

# **Car Dealership System**

## **Lab – 01: System Request**

**Group Number: 02**

**Group Members:**

<b>Student Id</b>	<b>Student Name</b>
19101069	Md. Mahbubur Rahman Raad
19101088	Md. Mehtabul Islam Shafin
19101076	Sayem Kader Chowdhury

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## Introduction:

Car Dealership System is an online platform where Car companies, brand new car importers and reconditioned car importers can list their cars for sale, with adequate information, and prices, for the buyers. Buyers can sign up to the platform, view items up for sale, request additional information, and contact with the shop for further clarification.

## Motivation:

The system will make car shops more accessible to the customers, streamline communication between the shops and customers, and overall be a secure, better, more time and cost saving way to shop cars.

## System Description:

- **Project Sponsor:**

Md. Hasan (Managing Director of BARVIDA (Bangladesh Reconditioned Vehicles Importers and Dealers Association))

- **Business Need:**

This project has been greenlighted by BARVIDA to streamline communication between the customers and the car shops, as well as increase car sell figures through better shopping experience provided by the system.

- **Business requirements:**

Both the clients and the sellers will be able to access the system through the web, as well as an application. The system will have clients who wants to search for and buy cars. The specific functionality that the system should have are listed below,

- Allow clients to self-register.
  - Clients will be able to search for cars from the inventory.
  - Allow clients to book cars.
  - Allow clients to interact with sellers.
  - Ensure secured payment system.
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- **Business Value:**

The system targets to attract sellers through a much more convenient shopping experience. It expects more car sells as it will make shopping easier because customers will have access to all the information related to the car from their home, customers can shop from anywhere and it will decrease customer's nuisance as he/she will not have to be physically present at the shop to personally inspect the car. Estimated tangible values as follows,

- ₺ 1,25,00,000 from reduced employee numbers.
  - ₺ 3,91,00,000 from increased car sells.
  - ₺ 23,67,000 from reduced physical car showroom builds.
  - ₺ 5,30,000 from new businesses (shops) registering to the system.
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- **Special issues and constraints:**
    - The system should have top-level security clearance as it involves high amount transactions.
    - The system should be operational before summer, as we see an increase in car purchases in summer.
    - The system should be abiding by government-mandated import tax law(s).