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Infological Modelling Objectives

Relational Databases Basics

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Levels of Database Modelling

Level		It describes…	It operates…
Logical	Conceptual (infological)	Subject matter regardless database type	Entities, attributes, some relationships
	Logical (datalogical)	Subject matter regarding database type or DBMS	Entities, attributes, relationships, keys, some indexes and views
Physical		Technical aspects regarding DBMS	Entities, attributes, relationships, keys, indexes, views, triggers, stored routines, storage engines, encodings, permissions, etc.

Read and remember!

Conceptual (Infological) Level – a level of consideration at which all aspects deal with the interpretation and manipulation of information describing a particular universe of discourse or entity world in an information system.

The main objective

We have to create a model that represents all necessary entities (with their attributes) of the subject matter in the best way possible.

Points to consider

- Information gathering
- Research depth
- Research borders

Points to consider

- Information gathering
  - Iterative
- Research depth
  - Interviews, questionnaires, focus groups, prototyping and so on…
- Research borders
  - We must NOT omit any important detail!

Points to consider

- Information gathering
- Research depth
- Research borders

It’s not enough to collect just some entities with some attributes, we have to collect them ALL.

Points to consider

- Information gathering
- Research depth
- Research borders

We have to know when (and where) to stop. Otherwise we risk to create “a database of the whole Universe” ☺.

P.S.

Information gathering is a kind of Business Analysis activity, still with database modelling we often help business analysts with their work, or even become such business analysts.

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