Damler, Lucas

CSCI 466

Assign 4 Relation Table

\_\_\_ -> Primary Key

\* -> Foreign Key

**Salesperson** (Emp\_ID, Name)

**Customer** (CID, Name, Address, Phone\_Num)

**Vehicle** (VIN, Make, Model, Year)

**Invoice** (Date, Emp\_ID\*, VIN\*, CID\*, Trade-in\_Serial\*, License\_Fee, Price, Tax)

**Emp\_ID** points to **Salesperson** table

**VIN** points to **Vehicle** table

**Trade-In\_Serial** points to **Trade-In** table

**New** **Vic** (VIN\*, price)

**VIN** points to **Vehicle** table

**Used** **Vic** (VIN\*, price)

**VIN** points to **Vehicle** table

**Sales** **Record** (Date, VIN\*, Total\_Cost, CID\*)

**VIN** points to **Vehicle** table

**CID** points to the **Customer** Table

**Trade-In** (Serial\_Num\*)

**Serial\_Num** points to the **VIN** of the **Vehicle** table

**Dealer** **Options** (Option\_Code, Desc, Price)

**Customer** **Record** (Date, VIN\*)

**VIN** points to **Vehicle** table

**Sells** **To** (Emp\_ID\*, CID\*)

**Emp\_ID** points to **Salesperson** table

**CID** points to the **Customer** Table

**Sells** (VIN\*)

**VIN** points to **Vehicle** table

**Can** **Have** (VIN\*, Option\_Code\*)

**VIN** points to **Vehicle** table

**Option\_Code** points to the **Dealer Options** table

The tables are in 3NF because they are in 1NF and 2NF, and because there are no transitive dependencies