Harsiddh Patel

Narrative Prose

Integration 1:

In this integration step, I have divided the Customer_Name table from Pre-owned diagram into three columns associated with CustomerRelation table. The columns are Last Name, First Name, Middle Initial. In addition, City column was assigned to CustomerRelation plus Street column. In the end, Transaction column was assigned to TransctionId column in Transaction table. In this step, these changes are the only changes I made which were removed columns from Pre-owned database and assign the columns to Assignment 1 database. One pro is that it allows me less structure changes to the database and one con is that it might take more time to read database for some columns such as First Name, Middle Initial, Last Name compared to previously being only one column.

Integration 2:

In this integration step, I have assigned columns like Sale_Price, Date, Trade_value from Transactions table to PurchasePrice, SalesDate, TradeInValue column in Sales table. And then for Sale_VIN column was assigned to VIN column in Inventory table. The reason I made these changes is to minimize structure changes to Assignment 1 database. There are no cons to this approach.

Integration 3:

In this integration step, I am making structure to Assignment 1 database since I have added new columns to tables in Assignment 1 database (highlighted in bold and underlined) from Pre-owned database. Assoicate_Name, Buy, Trade (Buy and Sale), Sale, Buy_VIN, Notes columns have been added to the Sales table. Sticker column has been added to Inventory table. Phone column has been added to CustomerRelation. In addition, instead of having two duplicate Notes columns in Pre-owned dealers, only one Notes column has been added to Sales table. These changes ensure that all columns are covered from Pre-owned database. There are no cons to this approach.

Final Integration:

By this step, there are no steps I have taken since both database have been integrated as one.