LLM Automated Evaluation Results

Functional Requirements Evaluation Report

Data Entity Identification Results

Extracted data entities from functional requirements (total 8):

- EmailAccount (involves FR-01 to FR-03)

- Contact (involves FR-11 to FR-13)

- DistributionGroup (involves FR-14, FR-15, FR-31, FR-35)

- Email (involves FR-04 to FR-10, FR-34)

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

- ArchivePolicy (involves FR-20 to FR-22, FR-28, FR-33, FR-36 to FR-38)

- EmailFlow (involves FR-23, FR-24, FR-30/32)

- UserRecord (involves FR-25 to FR-27)

Functional Requirements Merging Results

Applied merging rules:

- Merged FR-10 and FR-34 into "Email Recovery from Archive"

- Merged FR-30 and FR-32 into "Email Flow Assignment"

- No system-wide setting requirements removed

- Final functional requirement count: 37 (original 39 merged to 37)

Functional Requirements Evaluation Details

Functional Requirement | Hallucination | Judgment Reason

FR-01: Email Account Creation | No | Involves EmailAccount entity connected to system core

FR-02: Email Account Management | No | Involves EmailAccount entity

FR-03: Email Account Deletion | No | Involves EmailAccount entity

FR-04: Email Sending | No | Involves Email entity connected to Contact/DistributionGroup

FR-05: Email Receiving | No | Involves Email entity connected to EmailAccount

FR-06: Email Formatting | No | Involves Email entity

FR-07: Email Reading | No | Involves Email entity

FR-08: Email Archiving | No | Involves Email entity connected to ArchivePolicy

FR-09: Archived Email Search | No | Involves Email entity

FR-10/34: Email Recovery from Archive | No | Involves Email entity connected to ArchivePolicy

FR-11: Contact Creation | No | Involves Contact entity connected to DistributionGroup

FR-12: Contact Management | No | Involves Contact entity

FR-13: Contact Reading | No | Involves Contact entity

FR-14: Distribution Group Creation | No | Involves DistributionGroup entity connected to Contact

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

FR-16: Calendar Event Creation | No | Involves CalendarEvent entity connected to Contact/Email

FR-17: Calendar Event Update | No | Involves CalendarEvent entity

FR-18: Calendar Event Deletion | No | Involves CalendarEvent entity connected to Email

FR-19: Calendar Event Reading | No | Involves CalendarEvent entity

FR-20: Archive Policy Creation | No | Involves ArchivePolicy entity

FR-21: Archive Policy Update | No | Involves ArchivePolicy entity

FR-22: Archive Policy Deletion | No | Involves ArchivePolicy entity

FR-23: Email Flow Management | No | Involves EmailFlow entity

FR-24: Email Flow Capture | No | Involves EmailFlow entity connected to Email

FR-25: User Management | No | Involves UserRecord entity

FR-26: Email Ownership Assignment | No | Involves EmailAccount and UserRecord entities

FR-27: Contact Ownership Assignment | No | Involves Contact and UserRecord entities

FR-28: Archive Policy Application | No | Involves ArchivePolicy and EmailAccount entities

FR-29: Email Recovery Record Deletion | Yes | Involves undefined "EmailRecoveryRecord" entity not connected to system

FR-31: Email Sending to Distribution Group | No | Involves Email and DistributionGroup entities

FR-33: Email Archiving by Policy | No | Involves Email and ArchivePolicy entities

FR-35: Distribution Group Membership Update | No | Involves DistributionGroup and Contact entities

FR-36: Retention Period Definition | No | Involves ArchivePolicy entity

FR-37: Retention Period Modification | No | Involves ArchivePolicy entity

FR-38: Retention Period Deletion | No | Involves ArchivePolicy entity

FR-39: Archive Policy Execution | No | Involves ArchivePolicy and EmailAccount entities

FR-30/32: Email Flow Assignment | No | Involves EmailAccount and EmailFlow entities

Summary Statistics

- Total data entities in document: 8

- Functional requirements after merging: 37

- Hallucination requirements: 1 (FR-29)

- Non-hallucination requirements: 36

Final Summary

The document involves 8 data entities. After functional point merging, there are 37 requirements in total, including 1 hallucination requirement (FR-29) and 36 non-hallucination requirements. All valid entities are properly connected in the entity-relationship graph through core entities (Email and EmailAccount).

Key Notes:

1. Merged similar operations on Email recovery and Email flow assignment

2. FR-29 identified as hallucination due to isolated undefined entity

3. Evaluation strictly followed entity connectivity rules