**Use Cases (Implemented)**

**Basic Concepts**SysAdmins manage Dealerships and Employees.  
Managers manage Vehicles at their Dealership.  
Salespeople can only view Vehicles, and change their passwords.

“Manage” implies ability to view and edit.

**1. List Vehicles**

Actors: Manager, Salesperson  
A user can view a complete list of sellable vehicles at their dealership.

**2. Add Vehicle to Inventory**

Actors: Manager  
A manager can add a vehicle to inventory at his/her dealership.

**3. Remove Vehicle from Inventory**

Actors: Manager  
A manager can remove a vehicle from inventory at his/her dealership.

**4. View Individual Vehicle Details**

Actors: Salesperson, Manager  
Users can view details (year, make, model, VIN, etc) of a specific vehicle at any dealership.

**5. Edit Vehicle Details**

Actors: Manager  
The manager of a dealership can edit the details of a vehicle in his/her dealership.

**6. Send Message**

Actors: Admin, Manager, Salesperson  
Any employee can send a text-only message to selected other employees.

**7. View Received Messages**

Actors: Admin, Manager, Salesperson  
Employees can view messages sent to them, both as a list of messages and individually.

**8. Mark Received Message as Read**

Actors: Admin, Manager, Salesperson  
Rather than deleting messages, employees can mark messages as 'read', removing them from the default message listing view, which only shows unread messages.

**9. Sell a Vehicle**

Actors: Manager  
The manager of a dealership can sell any vehicle at his/her dealership, including the sale price, customer info and the salesperson who made the sale.

**10. Add Dealership to System**

Actors: Admin  
A system administrator can add dealerships to the database.

**11. Remove Dealership from System**

Actors: Admin  
A system administrator can close a dealership if that dealership does not have any employees (through Roles; check DB Schema).

**12. Edit Dealership Details**

Actors: Admin  
A system administrator can change the details of a dealership (address, description, website...).

**13. Add Employee**

Actors: Admin  
A system administrator can add employees to the database.

**14. Login**

Actors: Employee  
Employees can login to the system by entering their username and password.

**15. Change Password**

Actors: Employee  
Any employee can change their own password.

**16. Assign Temporary Password**

Actors: Admin  
An admin can assign an employee a temporary password, so that employees can reset forgotten passwords.

**17. Reset Password**

Actors: Employee  
An employee with a temporary password can set their permanent password (simultaneously removing the temporary password).

**18. Unauthorized Page Access**

Actors: Employee  
When an employee attempts to access a page they are not authorized for, they will be redirected to the home page.