

ONLINE FOOD DELIVERY SYSTEM

Database WriteUp:

For each CUSTOMER, the database maintains information on customers Name [Name] which is a composite attribute [Fname, Mname, Lname], Unique Email address [Email_ID], a multivalued attribute Phone number [PhoneNo], Address [Address], Customer type [Cust_Type]. Two sub classes of customer based on Customer Type is: PREMIUM MEMBER and REGULAR MEMBER.

Specific attribute of PREMIUM MEMBER is Reward points that he earns on each order [Reward Points] and Specific attribute of REGULAR MEMBER is standard delivery charge he will be charged on each order that he/she places [Standard Delivery Charge].

CUSTOMER places/requests [Places] ORDER, it has the attributes unique order identification number [ORDER_ID], order summary [Order Summary], order amount [Order Amount], order date and time [Order DateTime]. Here, order will be placed on a successful payment [PAYMENT] and order will be received by [Received by] RESTAURANT. CUSTOMER can make one to many orders and Order will belong to one CUSTOMER.

PAYMENT has attributes unique payment identification number [P_ID], amount paid [Paid Amount], payment status [Payment Status], payment status [Payment Status]. CUSTOMER makes [Pays for Order] the Payment based on the ORDER (TERINARY RELATIONSHIP), here CUSTOMER can only make one payment at a time. After successful payment, payment will be transferred to/ received by [Received by] RESTAURANT.

For each RESTAURANT, it has the attributes unique restaurant identification number [Res_ID], Name [Name], Address [Address], City [City], restaurant type [Type], work phone number [Work_Phone], owner name [Owner]. Upon receiving the order, RESTAURANT prepares [Prepares] FOOD and assigns [Assigns] DELIVERY MAN for food delivery. RESTAURANT may receive one to many orders ORDER and each order will belong to one RESTAURANT. RESTAURANT can assign multiple delivery man for different deliveries.

Here, FOOD is a weak entity which entirely depends on the RESATURANT and cannot make primary key on its own. It has one attribute name [Name]. Restaurant can prepare one to many items.

Here, DELIVERY MAN has attributes unique employee ID [Emp_ID], salary [Salary_ID], name [Name] and work phone number [Work_Phone]. DELIVERY MAN delivers order [Delivers] to CUSTOMER (Terinary relationship). DELIVERY MAN can deliver multiple orders to different customers.