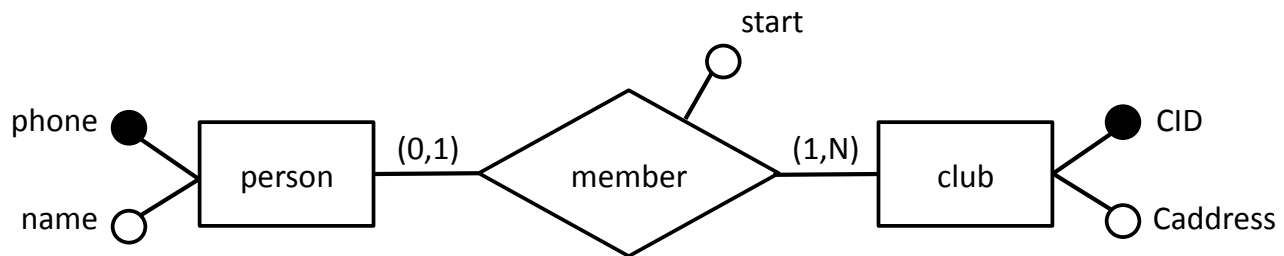


ER Diagrams

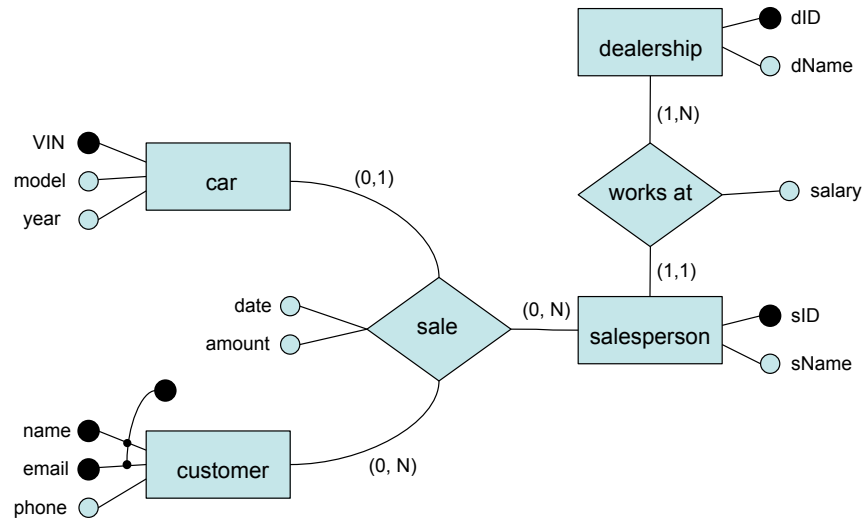
1. Consider the following ER diagram:



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