**Spring boot Final Project** by **Mamta Nath**

There are three entities: **Dealer, Customer, Vehicle**. A dealer has many vehicles to sell. A vehicle belongs to only one dealer though. A dealer also has many customers who have either bought vehicles or planning to buy a vehicle. A customer can go to one or many dealers to buy a vehicle.

**Relationship between a dealer and a vehicle** - There is a one-to-many relationship between dealer and vehicle. Dealers can have many vehicles, but a vehicle belongs to only one dealer.

**Relationship between dealers and customers** - There is a many-to-many relationship between dealers and customers. A customer may go to different dealers to select and then buy a vehicle and dealers can have many customers.

A screenshot of a computer

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A screenshot of a computer

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A grid with text on it

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**CRUD** operations that will be performed on different tables.

**dealer Table**

**Create** – a new dealer can be created.

**Read** – show a dealer or the list of all the dealers

**Update** – a dealer’s information, like address or phone can change because of relocation etc. Update that dealer’s information.

**Delete** – a dealer no longer exists. When I delete a delete, I make sure that all the employees from the table gets deleted for that dealer, but the customer table remains the same. I also delete all the rows from the dealer\_customer table for that dealer.

**vehicle Table**

**Create** – a new vehicle.

**Read** – list a vehicle or all the vehicles.

**Update** – a vehicle’s exterior color has change , for example, from brown to white etc. Update that vehicle’s information

**Delete** – a vehicle that no longer exists.

**customer Table**

**Create** – a new customer can be added

**Read** – list a customer or all the customers

**Update** – a customer’s information, like address has changed etc. Update that customer’s information.

**Delete** – a customer that doesn’t exist anymore