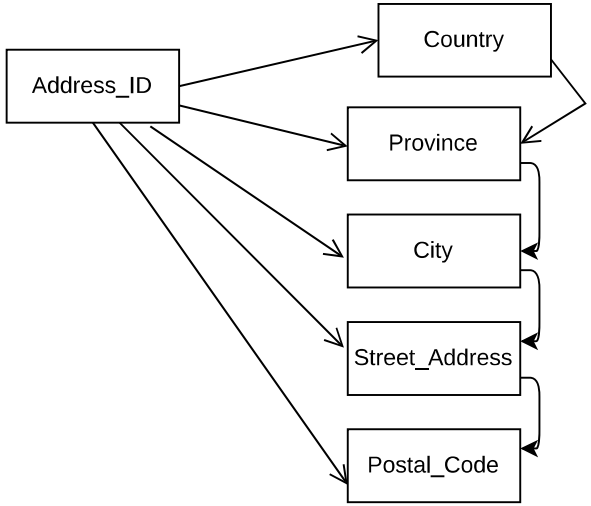
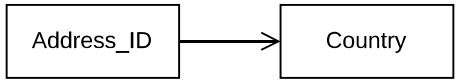
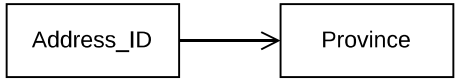
R1(Address_ID,Country, Province, City, Street_Address, Postal_Code)

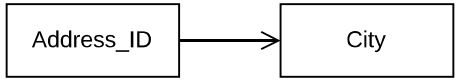




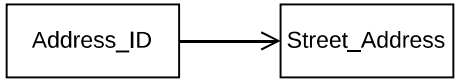
R1.1.1(Address_ID,Country)



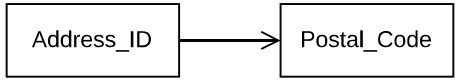
R1.1.2(Address_ID, Province)



R1.1.3(Address_ID, City)

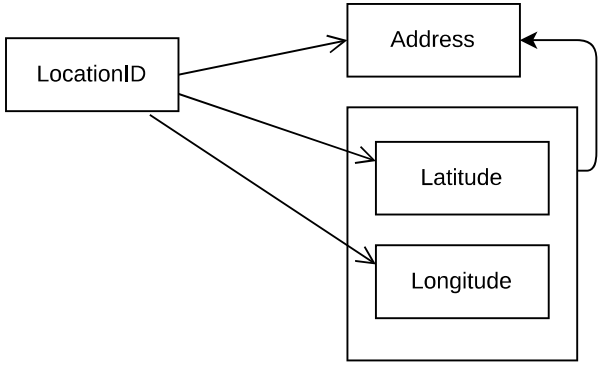


R1.1.4(Address_ID, Street_Address)

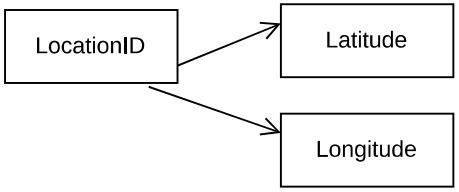


R1.1.5(Address_ID, Street_Address)

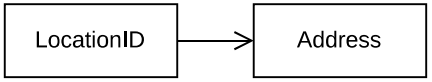
R2(LocationID, Address, Latitude, Longitude)



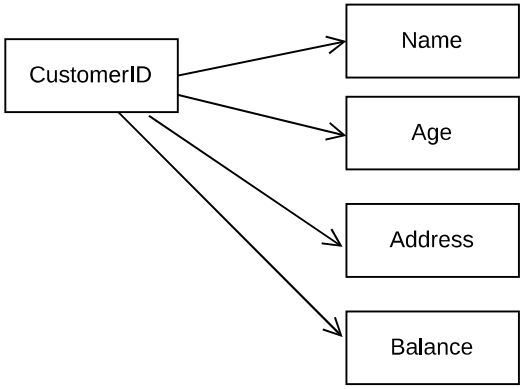
R2.2.1(LocationID, Latitude, Longitude)



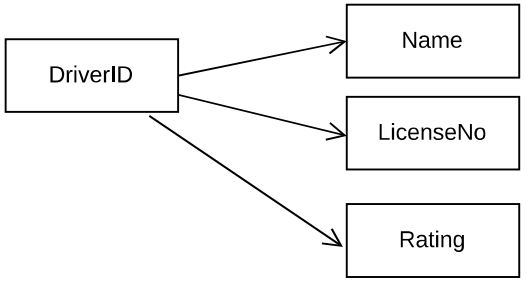
R2.2.1(LocationID, Address)



