**Project Naming Conventions**

**General Principles:**

* **Naming Conventions:** Use snake\_case, with lowercase letters and understand ( \_ ) to separate words.
* **Language:** Use English for all names.
* **Avoid Reserved Words:** Do not use SQL reserved words as object names.

**Table Naming Conventions**

**Bronze Rules:**

* All names must start with source system name, and table names must match their original names without renaming.
* <**sourcesystem>\_<entity>**
  + **<** sourcesystem**>:** Name of the source system (e.g., crm, erp).
  + <entity>: Exact table name from the source system.
  + Example: crm\_customer\_info 🡪 Customer information from the CRM system.

**Silver Rules:**

* All names must start with source system name, and table names must match their original names without renaming.
* <**sourcesystem>\_<entity>**
  + **<** sourcesystem**>:** Name of the source system (e.g., crm, erp).
  + <entity>: Exact table name from the source system.
  + Example: crm\_customer\_info 🡪 Customer information from the CRM system.

**Gold Rules:**

* All names must use meaningful, business-aligned names for tables, starting with the category prefix.
* <**category>\_<entity>**
  + **<** category**>:** Describes the role of the table, such as dim (dimension) or fact (fact table).
  + <entity>: Descriptive name of the table, aligned with the business domain (r.g., customer, products, sales).
  + Example:
    - dim\_customer 🡪 Dimension table for customer data.
    - fact\_sales 🡪 Fact table containing sales transactions.

**Glossary of Category Patterns**

|  |  |  |
| --- | --- | --- |
| **Pattern** | **Meaning** | **Example(s)** |
| dim\_ | Dimension table | dim\_customer, dim\_product |
| fact\_ | Fact Table | fact\_sales |
| agg\_ | Aggregated table | agg\_customer, agg\_sales\_monthly |

**Column Naming Conventions**

**Surrogate Keys:**

* All primary keys in dimension tables must use the suffix \_key.
* **<table\_name>\_key**
  + **<table\_name>:** Refers to the name of the table or entity the key belongs to.
  + **\_key:** A suffix indicating that this column is a surrogate key.
  + Example: **customer\_key** 🡪 Surrogate key in the dim\_customers table.

**Technical Columns:**

* All technical columns must start with the prefix **dwh\_**, followed by a descriptive name indicating

**Stored Procedure**

* All stored procedures used for loading data must follow the naming pattern: **load\_<layer>.**
* **<layer> :** Represents the layer being loaded, such as **bronze, silver,** or **gold.**
* Example:
  + **load\_bronze 🡪** Stored procedure for loading data into the Bronze layer.
  + **load\_silver 🡪** Stored procedure for loading data into the Silver layer.