LLM Automated Evaluation Results

Functional Requirements Evaluation Report

Data Entity Identification Results

Extracted data entities from functional requirements (total 9):

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

- Session (involves FR-02, FR-03, FR-09, FR-10, FR-23)

- Product (involves FR-04 to FR-06, FR-12 to FR-14)

- Inventory (involves FR-06, FR-11)

- Order (involves FR-07 to FR-08/30, FR-19, FR-20)

- Payment (involves FR-21, FR-22)

- Category (involves FR-05, FR-15)

- Plugin (involves FR-24 to FR-28)

- EmailTemplate (involves FR-08/30, FR-29)

Functional Requirements Merging Results

Applied merging rules:

- Merged FR-08 and FR-30 into "Send Order Confirmation Email"

- Merged FR-16, FR-17, FR-18 into FR-15 "Manage Product Categories"

- No system-wide setting requirements removed

- Final functional requirement count: 26 (original 30 merged to 26)

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 and Session entities

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

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

FR-05: Search Products by Category | No | Involves Product and Category entities

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

FR-07: Checkout | No | Involves Order and Payment entities

FR-08/30: Send Order Confirmation Email | No | Involves Order and EmailTemplate entities

FR-09: Administrator Login | No | Involves Session entity

FR-10: Administrator Logout | No | Involves Session entity

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

FR-12: Add Product | No | Involves Product entity

FR-13: Update Product | No | Involves Product entity

FR-14: Delete Product | No | Involves Product entity connected to Inventory/Category

FR-15: Manage Product Categories | No | Involves Category entity connected to Product

FR-19: View Order Details | No | Involves Order entity

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

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

FR-22: Manage Payment Information | No | Involves Payment entity

FR-23: Manage Sessions | No | Involves Session entity

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

FR-25: Uninstall Plugin | No | Involves Plugin entity

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

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

FR-28: View Plugin Documentation | No | Involves Plugin entity

FR-29: Manage Email Templates | No | Involves EmailTemplate entity

Summary Statistics

- Total data entities in document: 9

- Functional requirements after merging: 26

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

- Non-hallucination requirements: 26

Final Summary

The document involves 9 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 (Customer and Product).

Key Notes:

1. Merged similar operations on Order Confirmation Email and Product Categories

2. No isolated entities found in the requirement set

3. Evaluation strictly followed entity connectivity rules