

Spring boot data JPA Assignment


Scenario

Ozvitha Fernz Supermarket is maintaining their customer order details online as follows.


1. One customer can place more than one order
2. One order can contains more than 1 items
3. One Item can be part of many orders
4. Only registered customers can order Items
5. If one order is taken from a customer, same order id should not use for other customer
6. Billing should be calculated for a customer by order wise.
7. Customers can view their billing details for single order, or for all orders made by particular customer
8. Your Dao interface must extends **JpaRepository**
9. Create '@Query' annotation atleast for one query operation
10. Create DSL (Domain specific language) methods for custom business requirements
11. You may use any database as your choice

Now create JPA mapping classes using spring boot data jpa for the following database for Ozvitha Fernz Supermarket

Customer table

	CUSTID	CUSTNAME
▶	1000	Praveen
	1001	Ozvitha

Items Table

	ITEMID	ITEMNAME	PRICE
▶	1	Soap	34
	2	Book	45
	3	Mouse	1500
	4	Mobile	25000
	5	Laptop	45000
	6	IPad	53500

Orders Table

	ORDERID	ORDERDATE
▶	10000	05-04-2015 07:54:11 PM
	10001	05-04-2015 07:58:57 PM

Order_Details table

	ORDERID	ITEMID
▶	10000	1
	10000	2
	10000	3
	10001	4
	10001	5
	10001	6

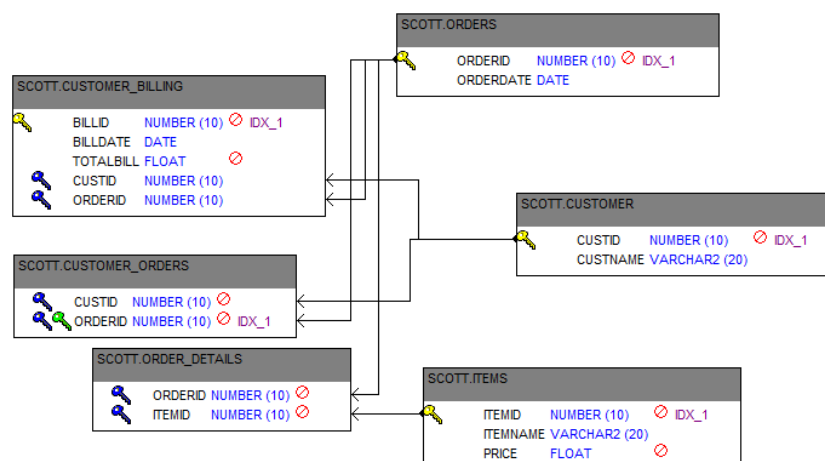
Customer_Orders table

	CUSTID	ORDERID
▶	1000	10000
	1001	10001

Customer_Billing

	BILLID	BILLDATE	TOTALBILL	CUSTID	ORDERID
▶	500	05-04-2015 08:37:41 PM	1579	1000	10000
	501	05-04-2015 08:39:30 PM	123500	1001	10001

ER – Diagram as follows (You may create your won db and tables if you wish)



Now create Spring boot class to retrieve information from mapped classes and print following report for order id 10000

Cust ID: 1000

Cust Name: Praveen

Order id :10000

Order Date: 2015-04-05 19:54:11.0

```
-----  
ItemId  ItemName Price  
-----  
1       Soap    34.0  
2       Book    45.0  
3       Mouse   1500.0  
-----
```

Bill Id: 500

Cust Id: 1000

Order Id: 10000

Bill Date: 2015-04-05 20:37:41.0

Total Bill Amount: 1579.0
