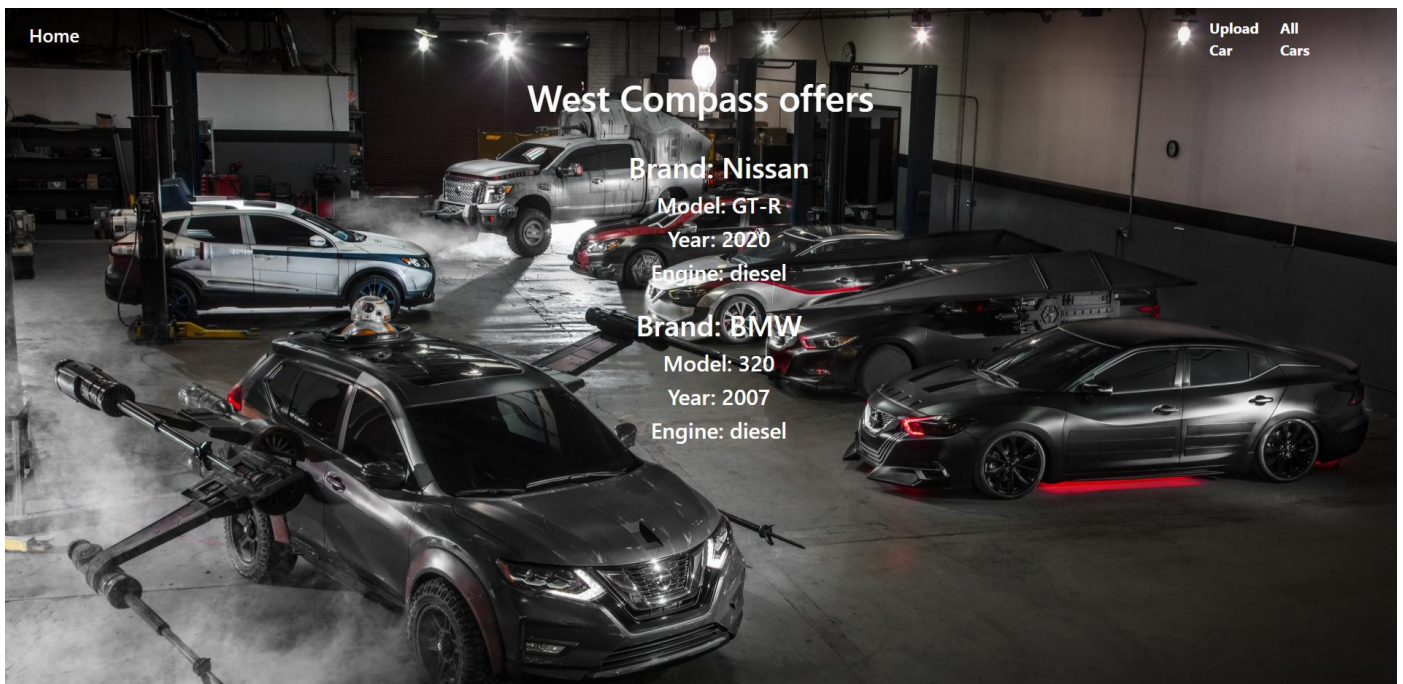


4. All Cars Servlet

Implement a **Servlet**, which listens on **route** ("/all").

It should support only a **GET** request.

It should return the following HTML page, upon a **GET** request.



Each car needs to be shown in the format below.

```
▼<li class="d-flex justify-content-around">
  ▼<div class="col-md-4 d-flex flex-column text-center mb-3">
    <h2 class="text-white text-center">Brand: Nissan</h2>
    <h4 class="text-white text-center">Model: GT-R</h4>
    <h4 class="text-white text-center">Year: 2020</h4>
    <h4 class="text-white text-center">Engine: diesel</h4>
  </div>
</li>
```