**1.Member**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Data Type** | **Can be null(Y/N)** | **Default Value** |
| MemberID |  | N |  |
| FirstName |  | N |  |
| LastName |  | N |  |
| Email |  | Y |  |
| Passward |  | N |  |
| Address |  | Y |  |
| Telephone |  | Y |  |
| RegistDate |  | N |  |
| PostCode |  | Y |  |

**2.Product**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Data Type** | **Can be null(Y/N)** | **Default Value** |
| ProductID |  | N |  |
| ProductName |  | N |  |
| ImageUrl |  | N |  |
| Price |  | N |  |
| StockNumber |  | Y |  |
| IsDiscount | Boolean |  | No |
| DiscountPrice |  | Y |  |
| RentPrice |  | Y |  |

**Stock number is null means sufficient supplies**

**//===4 tables for purchase and cart function===============================================**

**//this table stores the item that login customer put into cart and pay for it**

**Table purchasehistory**

**———————————————**

**customerid**

**itemid**

**date**

**amount**

**—————**

**PKEY {Customerid,itemid,date}**

**foreign key customerid,itemid**

**//this table stores the item that login customer put into cart but did not pay for it(still in cart)**

**//not included purchased history**

**Table cartLogin**

**———————————————**

**//this table stores the item that login customer put into cart but did not pay for it and deleted it(not in cart now)**

**Table cartdeletedlogin**

**———————————————**

**//this table stores the item that not login customer put into cart but did not pay for it**

**//this table will be cleaned at fixed period**

**Table cartnotlogin**

**———————————————**