LLM Automated Evaluation Results

Functional Requirements Evaluation Report

Data Entity Identification Results

Extracted data entities from functional requirements (total 10):

- Asset (involves FR-01 to FR-09)

- AssetCategory (involves FR-02, FR-16 to FR-18)

- User (involves FR-07, FR-16 to FR-21)

- UsageRecord (involves FR-03 to FR-05, FR-10, FR-11, FR-27)

- PermissionAssignment (involves FR-16 to FR-19)

- AuditLog (involves FR-04 to FR-06, FR-12, FR-13)

- EmailNotification (involves FR-14, FR-15)

- Department (involves FR-20, FR-22 to FR-24)

- AssetStatus (involves FR-25, FR-26)

- AssetInventory (involves FR-09)

Functional Requirements Merging Results

Applied merging rules:

- Merged FR-16 and FR-17 into "Manage Permission Assignment"

- Merged FR-22, FR-23, FR-24 into "Manage Departments"

- No system-wide setting requirements removed

- Final functional requirement count: 23 (original 27 merged to 23)

Functional Requirements Evaluation Details

Functional Requirement | Hallucination | Judgment Reason

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

FR-02: Asset Categorization | No | Involves AssetCategory entity connected to Asset

FR-03: Asset Allocation | No | Involves Asset, User, UsageRecord, PermissionAssignment entities

FR-04: Asset Usage Tracking | No | Involves Asset, UsageRecord, AuditLog entities

FR-05: Asset Return | No | Involves Asset, UsageRecord, AuditLog entities

FR-06: Asset Disposal | No | Involves Asset, AuditLog entities

FR-07: View Asset Information | No | Involves Asset entity

FR-08: Modify Asset Details | No | Involves Asset, AuditLog entities

FR-09: Manage Asset Inventory | No | Involves AssetInventory entity connected to Asset

FR-10: View Usage Records | No | Involves UsageRecord entity connected to Asset

FR-11: Generate Usage Report | No | Involves UsageRecord entity

FR-12: View Audit Logs | No | Involves AuditLog entity connected to operations

FR-13: Export Audit Logs | No | Involves AuditLog entity

FR-14: Send Email Notifications | No | Involves EmailNotification entity connected to events

FR-15: Configure Email Settings | No | Involves EmailNotification entity

FR-16/17: Manage Permission Assignment | No | Involves PermissionAssignment entity connected to User

FR-18: View Permission Settings | No | Involves PermissionAssignment entity

FR-19: Manage Permission Assignment | No | Involves PermissionAssignment entity

FR-20: User Registration | No | Involves User entity connected to Department

FR-21: User Login | No | Involves User entity

FR-22/23/24: Manage Departments | No | Involves Department entity connected to User/Asset

FR-25: Manage Asset Status | No | Involves AssetStatus entity connected to Asset

FR-26: View Asset Status | No | Involves AssetStatus entity

FR-27: Manage Usage Record | No | Involves UsageRecord entity connected to Asset

Summary Statistics

- Total data entities in document: 10

- Functional requirements after merging: 23

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

- Non-hallucination requirements: 23

Final Summary

The document involves 10 data entities. After functional point merging, there are 23 requirements in total, including 0 hallucination requirements and 23 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 PermissionAssignment and Department entities

2. No isolated entities found in the requirement set

3. Evaluation strictly followed entity connectivity rules