LLM Automated Evaluation Results

Functional Requirements Evaluation Report

Data Entity Identification Results

Extracted data entities from functional requirements (total 8):

- Product (involves FR-01 to FR-04)

- Customer (involves FR-05 to FR-07)

- Order (involves FR-08 to FR-10)

- Payment (involves FR-11, FR-12, FR-15)

- PaymentMethod (involves FR-13)

- ProductCategory (involves FR-14)

- Store (involves FR-16)

- Administrator (involves FR-17)

Functional Requirements Merging Results

Applied merging rules:

- Merged FR-02 and FR-04 into "Manage Product Function"

- No other merging performed

- No system-wide setting requirements removed

- Final functional requirement count: 16 (original 17 merged to 16)

Functional Requirements Evaluation Details

Functional Requirement | Hallucination | Judgment Reason

FR-01: Add Product Function | No | Involves Product entity connected to system core

FR-02/04: Manage Product Function | No | Involves Product entity

FR-03: View Product Details Function | No | Involves Product entity

FR-05: Register Customer Function | No | Involves Customer entity connected to system

FR-06: View Customer Information Function | No | Involves Customer entity

FR-07: Manage Customer Account Function | No | Involves Customer entity

FR-08: Place Order Function | No | Involves Order entity connected to Product/Customer

FR-09: View Order Status Function | No | Involves Order entity

FR-10: Cancel Order Function | No | Involves Order entity connected to Product

FR-11: Process Payment Function | No | Involves Payment entity connected to Order

FR-12: View Payment Information Function | No | Involves Payment entity

FR-13: Manage Payment Method Function | No | Involves PaymentMethod entity

FR-14: Manage Product Category Function | No | Involves ProductCategory entity connected to Product

FR-15: Manage Payment Function | No | Involves Payment entity

FR-16: Manage Store Function | No | Involves Store entity

FR-17: Manage Administrator Account Function | No | Involves Administrator entity

Summary Statistics

- Total data entities in document: 8

- Functional requirements after merging: 16

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

- Non-hallucination requirements: 16

Final Summary

The document involves 8 data entities. After functional point merging, there are 16 requirements in total, including 0 hallucination requirements and 16 non-hallucination requirements. All entities are properly connected in the entity-relationship graph through core entities (Product and Customer).

Key Notes:

1. Merged FR-02 and FR-04 as similar product management operations

2. No isolated entities found in the requirement set

3. Evaluation strictly followed entity connectivity rules