**Payment**

1. **Customer Type :** Combo box
2. Customer id if customer is member
3. Add product id , qty , price . That will show in Jtable
4. Total Without discount
5. Show discount
6. Total that customer has to pay
7. Point to redeem: Total point he has will also be shown here
8. Amount Received TextBox
9. Payment received / cancel Button

**Validations** : User will select customer type : Member / Public(**Enum**). If customer is member show customer id text box else don’t show.

User will enter customer id , system validates it on fly.

Customer add products..

If there is change in selection of customer type, **discount and total** will be changed on fly.

User enter point s to redeem.

User enters amount to pay.

Validates payment and show popup detail about payment.

Please check image of design for more clarity.

**Member Registration**

Please check image of design for more clarity.

**Purchase Order**

**We Assume Vendor Name is primary key.**

**While creating category we need to create vendor. Each Vendor data file should contain no less than 3 vendor in total.**

1. How many purchase orders can be generated with one vendor?

One

1. How many categories can be associated with a vendor?

One to Many

1. How many categories can be associated with a product?

One

1. How many product can be associated with a transaction?

One to many

1. Should try to spread the attributes of discount to subclasses, where applicable.
2. Must every transaction be having an discount? How many transactions can be associated with a discount?

Zero or one

1. How many purchase orders can be associated with a product?

One