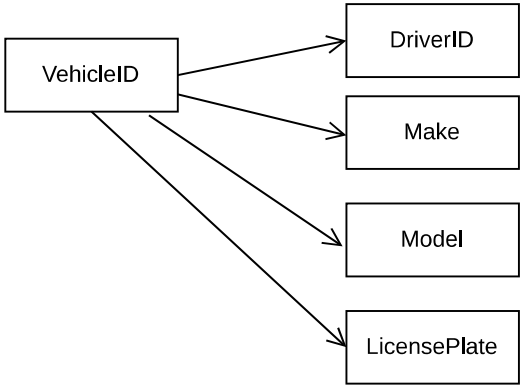
R3(CustomerID, Name, Age, Address, Balance)



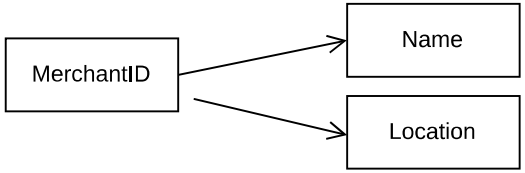
R4(DriverID, Name, LicsenseNo, Rating)



R5(VehicleID, DriverID, Make, Model, LiscsensePlate)



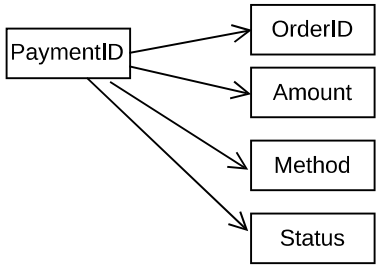
R6(MerchantID, Name, Location)



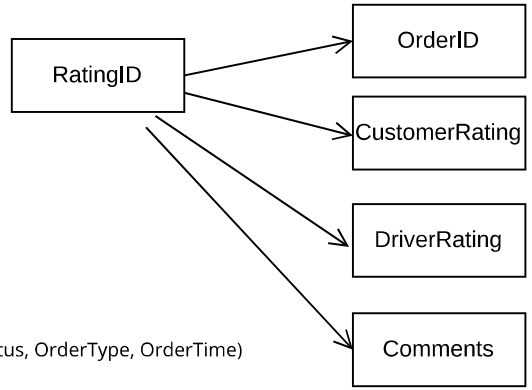
Ex. Address_ID -->Country-->Province is transitive because Country and province are both not Primary keys and yet they would have a transitive dependency that goes both ways (must remove the transitivity and have FD directly link to the primary key)

Note: None of the tables used in the assignments utilize composite keys that have individial components with functional dependency. Therefore, the 1NF diagram remains unchanged when going to 2NF for all tables

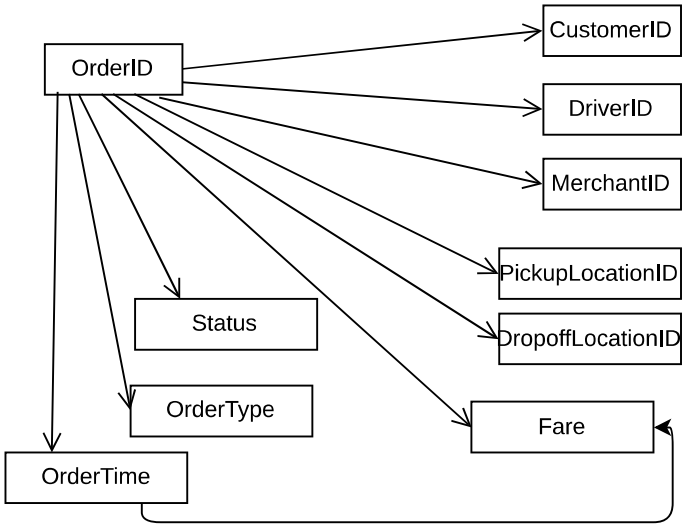
R7(PaymentID, OrderID, Amount, Method, Status)



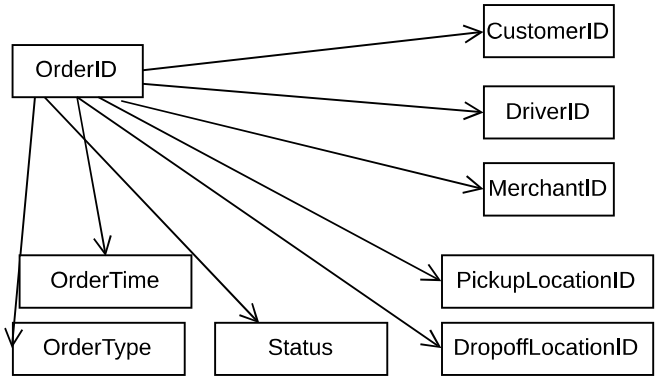
R9(RatingID, OrderID, CustomerRating, DriverRating, Comments)



R8(OrderID, CustomerID, DriverID, MerchantID, PickupLocationID, DropoffLocationID, Fare, Status, OrderType, OrderTime)



.3.1(OrderID, CustomerID, DriverID, MerchantID, PickupLocationID, DropoffLocationID, Status, OrderType, OrderTime)



R8.3.1(OrderID, Fare)