LLM Automated Evaluation Results

Functional Requirements Evaluation Report

Data Entity Identification Results

Extracted data entities from functional requirements (total 10):

- Product (involves FR-01 to FR-05, FR-26)

- Customer (involves FR-06 to FR-08)

- Order (involves FR-09 to FR-13)

- Payment (involves FR-14 to FR-17, FR-27)

- EmailTemplate (involves FR-18, FR-19)

- Plugin (involves FR-21 to FR-25)

- ProductCategory (involves FR-26)

- PaymentMethod (involves FR-27)

- OrderStatus (involves FR-13)

- Email (involves FR-18)

Functional Requirements Merging Results

Applied merging rules:

- Removed FR-20 (Email Settings Management) and FR-28 (Administrator Login) as system-wide settings

- No other merging performed

- Final functional requirement count: 26 (original 28 minus 2 removed)

Functional Requirements Evaluation Details

Functional Requirement | Hallucination | Judgment Reason

FR-01: Product Creation | No | Involves Product entity connected to ProductCategory

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

FR-03: Product Deletion | No | Involves Product entity

FR-04: Product Inventory Management | No | Involves Product entity

FR-05: Product Detail Viewing | No | Involves Product entity

FR-06: Customer Registration | No | Involves Customer entity connected to Order

FR-07: Customer Profile Viewing | No | Involves Customer entity

FR-08: Customer Information Update | No | Involves Customer entity

FR-09: Order Placement | No | Involves Order and Payment entities connected to Customer/Product

FR-10: Order Cancellation | No | Involves Order entity connected to Payment/Product

FR-11: Order Tracking | No | Involves Order entity connected to OrderStatus

FR-12: Order History Management | No | Involves Order entity

FR-13: Order Status Management | No | Involves OrderStatus entity connected to Order

FR-14: Payment Processing | No | Involves Payment entity connected to Order/PaymentMethod

FR-15: Payment Verification | No | Involves Payment entity

FR-16: Payment Refund | No | Involves Payment entity connected to Order

FR-17: Payment Detail Viewing | No | Involves Payment entity

FR-18: Email Notification | No | Involves Email entity connected to Order/Customer

FR-19: Email Template Management | No | Involves EmailTemplate entity connected to Email

FR-21: Plugin Installation | No | Involves Plugin entity connected to system modules

FR-22: Plugin Update | No | Involves Plugin entity

FR-23: Plugin Uninstallation | No | Involves Plugin entity

FR-24: Plugin Configuration | No | Involves Plugin entity

FR-25: Plugin Information Viewing | No | Involves Plugin entity

FR-26: Product Category Management | No | Involves ProductCategory entity connected to Product

FR-27: Payment Method Management | No | Involves PaymentMethod entity connected to Payment

Summary Statistics

- Total data entities in document: 10

- Functional requirements after merging: 26

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

- Non-hallucination requirements: 26

Final Summary

The document involves 10 data entities. After functional point merging, there are 26 requirements in total, including 0 hallucination requirements and 26 non-hallucination requirements. All entities are properly connected in the entity-relationship graph through core entities (Product and Order).

Key Notes:

1. Removed FR-20 and FR-28 as system-wide settings

2. No other merging performed as all requirements target distinct operations

3. No isolated entities found in the requirement set

4. Evaluation strictly followed entity connectivity rules