Lab: Hibernate Code First

This document defines the lab assignments for the "Spring Data" course at Software University.

1. Vehicle Hierarchy

Your task is to create a Vehicle hierarchy.

Vehicle - Abstract Class

- Has an Id Long
- Has a Type String
- Has a Model String
- Has a Price BigDecimal
- Has a fuelType String

Car

Extends from the Vehicle class

• Has **Seats - Integer**

Truck

Extends from the Vehicle class

• Has loadCapacity - Double

Bike

Extends from the Vehicle class

Plane

Extends from the Vehicle class

• Has passengerCapacity - Integer

Use the appropriate **inheritance types** to reach **the diagrams** in the examples.







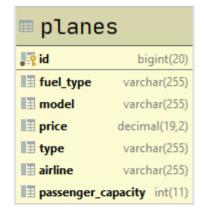


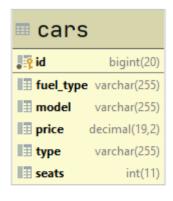


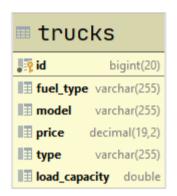


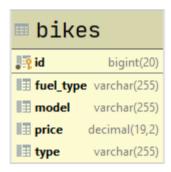


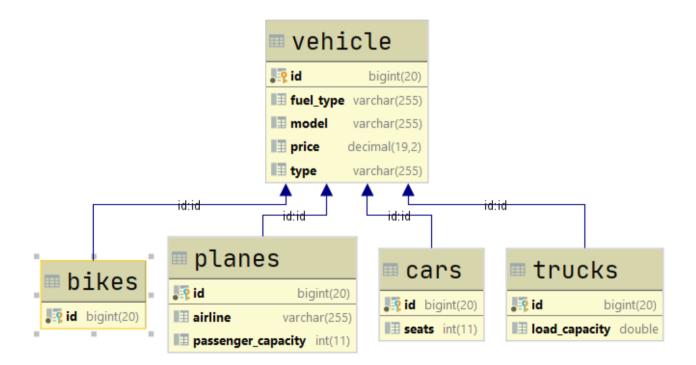


















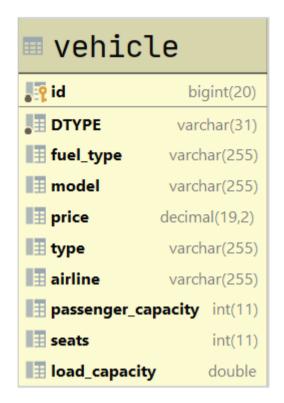












2. Relations

Plate_number

- Has an id BigInteger
- Has a number String
- Has a one to one relations with Cars









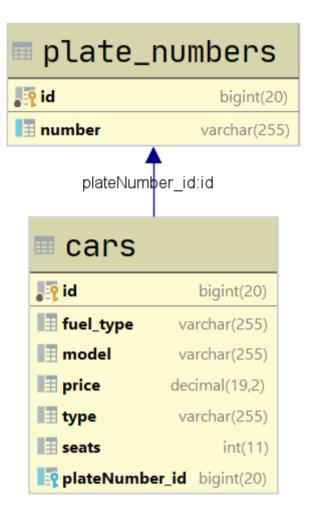












Companies

- Has an id BigInteger
- Has a name String
- Has a one to many relations with Planes







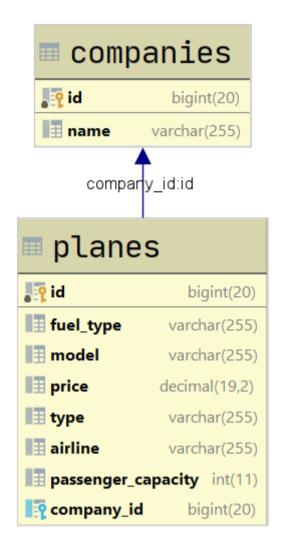












Drivers

- Has an id BigInteger
- Has a full_name String
- Has a many to many relations with Cars

















