# Car Dealership

## Description

The Car Dealership app is a console-based application that facilitates the purchasing of cars. An employee can add cars to the lot and manage offers for those cars, while a customer can view the cars on the lot and make offers.

## Purpose

We want to see that you can meet deadlines and that you can code. You are expected to complete the following requirements and give a 5 minute presentation of your project to our QC team.

## Requirements

1. Functionality should reflect the below user stories.

2. Data is stored in a PostgreSQL database.

3. A custom stored procedure is called to perform some portion of the functionality.

4. Data Access is performed through the use of JDBC in a data layer consisting of Data Access Objects.

5. All input is received using the java.util.Scanner class.

6. Log4j is implemented to log events to a file.

7. 100% test coverage using JUnit Java testing framework.

## User Stories

\* As a user, I can login.

\* As an employee, I can add a car to the lot.

\* As a customer, I can view the cars on the lot.

\* As a customer, I can make an offer for a car.

\* As an employee, I can accept or reject an offer for a car.

\* As the system, I reject all other pending offers for a car when an offer is accepted.

\* As a user, I can register for a customer account.

\* As an employee, I can remove a car from the lot.

\* As a customer, I can view the cars that I own.

\* As a customer, I can view my remaining payments for a car.

\* As an employee, I can view all payments.

\* As the system, I can calculate the monthly payment.