

Many To many Relationship in Cart and Order

REMEMBER MANY TO MANY RELATION IS TO One to many relationship. What is cart?cart is a object that has relation between one product with one user like when you add product to your cart we call it cart object because now this product has relation ship with the user instance.

now what is order:

order is another object that hold the list of the Cart object that you add with a user reference.

Why There is not one to many instead there is many To many Relation ship

One Order can have multiple CART

like when you go to e commerce you add product to your cart.

Then The product that you added every single one is a Cart object. because it has user reference to you

.then when you order for checkout you take all the product in your Order list and pay for that order.

after the payment this order is done.

then when you visit the website again to shopping. you may add same product you took previously product and also the new one

so one CART object can have in multiple order object

This is Also a many to many relationship

lets see the Pivot table

CART Id	ORDER Id
1	1
2	1
3	1
4	2
5	3
6	4
6	5
6	6

So in your purchase history you brought 1,2,3 in number 1 order

so number 1 order has Cart 1,2,3

and you can see you bought the same CART(product) in the 4th 5th and 6th order

so if you make a report that product(CART) 6 is in which which Order you can find in this table

So this two one to many relationship makes many to many relation ship

