

Information Capture and Representation

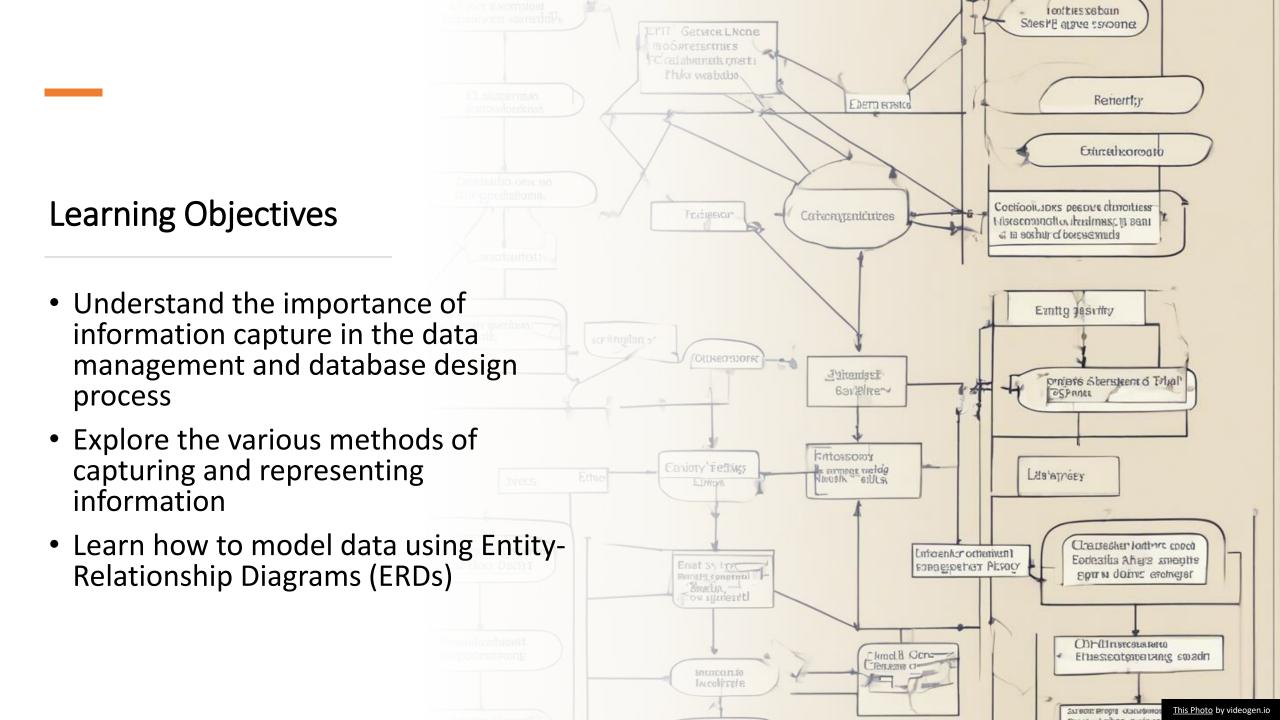
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Information Capture and Representation



 Information capture is the process of collecting data in form of paper documents, forms and edocuments, transforming them into accurate, retrievable information, and delivering the information into business applications and databases for immediate action.

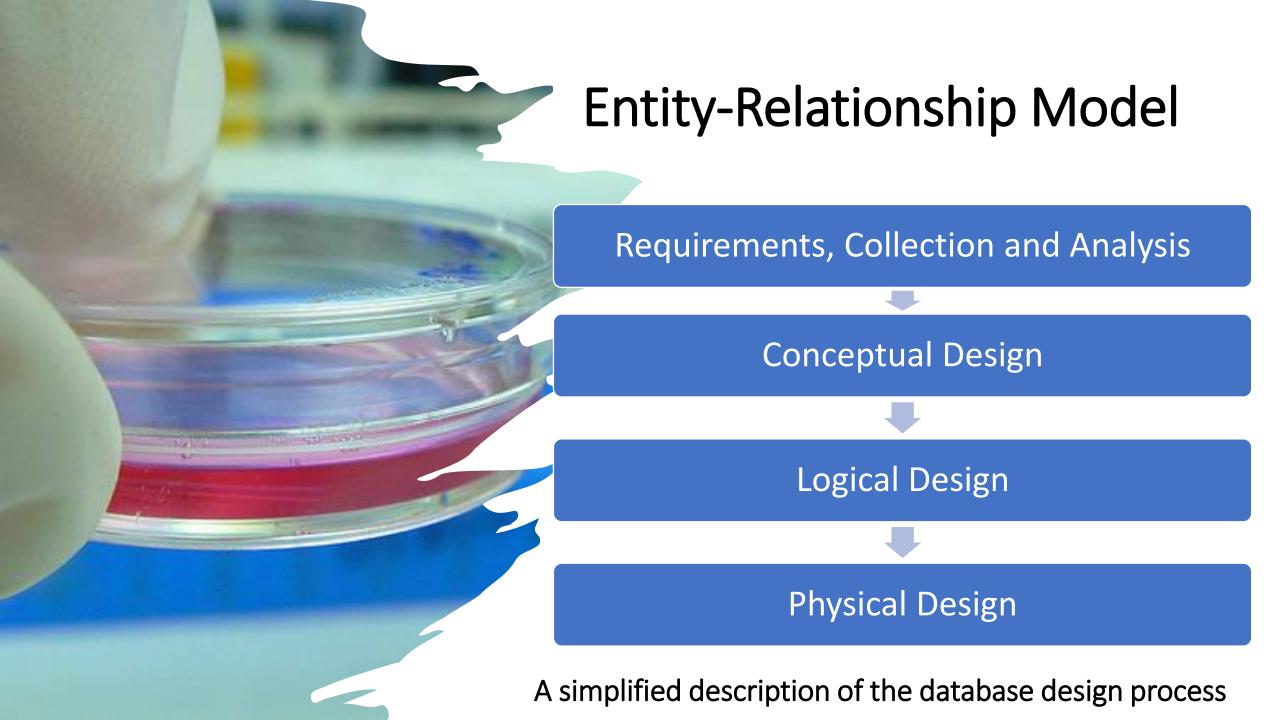
Importance of Information Capture

 Discuss the significance of capturing accurate and relevant information in the database design process

 Highlight how ell-captured information forms the foundation for a robust and efficient database system

Methods of Information Capture

- Interviews and Survey
- Observation and Document Analysis



ER Model describes data as

Entities Relationship Attributes

ER Model describes data as entities, relationships and attributes

- Entity Types
- Weak Entity Types
- Entity Sets
- Key Attributes of an Entity Type
- Value sets (domains) of Attributes
- Composite Attributes
- Simple Attributes

- Multivalued
 Attributes
- Stored Attribute
- Derived Attribute
- Null Values
- Complex Attributes
- Single-valued Attributes

Entity Relationship Diagram

- Rectangles entity sets
- Ellipses attributes
- Diamonds relationship sets
- Lines links attributes to
 entity sets and entity sets to
 relationship sets

