LLM Automated Evaluation Results

Functional Requirements Evaluation Report

Data Entity Identification Results

Extracted data entities from functional requirements (total 8):

- Customer (involves FR-01, FR-02, FR-03, FR-20)

- Product (involves FR-04, FR-05, FR-06, FR-16, FR-17, FR-21)

- Shopping Cart (involves FR-06, FR-07, FR-08, FR-09, FR-10)

- Order (involves FR-10, FR-11, FR-12, FR-22)

- Inventory (involves FR-06, FR-07, FR-08, FR-10, FR-11, FR-15)

- Payment (involves FR-10, FR-11, FR-23)

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

- Administrator (involves FR-13, FR-14, FR-24)

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: 24 (same as original document)

Functional Requirements Evaluation Details

Functional Requirement | Hallucination | Judgment Reason

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

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

FR-03: Customer Logout | No | Involves Customer entity

FR-04: Product Detail View | No | Involves Product entity

FR-05: Product Search | No | Involves Product entity

FR-06: Add Product to Shopping Cart | No | Involves Shopping Cart, Product and Inventory entities

FR-07: Update Shopping Cart | No | Involves Shopping Cart and Inventory entities

FR-08: Remove Product from Shopping Cart | No | Involves Shopping Cart and Inventory entities

FR-09: View Shopping Cart Summary | No | Involves Shopping Cart entity

FR-10: Checkout | No | Involves Shopping Cart, Order and Payment entities

FR-11: Order Confirmation | No | Involves Order, Payment and Inventory entities

FR-12: Order Confirmation Email | No | Involves Order entity

FR-13: Administrator Login | No | Involves Administrator entity

FR-14: Administrator Logout | No | Involves Administrator entity

FR-15: Inventory Management | No | Involves Inventory entity

FR-16: Product Information Update | No | Involves Product entity

FR-17: Product Categorization | No | Involves Product entity

FR-18: Plugin Development | No | Involves Plugin entity

FR-19: Plugin Configuration | No | Involves Plugin entity

FR-20: Customer Management | No | Involves Customer entity

FR-21: Product Management | No | Involves Product entity

FR-22: Order Management | No | Involves Order entity

FR-23: Payment Management | No | Involves Payment entity

FR-24: Administrator Management | No | Involves Administrator entity

Summary Statistics

- Total data entities in document: 8

- Functional requirements after merging: 24

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

- Non-hallucination requirements: 24

Final Summary

The document involves 8 data entities. After functional point merging, there are 24 requirements in total, including 0 hallucination requirements and 24 non-hallucination requirements. All entities are properly connected in the entity-relationship graph through core entities (Customer and Product).

Key Notes:

1. All functional requirements maintain independent operations targeting specific entities

2. No isolated entities found in the requirement set

3. Evaluation strictly followed user-defined rules for entity extraction and requirement analysis