The conceptual schema is the database (with metadata including... Logical data independence indicates protection from changes in logical structure of data. Many views, single conceptual (logical) schema and physical schema.
Conceptual schema at the conceptual level to describe the structure and constraints. Logical Data Independence: The ability to change the logical schema without affecting Physical Data Independence: The capacity to change the internal schema.

Result: Logical or Conceptual Schema • Relation Schemes • Relations • Attributes. Physical or Internal Schema • Tables • Attributes • Datatypes. The logical schema and conceptual schema are sometimes implemented as one and the Physical schema describes the physical means used to store data. Completely separating the logical schema from its physical representation, thus achieving an independent design of this mechanism and then using it as a conceptual framework.

Hotel3. POI17. “Liberty Bell” … … ○ Multiple choices of logical and physical schema are possible for a given conceptual schema. ○ Different choices are more advantageous for specific applications.

Views describe how users see the data, e.g., teachers view vs. student's view. Conceptual schema defines logical structure. Physical schema describes the files. They have been ingrained with the notion that the database schema is an integral part of the system design.


▷ Views describe how users see the data, e.g., teachers view vs. student's view.
▷ Conceptual schema defines logical structure.
conceptual normalization, development of optimized logical and physical schemas from conceptual ones, and conversely. (i.e. reverse engineering).

The conceptual schema represents the view of the data architect or data really consists of two separate schemas: a logical schema and a physical schema.


The physical model is simply the way the data is stored on disk. A logical schema is a conceptual design of the database done on paper or a whiteboard. Conceptual (or Logical) Schema: typically builds the basis for designing a conceptual schema). – Physical Schema: storage structures associated. For computer specialists/DBMS implementer, Physical data model, Record formats, record Capacity to change conceptual schema without affecting external view physical and logical locks treated uniformly, multiple granularity of locks.