**DBMS - ER Diagram Representation**

Any object, for example, entities, attributes of an entity, relationship sets, and attributes of relationship sets, can be represented with the help of an ER diagram.

**Entity:**

Entities are represented by means of **rectangles**.



**Attributes:**

Attributes are represented by means of **ellipses**.

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**Multivalued** attributes are depicted by **double ellipse**.

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**Derived** attributes are depicted by **dashed ellipse**.

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**Relationship:**

**One-to-one:** it is marked as '1:1'

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**One-to-many:** it is marked as '1:N'.

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AI-generated content may be incorrect.**

**Many-to-one:** it is marked as 'N:1'

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**Many-to-many:** it is marked as 'N:N'

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**Participation Constraints:**

* **Total Participation −** Each entity is involved in the relationship. Total participation is represented by **double lines**.
* **Partial participation −** Not all entities are involved in the relationship. Partial participation is represented by **single lines**.

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