## Database design phase 2 – Logical (and later Physical) Design

### Data Dictionary

Table descriptions

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Table name** | **Description** | **Synonyms/Aliases (to be avoided)** | **Occurrence** | **Medium / Max amount** | **Volatility** |
| Product | Exact product version that the customers can order. E.g. “HP Elitebook 840 G1, 64BG, Silver, SWE-FI keyboard”. | Product title, Title, Merchandise, Item, Product version… | Added whenever we get new products to our offering. Removed 5 years after the removal from the catalog. | 1 000 / 200 000 |  |
|  | … |  |  |  |  |
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Table 1.1 Data Dictionary. Table descriptions.

Column descriptions with the data types of the chosen technical storage (Relational Database, MS SQL Server Database):

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| --- | --- | --- | --- | --- | --- | --- |
| **Table name** | **Column** | **Description** | **Data type and Length** | **NULL / UNIQUE** | **Primary/Alternate key** | **Special value domain?** |
| Product | id | (Surrogate key) | INTEGER | NOT NULL | PK | 1001-999999 |
|  | … |  |  |  |  |  |
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| ProductCategory | id | (Surrogate key) | INTEGER | NOT NULL | PK | 101-999999 |
|  | … |  |  |  |  |  |
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Table 1.2 Data Dictionary. Column descriptions.