**Requirement analysis:**

Car inventory

·         The system shall include a car inventory table with the fields specified in the system design

·         The system shall provide a car lookup functionality based on the fields in the car inventory table

·         The system shall provide a way to add, delete, and update entry in the car inventory table

Order list

·         The system shall include an order list table with the fields specified in the system design

·         The system shall support two types of orders: car purchase order and car service order

·         The system shall provide an order lookup functionality based on the fields in the order list table

·         The system shall provide a way to place and removing an order by a customer

·         The system shall notify a dealership staff about new order

·         The system shall provide a way for dealership staff to process and close an order

Car maintenance--(Order Complete)

·         The system shall maintain a car maintenance history that is stored in the database

·         The system shall automatically update maintenance history when a car service order is created, processed, and closed

·         The design of car maintenance table is described in the system design part

Order generation

·         The system shall provide a customer a capability to create an order

·         The system shall provide a customer a capability to update and remove an order if it was not processed yet

·         The system shall store a generated order in the order list table

Order processing

·         The system shall provide a way for dealership staff to process an order

·         A customer must not have any access to order processing activities

·         The system shall generate records for all order processing activities