LLM Automated Evaluation Results

Functional Requirements Evaluation Report

Data Entity Identification Results

Extracted data entities from functional requirements (total 9):

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

- Customer (involves FR-06, FR-07, FR-22)

- Order (involves FR-09, FR-10, FR-23)

- Payment (involves FR-12, FR-13, FR-24)

- Plugin (involves FR-16 to FR-19)

- Administrator (involves FR-20, FR-21, FR-28)

- ProductCategory (involves FR-25)

- EmailTemplate (involves FR-26)

- PaymentMethod (involves FR-27)

Functional Requirements Merging Results

Applied merging rules:

- Merged FR-01 to FR-05 into "Product Management"

- Merged FR-11 and FR-15 into "Send Order Confirmation Email"

- Merged FR-16 to FR-19 into "Plugin Management"

- No system-wide setting requirements removed

- Final functional requirement count: 20 (original 28 merged to 20)

Functional Requirements Evaluation Details

Functional Requirement | Hallucination | Judgment Reason

Product Management | No | Involves Product entity connected to system core

Customer Registration | No | Involves Customer entity connected to Order

Customer Login | No | Involves Customer entity

View Product Catalog | No | Involves Product entity

Place Order | No | Involves Order and Product entities

View Order History | No | Involves Order entity

Send Order Confirmation Email | No | Involves Order and Customer entities

Payment Processing | No | Involves Payment entity connected to Order

Payment Verification | No | Involves Payment entity

Email Notification Configuration | No | Involves EmailTemplate entity

Plugin Management | No | Involves Plugin entity connected to system

Administrator Login | No | Involves Administrator entity

Administrator Dashboard Access | No | Involves Administrator entity

Manage Customers | No | Involves Customer entity

Manage Orders | No | Involves Order entity

Manage Payments | No | Involves Payment entity

Manage Product Category | No | Involves ProductCategory entity connected to Product

Manage Email Template | No | Involves EmailTemplate entity

Manage Payment Method | No | Involves PaymentMethod entity connected to Payment

Manage Administrators | No | Involves Administrator entity

Summary Statistics

- Total data entities in document: 9

- Functional requirements after merging: 20

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

- Non-hallucination requirements: 20

Final Summary

The document involves 9 data entities. After functional point merging, there are 20 requirements in total, including 0 hallucination requirements and 20 non-hallucination requirements. All entities are properly connected in the entity-relationship graph through core entities (Product and Order).

Key Notes:

1. Merged similar operations on Product, Order and Plugin entities

2. No isolated entities found in the requirement set

3. Evaluation strictly followed entity connectivity rules