# Junior Engineer Practical Assignment

## Goal

* Test understanding of and ability to interpret business requirements.
* Evaluate front end development expertise.

## Duration and Expectations

* Candidate is expected to complete the assignment within 14 calendar days starting on the day of the receival of the assignment.
* Outcome of the assignment should be a working web solution which provides functionality that closely matches assignment description and requirements.
* Solution should be implemented using HTML and JavaScript. Use of third-party JavaScript libraries and frameworks (e.g. jQuery, React) are encouraged, but not required. There’s no need to save data between sessions.
* Assignment consists of two stages. Both stages are part of the whole solution, but minimally you are expected to complete at least Stage 1.
* Submitting the assignment earlier than the expected completion date has no effect on further evaluation. What really counts is the maturity of the provided solution.
* Solution should be sent back to Juvare HR as a Zip archive. Zip should include all solution files. Index.html file should be the starting page. If there are any special instructions or requirements, they should be included in the zip archive as README.md file.

## Description and Requirements

“JiffyCar” is a small car rental company. Up until now they were tracking their cars and rent history in Excel. Now they want to switch to a web-based solution, preferably mobile friendly.

You were hired to design and implement the new solution.

Solutions UI design should match company style guides:

* Font: Open Sans
* Title color: #CE0E2D
* Standard text color: #2D2A26
* Headers text color: #758692

The solution should have:

1. Stage 1: **List of cars**
   1. Users should be able to see list of cars in the fleet
   2. Users should be able to add new cars
   3. Users should be able to edit existing entries in the list
   4. Users should be able change car state: Available or Rented
   5. Users should be able to clearly see if car is rented or not
   6. Car should have these properties: Unique ID, Car Maker, Car Model, Manufacturing Year, Number of seats, Price per day, Rented Date From, Rented Date To
2. Stage 2: **Rent history**
   1. Each car should have rent history.
   2. Rent history should include: Date from, Date to, Number of days rented, Miles Driven, Price per day, Total Price (days rented \* price per day), Total Price with VAT (Total Price + 21%)