



# DATABASE IMPLEMENTATION GUIDELINES

## OBJECTIVE:

Implementing the logical data model as a database in a DBMS.

## ASSUMPTION:

The logical data model is a technology independent semantic model of the business records.

## IMPLEMENTATION GOALS:

Adherence to the logical data model specification.  
Excellent database performance.

## STEPS:

1. Select correct database type for the primary use ([purpose](#)) of the database.
2. Include all the data governance requirements into the database [structure](#).
3. Add all the [indexes](#) required for database performance.

## PITFALLS:

1. [Database performance](#) depends not only on the design and structure of the database, but also on the physical structure and processing load of the DBMS server.
2. Modifying the logical data model through denormalization will:
  - a. invalidate the [data model assumptions](#) made during the logical data modeling design
  - b. require the modification of the logical data model
  - c. necessitate updating the entries recorded in the [data dictionary](#).