LLM Automated Evaluation Results

Functional Requirements Evaluation Report

Data Entity Identification Results

Extracted data entities from functional requirements (total 8):

- Customer (involves FR-01 to FR-03, FR-19)

- Administrator (involves FR-17 to FR-18)

- Product (involves FR-04 to FR-05, FR-13)

- Cart (involves FR-22)

- Order (involves FR-07 to FR-12, FR-20, FR-31)

- Payment (involves FR-21, FR-24)

- Plugin (involves FR-26 to FR-30)

- Account (involves FR-01, FR-17)

Functional Requirements Merging Results

Applied merging rules:

- Merged FR-06 into FR-22 (Manage Cart)

- Merged FR-10 and FR-23 into Manage Order Status

- Merged FR-14/15/16 into FR-13 (Manage Product Inventory)

- Removed FR-25 (system-wide setting)

- Final functional requirement count: 25 (original 31 merged to 25)

Functional Requirements Evaluation Details

Functional Requirement | Hallucination | Judgment Reason

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

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

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

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

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

FR-07: Create Order | No | Involves Order entity connected to Customer/Product

FR-08: Checkout | No | Involves Order entity

FR-09: Receive Order Confirmation Email | No | Involves Order entity connected to Email

FR-11: View Order History | No | Involves Order entity

FR-12: Delete Order | No | Involves Order entity

FR-17: Administrator Registration | No | Involves Administrator entity connected to system

FR-18: Administrator Login | No | Involves Administrator entity

FR-19: Manage Customer Accounts | No | Involves Customer entity

FR-20: Manage Orders | No | Involves Order entity

FR-21: View Payment Information | No | Involves Payment entity connected to Order

FR-22: Manage Cart | No | Involves Cart entity connected to Product

FR-10/23: Manage Order Status | No | Involves Order entity

FR-13: Manage Product Inventory | No | Involves Product entity

FR-24: Manage Payment Method | No | Involves Payment entity

FR-26: Add Plugin | No | Involves Plugin entity

FR-27: Update Plugin | No | Involves Plugin entity

FR-28: Delete Plugin | No | Involves Plugin entity

FR-29: View Plugin Documentation | No | Involves Plugin entity

FR-30: Access API Specifications | No | Involves Plugin entity

FR-31: View Order Status | No | Involves Order entity

Summary Statistics

- Total data entities in document: 8

- Functional requirements after merging: 25

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

- Non-hallucination requirements: 25

Final Summary

The document involves 8 data entities. After functional point merging, there are 25 requirements in total, including 0 hallucination requirements and 25 non-hallucination requirements. All entities are properly connected in the entity-relationship graph through core entities (Customer and Product).

Key Notes:

1. Merged similar operations on Cart, Order Status and Product Inventory

2. Removed FR-25 as system-wide setting requirement

3. No isolated entities found in the requirement set

4. Evaluation strictly followed entity connectivity rules