LLM Automated Evaluation Results

**Functional Requirements Evaluation Table**

Functional Requirement | Hallucinated | Evaluation Reason  
User Registration and Login | No | The User entity is clearly defined, with complete input and output specifications.  
Browse Restaurants and Dishes | No | Relies on external map API, which is already defined in the interface; input-to-output path is complete.  
Shopping Cart Management | No | Dish entity is associated with the order system; add/delete/update actions correspond to cart status changes.  
Order Submission | No | Input includes dishes and address, output is order confirmation; the conversion logic is clear.  
Real-time Order Tracking | No | Order ID triggers status query; output is a status enumeration.  
Payment Function | No | Payment methods are clearly defined; payment gateway API is specified; success message can be triggered.  
User Review | No | Review data is associated with the order; input includes rating and comment, output is review record.  
Restaurant Management | No | Dishes, inventory, and orders are linked to admin operations; feedback mechanism is well-defined.  
Recommendation System | Yes | The structure for historical order data is undefined, recommendation criteria are not quantified, resulting in an isolated node.  
Coupons and Promotions | No | Coupon entity is associated with the order; selecting a coupon results in a discount calculation.  
User Feedback | No | Feedback entity is linked to the system via the user; input is feedback content, output is submission confirmation.  
Self-Service Order Cancellation | No | Order status transition rules are defined; refund logic produces expected output.  
Delivery Personnel Management | No | Delivery personnel entity is associated with order status; actions like order acceptance and delivery trigger feedback.

**Evaluation Summary**

* **Data Entity Statistics**: 9 core data entities identified (User, Restaurant, Dish, Cart, Order, Payment, Review, Coupon, Delivery Personnel)
* **Requirement Consolidation Result**: All 13 original requirements are distinct (no operations on the same entity were merged); 0 general system-level requirements were excluded; total of 13 functional requirements
* **Hallucinated Requirements**: 1 (Recommendation System)
* **Non-Hallucinated Requirements**: 12

**Key Issue Explanation**:

1. **Recommendation System (Hallucinated + Incomplete + Untestable)**:
   * Hallucinated: Relies on an undefined "historical order data" structure, resulting in no linkage in the E-R diagram
2. **Compliance of Other Requirements**:
   * External interfaces (e.g., map API, payment gateway) are defined in the document and are not considered undefined
   * User-interaction requirements (e.g., cart management) are testable through simulated user operations