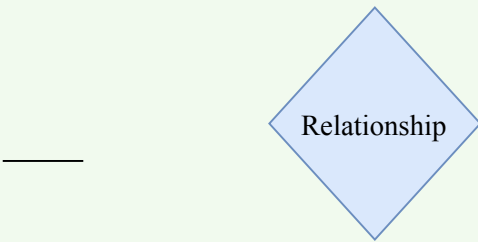


## LEGEND

Entity



Relationship



Attribute



Primary Key Attribute



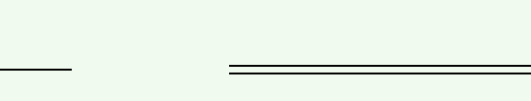
Multivalued Attribute



Total Participation



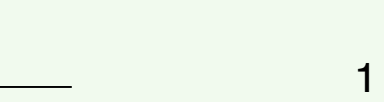
Partial Participation



Many



One



<i>Mapping Cardinality</i>	<i>Total / Partial Participation</i>	<i>Relationship</i>
Each Customer can order many books and Each book can be order by many customers	Both Customer and Book may be not in order relationship .	
Each Deal can be made only by one customer But any customer can make many deals	Deal can not be exist* without a Customer , But the customer might to not make any deal. (Maybe he just made an order)**	
Each row in inventory include only one id of book , ,but each book can appear in many rows in inventory for example : in storage/store , in different costs/prices/conditions...	The inventory we have is inventory of books that's why it can not exist without include some book in the row , but we do store details of some books that isn't in inventory	
In one deal we can sell more then one book from the inventory , but each book in inventory that has been sold - can be related only to one deal. (one book can't be split to many deals )	Deal can not be exist without any book from inventory because the only deals we make - is selling some book/s from inventory, But in inventory could be some books that haven't be sold yet.	
In one deal customer can ask to send some books to one lace ,and others to another . but each delivery refers only to one specific deal.	Delivery can't be exist without deal because the only thing we deliver is book/s that we have sold on a deal , but deal can be making without delivery in the store.	
Each employee can make a lot of deals , but each deal we refer only to one sells man / owner who made it . ( in charge for it).	Deal also can not be exist without an employee who made it , but employee can be without making any deal yet .	
Each delivery done only by one of shipping method , however each method can be used in many deliveries.	Each delivery has to be done by some of shipping method that is provide to us by one of two companies - Israel Post or Xpress , but method can be exist without be used in any delivery.	
Each employee can have many month that he worked but each row in working hours table refers only to one employee.	Working hours cant exist without an employee , But employee maybe just started to work for example so he don't have any working hours yet.	

\* can't be exist without -means 'Total Participation' - it's mean that every entity in this set participates in at least one relationship in the relationship set.

\*\* if it can exist without - means 'Partial Participation' - it's mean that some entities may not participate in any relationship in this relationship set