

SE212 Database System and Design
Lab 5

Name_____Vector Oralita_____SID_____632115000_____

1.. Figure below shows an enterprise data model for a pet store. (3 points)

a. What is the relationship between Pet and Store (one-to-one, many-to-many, or one-to-many)?

One to many

b. What is the relationship between Customer and Pet?

One to many

c. Do you think there should be a relationship between Customer and Store?

- <your opinion goes here>



2. Define each of the following terms: (7 points)

a. entity type :

it is a term that represent an object in the system (business rule) it have 2 type weak type and normal type

b. entity-relationsrup model

it is a model (diagram) that present a business rule as a visualization

c. entity instance

it is a example of the entity on the entity just like we define cat as an entity and we have Mali as a entity instance from cat

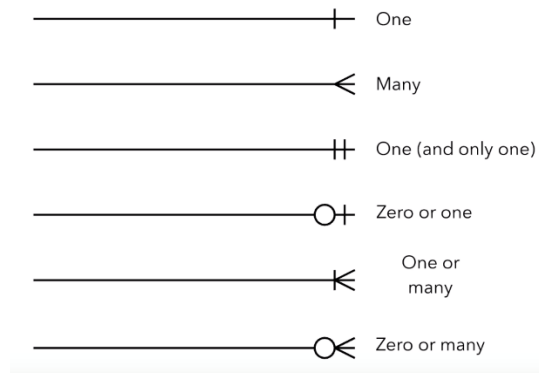
d . attribute

it is a properties that entity have in the example we define cat as an entity and cat will have 4 leg 1 tail those 4 legs 1 tail is an attribute

e. relationship type

it is a type of relation in ER diagram

ERD Cardinality



f. strong entity type

it is an entity that does not depend on any entity on the system

g. multivalued attribute

it is an attribute that have more than one value in the example address, phonebook

h. associative entity

it is an entity that act like a relationship themselves it categorize as a weak entity

i. cardinality constraint

it is a limited number of entity that can involve on this relation

j. weak entity

it is an entity that depend on other entity

k. binary relationship

it is a relationship that relate on 2 entity

l. derived attribute

an attribute that use other attribute to define their value

m. business rule

it is a rule that define what we going to implement

it is a rule that define the system