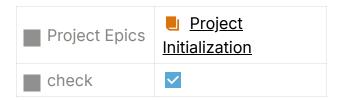
Define Project Naming Conventions



General Principles

- Naming Conventions: Use snake_case, with lowercase letters and underscores (_) 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 the 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 the 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>: Name of the source system (e.g., crm, erp)
 - <entity>: Descriptive name of the table, aligned with the business domain (e.g., customers, products, sales).
 - Examples:
 - dim_customers Dimension table for customer data.
 - fact_sales Fact table containing sales transactions.

Glossary of Category Patterns

Pattern	Meaning
dim_	Dimension Table
fact_	Fact Table
agg_	Aggregated Table

Column Naming Conventions

Surrogate Keys

- All primary keys in dimension tables must use the suffix _key.
- <table_name>_key
 - <table_name>: Refer 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 the technical columns must start with the prefix dwh_, followed by a descriptive name indicating the column's purpose.
- dwh_<columns_name>
 - dwh: Prefix exclusively for system-generated metadata.
 - <column_name>: Descriptive name indicating the column's purpose.
 - Example: dwh_load_data System-generated column used to store the data when the record was loaded.

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 Bronze layer.