

# Naming Conventions

This document outlines the naming standards used in the **Digital Allyship Toolkit Data Warehouse** to ensure consistency, readability, and maintainability across the Medallion Architecture (Bronze, Silver, Gold).

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## General Principles

- **Naming Style:** Use snake\_case (lowercase with underscores)
  - **Language:** English only
  - **Avoid Reserved Words:** Do not use SQL keywords (e.g., table, order, select)
  - **Singular Naming:** Use singular nouns for entities (user, course, module)
  - **Clarity First:** Names must clearly describe business meaning
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## Table Naming Conventions

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### Bronze Layer Rules (Raw Data)

Bronze stores data exactly as received from the **LMS operational database and surveys**.

#### Pattern

<src>\_<entity>

## Where

- src = source system name
- entity = original table name (no renaming)

## Source Systems Used

Source	Meaning
lms	Digital Allyship platform database
survey	assessment forms (CSV ingestion)

## Examples

lms\_users  
lms\_courses  
lms\_lesson\_activity  
lms\_quiz\_attempts  
survey\_pre\_assessment  
survey\_post\_assessment

Rule:  
Do NOT rename columns or tables in Bronze.

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## Silver Layer Rules (Cleaned & Structured)

Silver contains cleaned and validated data structured for analytics.

### Pattern

<src>\_<entity>

### Rules

- Keep same entity name as Bronze
- Data is cleaned and standardized
- Surrogate keys introduced
- Duplicates removed

## Examples

lms\_users  
lms\_courses  
lms\_learning\_activity  
lms\_assessment\_results

Silver represents the **trusted single source of truth**

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## Gold Layer Rules (Business Analytics)

Gold contains business-ready dimensional models.

### Pattern

<category>\_<entity>

### Categories

Prefix	Meaning	Example
dim_	Dimension tables	dim_user
fact_	Fact tables	fact_learning_activity
report_	Aggregated reporting tables	report_engagement_summary

### Examples

dim\_user  
dim\_course  
fact\_learning\_activity  
fact\_assessment  
report\_engagement\_summary  
report\_completion\_rate  
report\_behaviour\_change

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## Column Naming Conventions

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### Surrogate Keys

All dimension tables must use surrogate keys.

#### **Pattern**

<table\_name>\_key

#### **Examples**

user\_key  
course\_key  
module\_key  
department\_key

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### **Technical Columns (Metadata)**

System-generated ETL columns must use the dwh\_ prefix.

#### **Pattern**

dwh\_<description>

#### **Examples**

dwh\_load\_date  
dwh\_update\_date  
dwh\_source\_system  
dwh\_batch\_id  
dwh\_is\_current  
dwh\_valid\_from  
dwh\_valid\_to

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### **Stored Procedure Naming**

All ETL stored procedures follow the pattern:

load\_<layer>\_<entity>

#### **Examples**

load\_bronze\_lms\_users

load\_bronze\_survey\_pre\_assessment

load\_silver\_lms\_users

load\_silver\_learning\_activity

load\_gold\_dim\_user

load\_gold\_fact\_learning\_activity

load\_gold\_report\_engagement

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## Quick Summary

- **Bronze** → raw source data (lms\_users)
  - **Silver** → cleaned trusted data (lms\_users)
  - **Gold** → business models (dim\_user, fact\_learning\_activity)
  - **Keys** → \_key
  - **Metadata** → dwh\_
  - **Procedures** → load\_<layer>\_<entity>
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