Entity = A table representing a real-world object (e.g. Customer, Order) in a database

Each row = a record; each column = an attribute.

Cardinality = the relationship between entities.

* One to one
* One to many
* Many to many

Schema = visual representation or blueprint of entities & their cardinalities.

* Transactional schema – Designed for real-time operations (OLTP).
* Star schema – A central fact table linked to surrounding dimension tables.
* Snowflake schema – Like a star schema, but dimension tables are normalized into multiple related tables.

Data warehouse = A centralized repository that stores large volumes of structured, relational data, organized using schemas for analysis and reporting (OLAP).

A white paper with black text

AI-generated content may be incorrect.

A diagram of a computer program

AI-generated content may be incorrect.

A close-up of a data lab

AI-generated content may be incorrect.

A close-up of a chart

AI-generated content may be incorrect.