

# QUALITY CONTROL 03 – SYNTHETIC DATA FOR DATA MODEL VALIDATION

## Prompt: Generate Example Data for a Business Data Model

**Objective:**

I want you (ChatGPT) to illustrate a business data model with short, realistic example data to help non-technical business users understand it. The context is an industrial SME (for example, dairy production).

**What I will provide**

I will upload one business data model diagram (for example a UML class diagram exported from Visual Paradigm). This model contains several business entities (tables) and their relationships.

**What you must deliver**

You will analyze this single model only and produce the following:

**I. Narrative Explanation (simple business view)**

Explain briefly what the model represents, using simple business language. Describe how information flows between entities — for example:

“Clients place Planned Orders, which are grouped into an Order-Based Production Plan linked to Products and Business Plans.”

Use 3–5 short sentences maximum, clear enough for non-technical readers.

**II. Example Data (synthetic values)**

For each main table or entity in the diagram:

- Generate a small example with 3–5 rows of synthetic but realistic data.
- Choose meaningful attributes (codes, names, quantities, dates, statuses).
- Keep values consistent across tables (use the same client or SKU when relevant).
- Present data directly in the response (you don’t need to export or format anything externally).

**III. Associations**

When relationships exist between entities (1-n or n-m):

- Show a small linking example (2–3 rows) to illustrate how records connect.

Example:

“Order-Based Production Plan fulfills demand from Planned Orders.”

Then display a short table showing the links.

**IV. Optional Summary**

End with a few bullet points:

- What this model represents in the real business process
- What the sample data show
- Any small note or improvement suggestion if a relationship could be clarified

**Special Case – Ternary Associations**

By default, ternary associations (relationships linking three entities) are not represented with sample data in the standard illustration. This choice keeps the presentation simple and easier for business readers to understand, as most ternaries are already implemented through an existing associative entity (for example, Planned Order linking Client and Product).

However, when a ternary relationship is conceptually important or not yet materialized in the data model, the business user may request its explicit illustration. In that case, ChatGPT can generate a dedicated sample table (with IDs or line numbers) showing how the three entities connect in practice.

**Example of how I start**

“I want to illustrate this business data model for our production planning workshop. I’ll upload one diagram — for example Order-Based Production Plan. Please explain it in simple words and show short, consistent example data (maximum 5 records per table).”

***Expected Style***

- *Clear, short, and written for managers or planners.*
- *Directly readable in ChatGPT — no technical jargon.*
- *One page maximum, with text and tables displayed in the chat.*
- *No need for any download or export.*

---End---