Group 15- Design Changes

Based on the feedback given on initial ERD, we have performed the following changes in our design.

1) Membership Promo is an associative entity between Membership and Promotions. The crow foot should be on its side.
- The change has been made; the crow foot notation is changed between MembershipPromo and Membership as well as MembershipPromo and Promotions.

2) CustomerID doesn't not need to be included in the PK of Card. CardID alone is sufficient to function as the PK.
- The thought behind this was that the same card can be used by different family members so we kept Customerid and Cardid as primary composite key.
- Now, to simply things only one card is maintained for a customer. Therefore, the change has been implemented as per the above suggestion.

3) Customer should be connected to OrderHeader.
- The customer details are given to the cart and from there the info is provided to the order header. Therefore, we do not need the connection.

4) Inventory should be connected to Product. Please also make sure all FKs in Inventory are labelled.
- The product price and the inventory details are collated in Catalog as we removed the inventory entity.

5) For the one-to-many relationship between Catalog and Inventory, Catalog is the parent entity. ItemID should not be in Catalog, CatalogID should be an FK in Inventory.
- We have removed the inventory and merged the required details with the catalog.

6) There are two lines between Catalog and Inventory. Please remove the duplicate line.
- The inventory entity is removed.

7) ProductID should not be included in Catalog.
- The catalog has respective product and store related information and hence we would require productid in the catalog to store the unique combination. Catalog is acting as an associative entity between Product and Store.

8) There are two lines between Cart and Catalog. Please remove the duplicate line.
- The change has been implemented

9) You can just remove the relationship between Cart and Inventory. Cart is already connected to OrderItems.
- Our Initial thought behind this was to get the latest stock details for the product before the cart gets converted to order. There can be a situation where a product was added yesterday in cart but today customer placed an order and the product is out of stock. Though, the inventory entity is removed.

10) You can just remove CustomerID from Feedback. Because Feedback is connected to OrderHeader, you can get CustomerID from Ordrheader.

- ▢ The change has been implemented.

11) You can combine OrderAssignment and OrderHeader. Then connect DeliveryExecutive directly to OrderHeader. OrderAssignment doesn't have much details.
- ▢ The change has been implemented.