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-02)

- Product (involves FR-03, FR-12)

- Inventory (involves FR-11)

- Category (involves FR-13, FR-14, FR-15)

- Cart (involves FR-04, FR-05, FR-06)

- CartItem (involves FR-04, FR-05, FR-06)

- Order (involves FR-07, FR-08, FR-09)

- OrderDetail (involves FR-19)

- Plugin (involves FR-16, FR-17)

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: 19 (same as original document)

Functional Requirements Evaluation Details

Functional Requirement | Hallucination | Judgment Reason

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

FR-02: Customer login | No | Involves Customer entity

FR-03: View product details | No | Involves Product entity

FR-04: Add to cart | No | Involves Cart and CartItem entities

FR-05: Update cart | No | Involves CartItem entity

FR-06: Remove cart item | No | Involves CartItem entity

FR-07: Checkout | No | Involves Order entity

FR-08: Confirm order | No | Involves Order entity

FR-09: Send order confirmation | No | Involves Order entity

FR-10: Admin login | No | Involves Customer entity (admin role)

FR-11: Manage inventory | No | Involves Inventory entity connected to Product

FR-12: Update product info | No | Involves Product entity

FR-13: Manage categories | No | Involves Category entity connected to Product

FR-14: Create category | No | Involves Category entity

FR-15: Delete category | No | Involves Category entity

FR-16: Install plugin | No | Involves Plugin entity

FR-17: Configure plugin | No | Involves Plugin entity

FR-18: View payment info | No | Payment info embedded in Order entity

FR-19: Update order details | No | Involves OrderDetail entity connected to Order

Summary Statistics

- Total data entities in document: 9

- Functional requirements after merging: 19

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

- Non-hallucination requirements: 19

Final Summary

The document involves 9 data entities. After functional point merging, there are 19 requirements in total, including 0 hallucination requirements and 19 non-hallucination requirements. All entities are properly connected in the entity-relationship graph through core entities (Customer and Product).

Key Notes:

1. Payment-related operations (FR-07/08/18) use embedded payment info in Order entity

2. Plugin operations (FR-16/17) involve Plugin entity with defined relationships

3. No isolated entities found in the requirement set