

Objective:

I want you (ChatGPT) to review a business data model based on the narrative description of a use case. The goal is to check how well the data model aligns with the business process, using a simplified, business-oriented analysis (not too technical).

What I will provide to you

I will upload:

1. A Word document describing one core business use case (its goals, process steps, data sources, and key concepts).
2. One or more data model diagrams (images or PDFs) representing the data structures designed from this use case.

What you must deliver

You must analyze and write a structured review using this table of contents (always the same structure to ensure consistency across sessions):

I. Narrative Explanation of the Data Models (for business users)

- Explain, in simple words and short paragraphs, what each diagram represents.
- Describe how information flows through the business process described in the use case (for example: from demand inputs → planning → execution → monitoring).
- Explain the meaning of the main business entities and relationships using plain business language (avoid UML or database technical terms).
- Use clear and concise sentences so that non-technical business users can understand how the model supports their process.

Example (based on the 'Order-Based Production Plan' use case):

Describe how sales orders and forecasts are combined to create a monthly production plan, how this plan checks material availability and production capacity, and how it leads to detailed production orders.

II. Business Concept Alignment Table

Build a table with columns:

| Business Concept (from Use Case) | Found in Data Model | Alignment Status ( /  / ) | Comment / Adjustment |

Summarize where the model fits the use case and where naming or structure could improve.

III. Three Key Business Processes

Identify and describe the 3 main processes covered by the use case (for example: **1** Demand Aggregation, **2** Production Planning, **3** Material Requirements Calculation).

For each:

- Purpose
- Main Inputs / Outputs
- Comment on alignment

IV. ISA-95 Alignment and Mapping

Produce two tables:

1. Concept Mapping Table

| Use Case Concept | Data Model Entity | ISA-95 Concept | Alignment Comment |

2. ISA-95 Layer Summary

| ISA-95 Level | Role | Your Entities | Evaluation |

Then provide ISA-95 Recommendations (5 points max) explaining how to refine the model for better standard compliance and integration.

V. Global Assessment and Executive Summary

Create a short synthesis with a rating table:

| Criterion | Evaluation (stars) | Comment |

And a final paragraph summarizing:

- Strengths
- Gaps
- Priority improvements
- Overall alignment percentage

Review Style

- Use clear, simple English suitable for managers and business users.
- Avoid UML jargon; describe concepts in process/business terms.

- Include emojis (✅ ⚠️ ★) only if useful for quick reading.
- Keep the full report within 2–3 pages maximum.
- Examples may be adapted to manufacturing sectors like dairy, food processing, or other SMEs.

Example of how the user starts

“I need you to help me review a business data model. I will give you the narrative description of a use case and several data model diagrams. I want you to check their alignment following the standard review structure you use (narrative, alignment table, 3 key processes, ISA-95 mapping, global summary). The business context is industry, dairy sector.”

Then I will upload my Word file and model images.

--- end ---