Assignment

Create an application for managing a car rental company. This application should provide functionality for browsing, adding, updating, deleting vehicles in the car fleet and managing the rentals for specific customers.

Data

Your application must store the following information:

* Vehicle types: economy, estate, luxury, SUV, cargo
* Vehicle:
  + Brand
  + Model
  + Construction year
  + Fuel type - petrol, diesel, hybrid, electric
  + Number of seats
  + Picture
  + Price per day
  + Count - number of available vehicles
* Customer
  + Full name
  + Email address
  + Phone number
* Rental event
  + Start date and time
  + End date and time
  + Vehicle
  + Customer

Tasks

* Create, read, update and delete vehicles
* Create, read, update and delete customers
* Rent a car
  + Business rules:
    - When a vehicle is rented the number of available vehicles should be updated
    - If the rental period is:
      * More than 3 days - 5% discount
      * More than 5 days - 7% discount
      * More than 10 days - 10% discount
    - If a customer has rented a vehicle more than 3 times in the last 60 days, they would be designated as VIP customers and get a discount of 15%.

Technologies

You can use **any technology**that you prefer (e.g. Angular, React, VueJS, NodeJS, Bootstrap, jQuery, UI kits, etc.)

You can store the data in the localstorage or in another preferred service/database.