

Car Dealership business rules:

The dealership sells new and used cars and operates a service facility. Base your design on the following business rules:

1. A salesperson may sell many cars, but each car is sold by **only one** salesperson.
2. A customer may buy many cars, but each car is **purchased by only one customer**.
3. A salesperson writes a **single invoice** for each car he or she sells.
4. A customer gets **an** invoice for each car he or she buys.
5. A customer may come in just to have his or her car serviced; that is, **a customer need not buy a car to be classified as a customer**.
6. When a customer takes one or more cars in for repair or service, **one service ticket is written for each car**.
7. The car dealership maintains a service history for each of the cars serviced. The service records are referenced by the car's serial number.
8. A car brought in for service can be worked on by many mechanics, and each mechanic may work on many cars.
9. A car that is serviced may or may not need parts (e.g., adjusting a carburetor or cleaning a fuel injector nozzle does not require providing new parts).