
ENTITY RELATIONSHIP DIAGRAMS

HELLO USER,

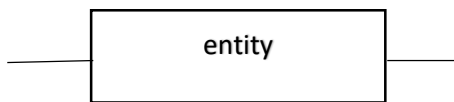
Welcome to our application “**ERD/UML GENERATOR**” help file. We are here to help you for drawing the entity relationship diagrams with the help of the tools provided by our application easily.

Below information tell you the significance, meaning and the structure of each tool provided by us in our application.

Here are some symbols used for drawing the “**ENTITY RELATIONSHIP DIAGRAMS**” . please take a look :-

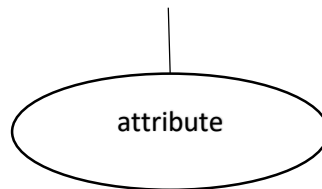
1. A RECTANGLE:

A rectangle represents an “ENTITY” in an entity relationship diagram. It is denoted by,



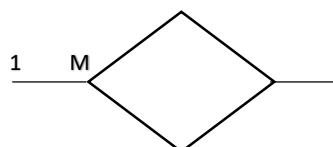
2. AN OVAL/ELLIPSE:

An oval or an ellipse represents an “ATTRIBUTE” in an entity relationship diagram. Attributes are the column names in your database. An attribute is denoted by,



3. A DIAMOND:

A diamond represents the relationship between the two entities. It is denoted by,



4. A LINE:

A line represents a linkage between Attribute(s) to entity set(s) or entity set(s) to relationship set(s) in an entity relationship diagram. A line is denoted by,

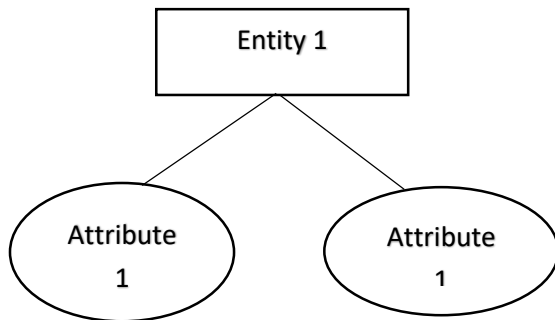


Figure 1

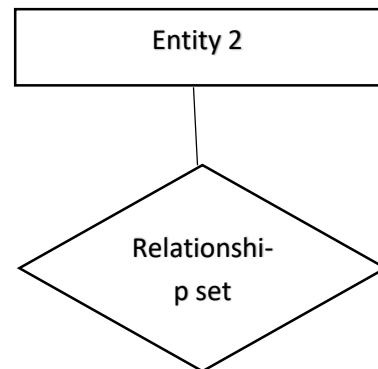
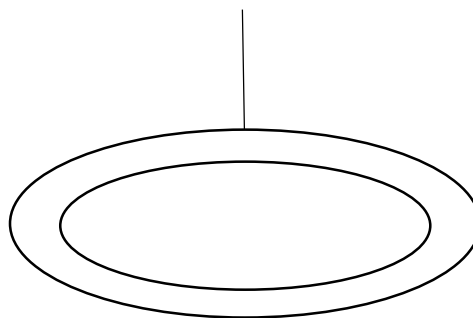


Figure 2

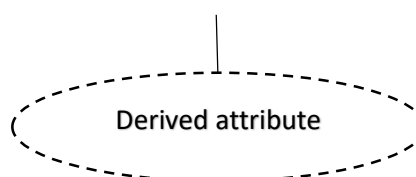
5. THE DOUBLE ELLIPSE:

A double ellipse represents multivalued attributes (the attributes that can contain more than one value). For instance, in a database salary of an employee can be same. Multivalued attributes are denoted by double ellipse in an entity relationship diagram.



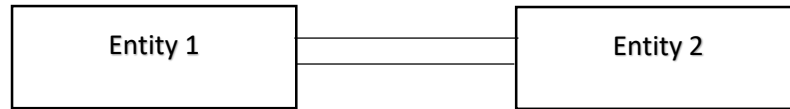
6. A DOTTED ELLIPSE:

A dotted ellipse represents a derived attribute in an entity relationship diagram. It is denoted by,



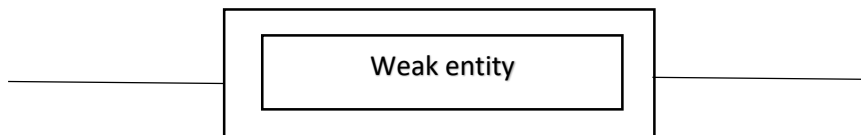
7. THE DOUBLE LINE:

The double lines represents total participation of the entity in an entity relationship diagram. It is denoted by,



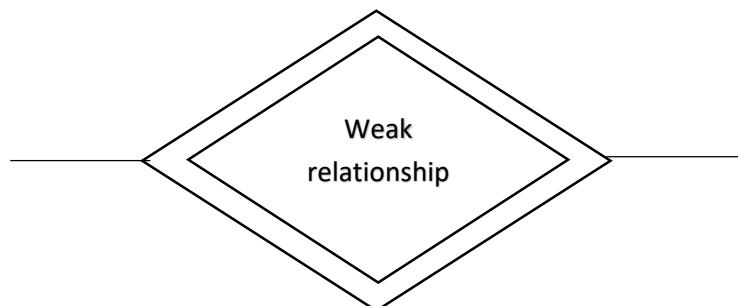
8. THE DOUBLE RECTANGLE:

The double rectangle represents weak entities in an entity relationship diagram. A weak entity is denoted as,



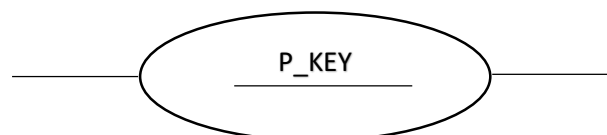
9. THE DOUBLE DIAMOND:

The double diamond represents weak relationship sets in an entity relationship diagram. A weak relationship is denoted by,



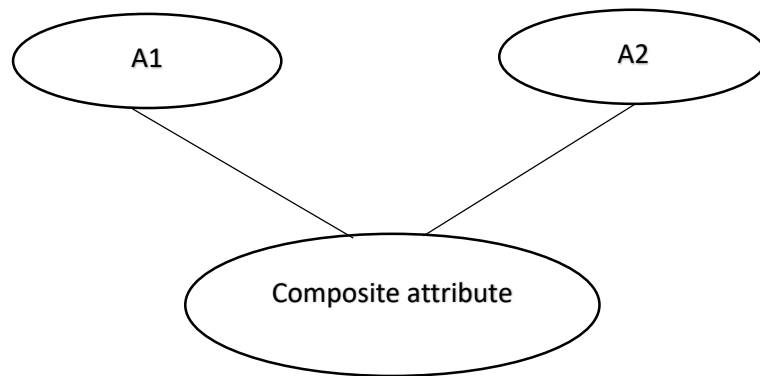
10. THE KEY ATTRIBUTES:

The key attributes are the single valued attributes. The attributes that takes a unique value in database. For example, primary key always takes an unique value in database.



11.THE COMPOSITE ATTRIBUTE:

The composite attributes represent the composition of two attributes in an entity relationship diagram. The composite attributes are denoted by,



That's it!!

Now read the problem given on ERD carefully and try to draw the ERD with the provided (above) tools in our application.

If any doubt, visit the help file again!!

THANK YOU USER!!