LLM Automated Evaluation Results

Data Entity Statistics

Based on the functional requirements document, the system needs to manage the following data entities:

- Email (including drafts and archived emails)

- Contact

- Distribution Group

- Schedule (including reminder tasks)

- Archiving Policy

- Backup Log

- Mailbox Account

- User Permissions

- Archived Email

- Expired Email

- Email Folder

- Email Status

Total Data Entities: 12.

Functional Requirements Merged Statistics

Original functional requirements: 30

After merging similar functionalities:

- Merged Examples:

- FR-19 (Manage Mailbox Account) merged with FR-20 and FR-30

- FR-27, FR-28, FR-29 merged into "Admin Permission Management"

- Total Merged Functional Requirements: 26.

Hallucination Requirements Evaluation

Evaluation Criteria: Requirements introducing data entities not connected to existing system entities.

Evaluation Results:

All 26 requirements involve at least one of the existing 12 data entities, maintaining weak connectivity in E-R diagram. No isolated entities introduced.

Total Hallucination Requirements: 0.

Total Non-Hallucination Requirements: 26.

Complete Evaluation Table (Functional Requirement | Hallucination | Judgement Reason)

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FR-01: Send Email | No | Involves Email entity, connected to core system.

FR-02: Receive Email | No | Involves Email entity, connected via inbox.

FR-03: Format Email Draft | No | Involves Email entity (draft subset).

FR-04: Search Emails | No | Involves Email entity, searchable in system.

FR-05: Organize Email Folders | No | Involves Email and Folder entities.

FR-06: Add Contact | No | Involves Contact entity, connected to groups.

FR-07: Manage Contacts | No | Involves Contact entity (CRUD operations).

FR-08: Create Distribution Group | No | Involves Distribution Group entity.

FR-09: Edit Distribution Group | No | Involves Distribution Group entity.

FR-10: Delete Distribution Group | No | Involves Distribution Group entity.

FR-11: Set Reminder Task | No | Involves Schedule entity, connected.

FR-12: Manage Schedule | No | Involves Schedule entity (edit/delete).

FR-13: Add Archiving Policy | No | Involves Archiving Policy entity.

FR-14: Edit Archiving Policy | No | Involves Archiving Policy entity.

FR-15: Apply Archiving Policy | No | Connects Policy to Email/Schedule.

FR-16: Query Archived Emails | No | Involves Email entity (archived).

FR-17: Delete Expired Emails | No | Involves Email entity (expired).

FR-18: Create Mailbox Account | No | Involves Mailbox Account entity.

FR-19: Manage Mailbox Account | No | Involves Mailbox Account (merged).

FR-21: Add Backup Log | No | Involves Backup Log entity.

FR-22: Query Backup Log | No | Involves Backup Log entity.

FR-23: Restore Email Data | No | Involves Email entity restoration.

FR-24: Restore Schedule Data | No | Involves Schedule entity restoration.

FR-25: Restore Contact Data | No | Involves Contact entity restoration.

FR-26: Record Recovery Log | No | Involves Backup Log entity.

Admin Permission Management | No | Involves User Permissions entity.

Summary

- Total Data Entities: 12.

- Total Functional Requirements After Merging: 26.

- Total Hallucination Requirements: 0.

- Total Non-Hallucination Requirements: 26.