Module 7 Assignment

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Definitions

1. Attributes – Characteristics providing descriptive details about data.
2. Multi-valued Attribute – An attribute encompassing various values within a single entity.
3. Derived Attribute – An attribute derived from other attributes within the dataset.
4. Entity – An individual object in a database associated with a specific set of attributes.
5. Weak Entity – An entity lacking a primary attribute, depending on another entity for identification.
6. Relationship – The connection between two or more entities in a database.
7. Recursive Relationship – A link where an entity is connected to itself.
8. Keys – Elements that uniquely identify records within a database.
9. Primary Keys – The main identifier in relational databases.
10. Foreign Keys – Primary keys in one table establishing a connection with another table.
11. Classes – Specify both the attributes and behaviors of entities.
12. Cardinality – The quantity of instances an entity can be linked to another entity.
13. Participation – The requirement for an entity's involvement in a relationship.
14. Total Participation – Every entity is obligated to participate in the relationship.
15. Partial Participation – Some entities may choose not to participate in the relationship.
16. Conceptual Design – A comprehensive overview outlining the structure of relationships.
17. Logical Design – The phase where tables, constraints, and relationships are formulated.
18. Physical Design – The implementation phase that considers indexing, storage, and performance-related decisions.