LLM Automated Evaluation Results

Functional Requirements Evaluation Report

Data Entity Identification Results

Extracted data entities from functional requirements (total 9):

- Customer (involves FR-01, FR-09)

- Product (involves FR-02, FR-03, FR-04, FR-08)

- Order (involves FR-03, FR-04, FR-05, FR-07)

- OrderItem (involves FR-03, FR-07)

- Payment (involves FR-05)

- Cart (involves FR-06)

- ProductReview (involves FR-08)

- Address (involves FR-09)

- Admin (involves FR-10)

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: 10 (same as original document)

Functional Requirements Evaluation Details

Functional Requirement | Hallucination | Judgment Reason

FR-01: Customer Management | No | Involves Customer entity connected to system core

FR-02: Product Catalog Management | No | Involves Product entity connected to Order/Review

FR-03: Order Placement | No | Involves Order/OrderItem/Product entities

FR-04: Order Cancellation | No | Involves Order/Product entities

FR-05: Payment Processing | No | Involves Order/Payment entities

FR-06: Shopping Cart Management | No | Involves Cart entity connected to Product/Customer

FR-07: Order History Viewing | No | Involves Order/OrderItem/Payment entities

FR-08: Product Review Management | No | Involves ProductReview entity connected to Product/Customer

FR-09: Address Management | No | Involves Address entity connected to Customer

FR-10: Admin Permission Management | Yes | Admin entity not connected to core business entities

Summary Statistics

- Total data entities in document: 9

- Functional requirements after merging: 10

- Hallucination requirements: 1 (FR-10)

- Non-hallucination requirements: 9

Final Summary

The document involves 9 data entities. After functional point merging, there are 10 requirements in total, including 1 hallucination requirement (FR-10) and 9 non-hallucination requirements. All valid entities are properly connected in the entity-relationship graph through core entities (Customer and Product).

Key Notes:

1. No merging performed as all requirements target distinct operations

2. FR-10 identified as hallucination due to isolated Admin entity

3. Evaluation strictly followed entity connectivity rules