**Problem 5**

To avoid incomplete fact-dimension relationships several default values are designed:

* CustZip to “0” if customer has not Zip code
* CustLoc to 0 if customer has no location or it is unknown. At worksheet table location is included at customer name and cannot be used separately.
* MemberType to 0 if customer is guest or corporate
* Qty at fact table should be set at 0 for service product type or special event

As it is said in assignment: “For merchandise, sales amount is computed as quantity times selling price”. Therefore we must calculate price for merch using Qty and MerchPrise

Price = Contains.Qty\*Merchandise.MerchPrice

Members location is detected by location of related franchise

As management wants to see details by week, to calendar table week attribute is added.