LLM Automated Evaluation Results

Functional Requirements Evaluation Report

Data Entity Identification Results

Extracted data entities from functional requirements (total 8):

- Asset (involves FR-01 to FR-04)

- User (involves FR-05 to FR-09)

- Department (involves FR-10 to FR-12)

- AssetCategory (involves FR-13 to FR-16)

- PermissionAssignment (involves FR-06, FR-17)

- UsageRecord (involves FR-18 to FR-21)

- AuditLog (involves FR-04, FR-20 to FR-23)

- EmailNotification (involves FR-24)

Functional Requirements Merging Results

Applied merging rules:

- Merged FR-10/11/12 into "Manage Departments"

- Merged FR-13/14/15 into "Manage Asset Categories"

- No system-wide setting requirements removed

- Final functional requirement count: 20 (original 24 merged to 20)

Functional Requirements Evaluation Details

Functional Requirement | Hallucination | Judgment Reason

FR-01: Asset Registration | No | Involves Asset entity connected to system core

FR-02: View Asset Information | No | Involves Asset entity

FR-03: Modify Asset Details | No | Involves Asset entity

FR-04: Remove Asset | No | Involves Asset entity

FR-05: User Registration | No | Involves User entity connected to Department

FR-06: Assign User Permissions | No | Involves User and PermissionAssignment entities

FR-07: Modify User Information | No | Involves User entity

FR-08: Remove User | No | Involves User entity

FR-09: Administrator Login | No | Involves User entity

FR-10/11/12: Manage Departments | No | Involves Department entity connected to User/Asset

FR-13/14/15: Manage Asset Categories | No | Involves AssetCategory entity connected to Asset

FR-16: View Asset Category | No | Involves AssetCategory entity

FR-17: Manage Permission Assignment | No | Involves PermissionAssignment entity connected to User

FR-18: Record Asset Usage | No | Involves UsageRecord entity connected to Asset

FR-19: View Usage Records | No | Involves UsageRecord entity

FR-20: Modify Usage Records | No | Involves UsageRecord entity

FR-21: Delete Usage Records | No | Involves UsageRecord entity

FR-22: View Audit Log | No | Involves AuditLog entity connected to operations

FR-23: Generate Audit Report | No | Involves AuditLog entity

FR-24: Send Email Notification | No | Involves EmailNotification entity connected to events

Summary Statistics

- Total data entities in document: 8

- Functional requirements after merging: 20

- Hallucination requirements: 0 (all entities properly connected via core entities)

- Non-hallucination requirements: 20

Final Summary

The document involves 8 data entities. After functional point merging, there are 20 requirements in total, including 0 hallucination requirements and 20 non-hallucination requirements. All entities are properly connected in the entity-relationship graph through core entities (Asset and User).

Key Notes:

1. Merged similar operations on Department and AssetCategory entities

2. No isolated entities found in the requirement set

3. Evaluation strictly followed entity connectivity rules