
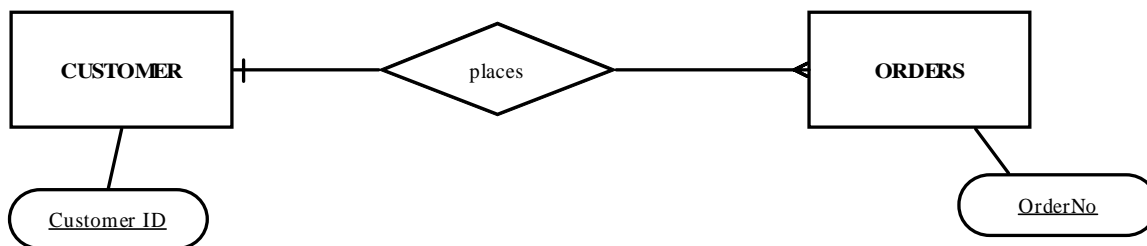


Exercise 3

Create Relationships For All The Tables

1. Select Tools/Relationships from the Menu or Click the relationship button. 
2. Select Relationships/Show Tables from Menu. Choose all the tables between which you would like to make links indicating relationships.
In this case you highlight and add Customers, Stocks, Orders and Order Details.

First, you need to join **Customers** to **Orders** to represent the following relationship



To do so, in the Relationships window: click the CustomerID from Customer Table and drag it and put it on top of the CustomerID from the Orders Table.

(Reminder: Start from the one side and drag to the many side)

You will see this form:

Edit Relationships

Table/Query:	Related Table/Query:
Customers	Orders
CustomerID	CustomerID

☒ Enforce Referential Integrity


☐ Cascade Update Related Fields

☐ Cascade Delete Related Records

Relationship Type: One-To-Many

Buttons: Create, Cancel, Join Type..., Create New..

Figure 1: Relationship Definition Screen

4. Since this is a one-to-many relationship, you want to select as above
 - Put a check in the *Enforce Referential Integrity* box. This ensures that if "CustomerID" changes in the Customers table, it will also change in the Orders table.
 - Then Click the Join Type button. 

5. You will see 3 options as follow:

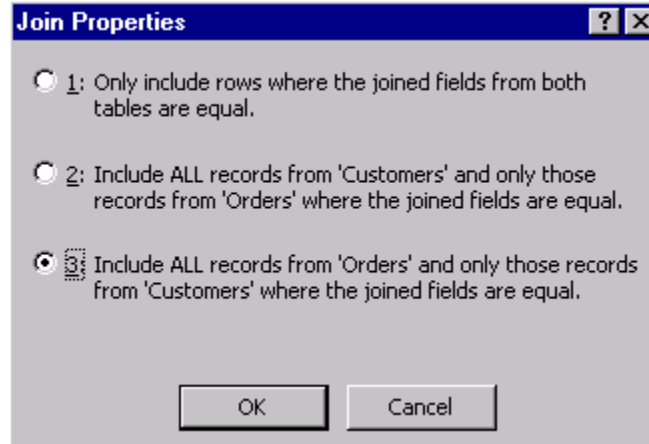



Figure 2: Join Properties Screen

For this class, select option No. 3 and click



6. Click  and you are done with the first join. You will see an **4** (infinity sign) on the many side.
7. You will do the same for the following two links:
- 1 Product can appear in many Order Details records
 - 1 Order can appear in many Order Details records
- (If you don't understand why please come see me.)

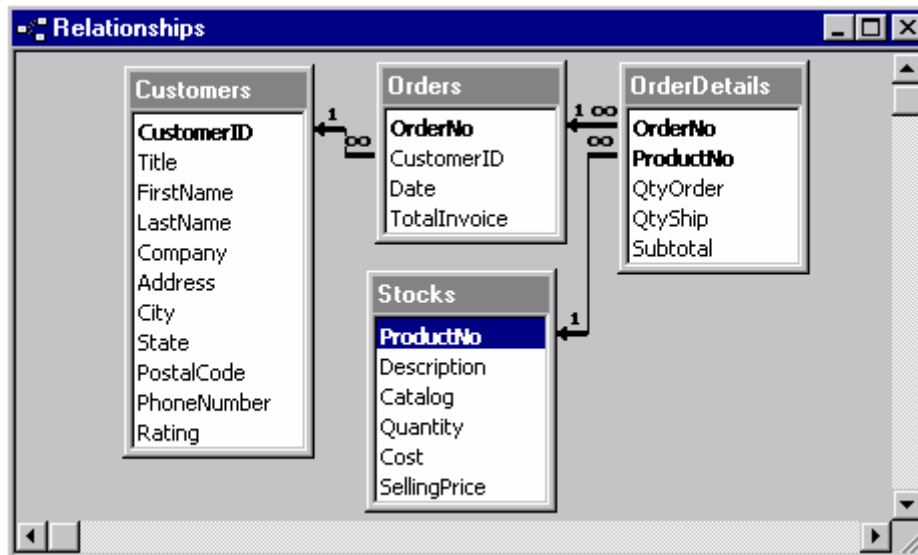


Figure 3: Relationships

8. Then select File/Close and say YES to saving the layout changes to "Relationships"

Now that you have established the relationships, you can proceed with building multi-table forms, reports, and simple and complex queries.