LLM Automated Evaluation Results

Functional Requirements Evaluation Report

Data Entity Identification Results

Extracted data entities from functional requirements (total 10):

- Account (involves FR-01, FR-02/03, FR-15)

- Product (involves FR-04, FR-11, FR-12)

- Cart (involves FR-05)

- CartItem (involves FR-06)

- Order (involves FR-07, FR-10)

- OrderItem (involves FR-08)

- Payment (involves FR-09)

- Inventory (involves FR-11)

- Category (involves FR-12)

- Plugin (involves FR-14)

- EmailConfirmation (involves FR-10)

- PurchaseHistory (involves FR-13)

Functional Requirements Merging Results

Applied merging rules:

- Merged FR-02 and FR-03 into "Account Login/Logout Function"

- No other merging performed

- No system-wide setting requirements removed

- Final functional requirement count: 14 (original 15 merged to 14)

Functional Requirements Evaluation Details

Functional Requirement | Hallucination | Judgment Reason

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

FR-02/03: Account Login/Logout Function | No | Involves Account entity

FR-04: Product Viewing Function | No | Involves Product entity connected to Inventory/Category

FR-05: ShoppingCart Creation/Modification | No | Involves Cart entity connected to Account

FR-06: CartItem Management | No | Involves CartItem entity connected to Cart

FR-07: Order Placement | No | Involves Order entity connected to Account/Payment

FR-08: OrderItem Management | No | Involves OrderItem entity connected to Order

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

FR-10: Order Confirmation and Email Notification | No | Involves Order and EmailConfirmation entities

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

FR-12: Product Categorization | No | Involves Product and Category entities

FR-13: Purchase History Retrieval | No | Involves PurchaseHistory entity connected to Account

FR-14: Plugin Development and Management | No | Involves Plugin entity connected to Admin

FR-15: User Account Management | No | Involves Account entity

Summary Statistics

- Total data entities in document: 12

- Functional requirements after merging: 14

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

- Non-hallucination requirements: 14

Final Summary

The document involves 12 data entities. After functional point merging, there are 14 requirements in total, including 0 hallucination requirements and 14 non-hallucination requirements. All entities are properly connected in the entity-relationship graph through core entities (Account and Product).

Key Notes:

1. Merged FR-02 and FR-03 as they both manage Account state

2. No isolated entities found in the requirement set

3. Evaluation strictly followed entity connectivity rules