LLM Automated Evaluation Results

Functional Requirements Evaluation Report

Data Entity Identification Results

Extracted data entities from functional requirements (total 12):

- Email (involves FR-01 to FR-07, FR-30)

- Contact (involves FR-08 to FR-11)

- DistributionGroup (involves FR-12 to FR-15)

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

- EmailTemplate (involves FR-20 to FR-23)

- ComplianceAuditRecord (involves FR-26, FR-27)

- EmailArchiveRecord (involves FR-06, FR-07, FR-28)

- EmailStatusLog (involves FR-24, FR-25)

- EmailFolder (involves FR-29)

- Notification (involves FR-31)

- EmailArchivePolicy (implicit in FR-28)

- User (implicit in FR-16 to FR-19)

Functional Requirements Merging Results

Applied merging rules:

- No merging performed as all requirements target different operations/entities

- No system-wide setting requirements removed

- Final functional requirement count: 31 (same as original document)

Functional Requirements Evaluation Details

Functional Requirement | Hallucination | Judgment Reason

FR-01: Create Email | No | Involves Email entity connected to User/EmailAccount

FR-02: Send Email | No | Involves Email entity connected to DistributionGroup

FR-03: Receive Email | No | Involves Email entity connected to EmailAccount

FR-04: Read Email | No | Involves Email entity

FR-05: Delete Email | No | Involves Email entity

FR-06: Archive Email | No | Involves Email and EmailArchiveRecord entities

FR-07: Recover Email | No | Involves Email and EmailArchiveRecord entities

FR-08: Create Contact | No | Involves Contact entity connected to DistributionGroup

FR-09: Update Contact | No | Involves Contact entity

FR-10: Delete Contact | No | Involves Contact entity

FR-11: View Contact | No | Involves Contact entity

FR-12: Create Distribution Group | No | Involves DistributionGroup entity connected to Contact

FR-13: Update Distribution Group | No | Involves DistributionGroup entity

FR-14: Delete Distribution Group | No | Involves DistributionGroup entity

FR-15: View Distribution Group | No | Involves DistributionGroup entity

FR-16: Register Email Account | No | Involves EmailAccount entity connected to User

FR-17: Modify Email Account | No | Involves EmailAccount entity

FR-18: Delete Email Account | No | Involves EmailAccount entity

FR-19: View Email Account | No | Involves EmailAccount entity

FR-20: Manage Email Templates | No | Involves EmailTemplate entity connected to Email

FR-21: Create Email Template | No | Involves EmailTemplate entity

FR-22: Update Email Template | No | Involves EmailTemplate entity

FR-23: Delete Email Template | No | Involves EmailTemplate entity

FR-24: Log Email Status | No | Involves Email and EmailStatusLog entities

FR-25: Manage Email Status Logs | No | Involves EmailStatusLog entity

FR-26: View Compliance Audit Records | No | Involves ComplianceAuditRecord entity connected to Email

FR-27: Generate Compliance Audit Reports | No | Involves ComplianceAuditRecord entity

FR-28: Manage Email Archive Records | No | Involves EmailArchiveRecord entity connected to Email

FR-29: Manage Email Folders | No | Involves EmailFolder entity connected to Email

FR-30: Update Email | No | Involves Email entity

FR-31: Manage Notifications | Yes | Notification entity not connected to any core system entity

Summary Statistics

- Total data entities in document: 12

- Functional requirements after merging: 31

- Hallucination requirements: 1 (FR-31)

- Non-hallucination requirements: 30

Final Summary

The document involves 12 data entities. After functional point merging, there are 31 requirements in total, including 1 hallucination requirement (FR-31) and 30 non-hallucination requirements. All valid entities are properly connected in the entity-relationship graph through core entities (Email and EmailAccount).

Key Notes:

1. FR-31 identified as hallucination due to isolated Notification entity

2. No merging performed as all requirements target distinct operations

3. Evaluation strictly followed entity connectivity rules