Modifications on EER based on Phase 1 feedback:

1. Removed Public User.
2. Removed Buyer/Seller strong entities for Customer.
3. Changed User types to be overlapping and removed Mr.Burdell as "User" entity already represents Mr.Burdell since it's combination of three user types.
4. Added VehicleType as a separate entity with attribute TypeName and added is_of_type relationship between Vehicle Type and vehicle, because Vehicle types are maintained as a list in database and selected from the dropdown on adding a new vehicle.
5. Added Manufacturer as separate entity with attribute manu_name, added Make relationship between Manufacturer and Vehicle and added Announce relationship between Manufacturer and Recall.
6. Changed Start Date to a partial identifier for Repair, as each repair for a given vehicle can be identified using the start_date.
7. Changed Recall to be a strong entity and added Announce relationship to Manufacturer and Link relationship to Repair, as each recall can be uniquely identified using NHTSA recall campaign number.
8. Changed Vendor-Repair to be 1:N, as each repair will be performed by only one vendor.
9. Removed Lookup/Add in relationship between Customer and Salespeople and between Customer and InventoryClerk and take it as default action in SalesTransaction and P_Transaction.
10. Removed Search relationships, View relationships and ContactUsingEmail relationship from EER with confirmation of instructors answer from Piazza since they don't affect database much.
11. Removed NoRepairVehicle entity as it is redundant with InventoryVehicle entity.

Team 23 EER diagram

UserFirstName
UserName
Password
UserLastName
Users

VendorName
VendorPhone
Vendor
VendorAddress
Street
City
State
PostalCode

O
Manager
InventoryClerk
SalesPeople

Quotes
M
N
Performing
1
N

EndDate
TotalCost
RepairStatus
StartDate
RepairDescription
Repair

Handle
1
Determine
M
N

Sale
1
N

Link
N

SalesTansaction
SalesDate

C_Name
Title
B_Name
PrimaryContact
TIN
Business

Participate

SalesPrice
InventoryVehicle
1
Transfer
1
RepairVehicle

Recall
NHTSARecallNumber
RecallDescription

Announce
N
1

Manufacturer
manu_name

Handle
N

d

Make
N
1

U
Customers
1
1

Individual
Phone
email
Address

Participate
N
P_Transaction
1
Purchase
1
Vehicle

Is_of_type
N
1
VehicleType
TypeName

CustFirstName
DriverLicense
CustLastName
Street
City
State
PostalCode

VehicleCondition
KBB_Price
PurchaseDate

Colors
VIN
Mileage
OptionalDesc
ModelName
ModelYear