





Account (Account-Number: int, First-name: varchar(50), Last-name: varchar(50),  
Username: varchar(100), Password: varchar(100), email: varchar(100),  
Primary key (Account-Number));

~~Customer Representative~~

Admin - Customer Representative - Buyer - Seller (Account-Number: int,  
Primary key (Account-Number)  
Foreign key (Account-Number) References Account);

Vehicles (Listing-ID: int, model: varchar(50), Type: varchar(50),  
manufacture: varchar(50), capacity: ~~int~~, Year: int,  
exterior-color: varchar(50), interior-color: varchar(50), condition: varchar(50),  
Primary key (Listing-ID));

ForSale (Account-Number: int, Listing-ID: int, Start-time: date,  
Close-Time: date, initial-price: ~~int~~, min-sell-price: double,  
Primary key (Account-Number, Listing-ID),  
Foreign key (Account-Number) References Seller  
Foreign key (Listing-ID) References ~~vehicles~~ vehicles);

Car (Listing-ID: int, VIN: int, mileage: int, body-type: varchar(50),  
Transmission: varchar(50), driveType: varchar(50), fuel-Type: varchar(50),  
Primary key (Listing-ID, VIN),  
Foreign key (Listing-ID) References ~~vehicles~~ vehicles);

Bike (Listing-ID: int, Bike Size: varchar(50), BikeType: varchar(50),  
Primary key (Listing-ID)  
Foreign key (Listing-ID) References vehicles);

Truck (Listing-ID: int, TruckType: varchar(50), Bedsize: varchar(50),  
Drive train: varchar(50), Primary key (Listing-ID),  
Foreign key (Listing-ID) References vehicles);



Bids (Account-Number: int, bid-value: double, bid-date: date,  
Primary key (Account-Number)  
Foreign key (Account-Number) References Buyer);

Alert (Alert-Id: int, alert-Topic: varchar(50), alert-message: varchar(500),  
is-Read: Boolean, Primary key (Alert-Id));

Alerts (Alert-Id: int, Account-Number: int, Primary key (Alert-Id, Account-Number),  
Foreign key (Alert-Id) References Alert,  
Foreign key (Account-Number) References Buyer);

Questions (Question-ID: int, Topic: varchar(50), Questions: varchar(500),  
Answer: varchar(500), Primary key (Questions-ID));

Answers (Question-ID: int, Account-ID: int, Primary key (Question-ID, Account-ID),  
Foreign key (Question-ID) References Questions,  
Foreign key (Account-ID) References ~~customer~~ Representative);

Asks (Question-ID: int, Account-ID: int, Primary key (Question-ID, Account-ID),  
Foreign key (Question-ID) References Questions,  
Foreign key (Account-ID) References Buyers);

Sales Report (Report-ID: int, total earning: double, best selling: varchar(50),  
Primary key (Report-ID));

Summary (Report-ID: int, Account-Number: int, Primary key (Report-ID, Account-Number),  
Foreign key (Report-ID) References Sales Report  
Foreign key (Account-Number) References Admin);