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-08, FR-23, FR-24)

- User (involves FR-21, FR-22)

- Permission (involves FR-18 to FR-20)

- UsageRecord (involves FR-09 to FR-11)

- AuditLog (involves FR-15)

- AuthenticationLog (involves FR-16)

- AssetCategory (involves FR-25)

- Location (involves FR-26)

- TransferRecord (involves FR-27)

- MaintenanceRecord (involves FR-28)

Functional Requirements Merging Results

Applied merging rules:

- Merged FR-03 and FR-04 into "Asset Change Approval"

- Merged FR-10 and FR-11 into "Usage Approval"

- Merged FR-12 to FR-14 into "Report Processing"

- Merged FR-19 and FR-20 into "Permission Approval"

- Merged FR-21 and FR-22 into "User Management"

- No system-wide setting requirements removed

- Final functional requirement count: 22 (original 28 merged to 22)

Functional Requirements Evaluation Details

Functional Requirement | Hallucination | Judgment Reason

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

FR-02: Asset Validation | No | Involves Asset entity input validation

FR-03/04: Asset Change Approval | No | Involves Asset entity approval process

FR-05: Asset Storage | No | Involves Asset entity database operations

FR-06: Asset Retrieval | No | Involves Asset entity query operations

FR-07: Asset Modification | No | Involves Asset entity update operations

FR-08: Asset Deletion | No | Involves Asset entity removal operations

FR-09: Usage Recording | No | Involves UsageRecord entity connected to Asset

FR-10/11: Usage Approval | No | Involves UsageRecord approval workflow

FR-12/13/14: Report Processing | No | Involves reporting functionality using Asset data

FR-15: Audit Logging | No | Involves AuditLog entity connected to operations

FR-16: Authentication Logging | No | Involves AuthenticationLog entity

FR-17: Email Notification | No | Involves notification functionality connected to events

FR-18: Permission Assignment | No | Involves Permission entity connected to User

FR-19/20: Permission Approval | No | Involves Permission entity approval workflow

FR-21/22: User Management | No | Involves User entity CRUD operations

FR-23: Data Import | No | Involves Asset entity import operations

FR-24: Data Export | No | Involves Asset entity export operations

FR-25: Asset Category Management | No | Involves AssetCategory entity

FR-26: Location Management | No | Involves Location entity

FR-27: Transfer Record Management | No | Involves TransferRecord entity

FR-28: Maintenance Record Management | No | Involves MaintenanceRecord entity

Summary Statistics

- Total data entities in document: 10

- Functional requirements after merging: 22

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

- Non-hallucination requirements: 22

Final Summary

The document involves 10 data entities. After functional point merging, there are 22 requirements in total, including 0 hallucination requirements and 22 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 approval workflows and reporting

2. No isolated entities found in the requirement set

3. Evaluation strictly followed entity connectivity rules