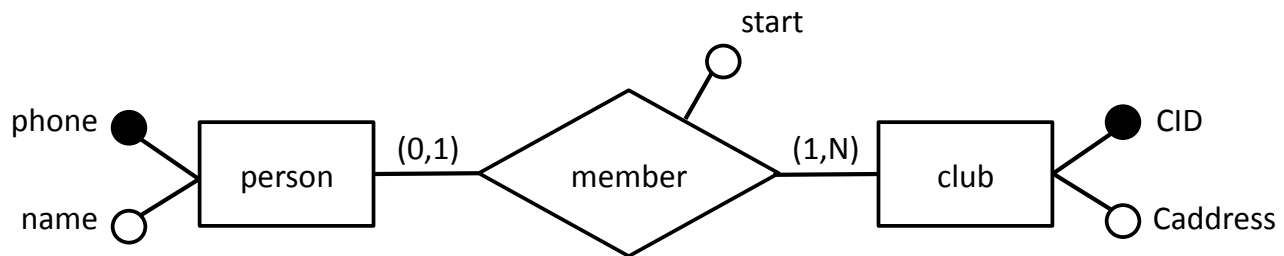


ER Diagrams

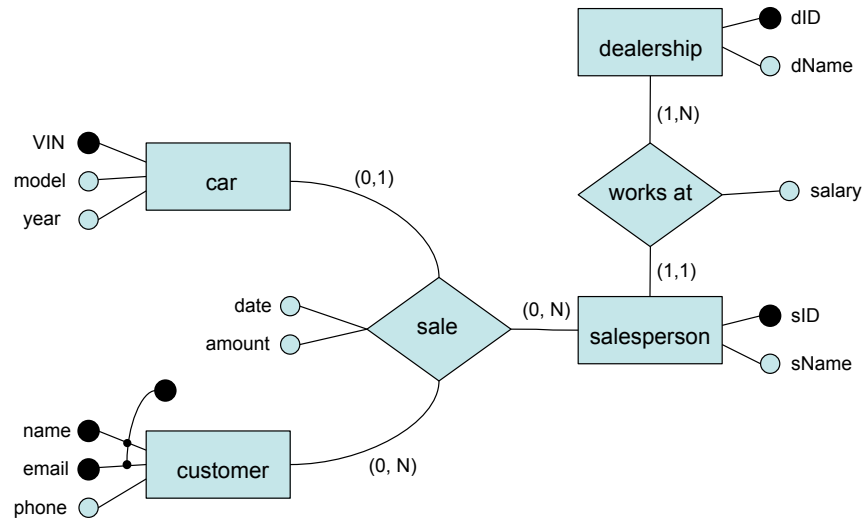
1. Consider the following ER diagram:



Which of these cardinalities is possible?

person	member	club	Is it possible?	
5	0	8	YES	No
5	7	8	YES	No
5	0	5	YES	No
5	10	5	YES	No
11	3	4	YES	No
11	9	4	YES	No

2. Below is an Entity-Relationship diagram about car dealerships. It may or may not represent the domain well. Answer the questions below.



- (a) A car sale cannot involve more than one salesperson.
 True False
- (b) There can be two cars with the same VIN as long as the model and year are different.
 True False
- (c) A salesperson can work at any number of dealerships.
 True False
- (d) There can't be more salespeople than dealerships.
 True False
- (e) There can be multiple sales on the same date.
 True False
- (f) Two salespeople can have the same sID as long as they work at different dealerships.
 True False
- (g) This model contains a weak entity set.
 True False
- (h) The *works at* relationship is a one-to-many relationship.
 True False