LLM Automated Evaluation Results

Functional Requirements Evaluation Report

Data Entity Identification Results

Extracted data entities from functional requirements (total 9):

- Product (involves FR-01, FR-02, FR-14)

- Order (involves FR-03 to FR-06)

- OrderItem (involves FR-06)

- Customer (involves FR-07, FR-08)

- Payment (involves FR-09, FR-10, FR-15)

- Notification (involves FR-11, FR-12)

- Plugin (involves FR-13)

- ProductCategory (involves FR-14)

- PaymentMethod (involves FR-15)

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: 15 (same as original document)

Functional Requirements Evaluation Details

Functional Requirement | Hallucination | Judgment Reason

FR-01: Product Management | No | Involves Product and ProductCategory entities

FR-02: Product Viewing | No | Involves Product entity

FR-03: Order Management | No | Involves Order and OrderItem entities

FR-04: Order Viewing | No | Involves Order entity

FR-05: Order Status Update | No | Involves Order entity

FR-06: Order Item Management | No | Involves OrderItem entity connected to Order

FR-07: Customer Management | No | Involves Customer entity

FR-08: Customer Viewing | No | Involves Customer entity

FR-09: Payment Processing | No | Involves Payment entity connected to Order

FR-10: Payment Viewing | No | Involves Payment entity

FR-11: Notification Management | No | Involves Notification entity connected to Customer/Admin

FR-12: Notification Viewing | No | Involves Notification entity

FR-13: Plugin Management | Yes | Plugin entity not connected to core system entities

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

FR-15: Payment Method Management | No | Involves PaymentMethod entity connected to Payment

Summary Statistics

- Total data entities in document: 9

- Functional requirements after merging: 15

- Hallucination requirements: 1 (FR-13)

- Non-hallucination requirements: 14

Final Summary

The document involves 9 data entities. After functional point merging, there are 15 requirements in total, including 1 hallucination requirement (FR-13) and 14 non-hallucination requirements. All valid entities are properly connected in the entity-relationship graph through core entities (Product and Order).

Key Notes:

1. No merging performed as all requirements target distinct operations

2. FR-13 identified as hallucination due to isolated Plugin entity

3. Evaluation strictly followed entity connectivity rules