LLM Automated Evaluation Results

**Functional Requirements Evaluation Table**

The following evaluation is based on the user-provided requirements document. First, functional requirements were merged to ensure consistent granularity (rule: merge identical functional points on the same data entity; exclude general system settings). After merging, the refined list of requirements was evaluated one by one to determine whether each is a hallucinated requirement (definition: a hallucinated requirement involves data entities that cannot be linked to existing entities, causing the E-R diagram to be weakly disconnected). Evaluation is based on document content and strictly follows user instructions (e.g., general system requirements were excluded and not counted).

Functional Requirement | Hallucinated | Evaluation Reason  
User Account Management (merged registration, login, profile update) | No | Involves the User entity, connected to system core; input/output are clearly defined (e.g., name, email input → database storage output).  
View Orders (merged user history view, restaurant view, system view) | No | Involves the Order entity, linked to User and Restaurant; input (login state) and output (order list) are well defined.  
Publish Review (merged user reviews on restaurants or dishes, posting review) | No | Involves Review entity, associated with User and Order; input (login, order details, rating) and output (stored review) are complete.  
Manage Reviews (admin deletes reviews) | No | Involves Review entity, connected to Admin entity; input (admin login, review info) and output (review update) are clearly defined.  
Dish Management (merged add, update, delete dishes) | No | Involves MenuItem entity, linked to Restaurant; input (admin login, dish info) and output (database store/update) are clearly defined.  
Shopping Cart Management (merged add to/remove from cart) | No | Involves ShoppingCart entity, connected to User and MenuItem; input (login state, selected dishes) and output (cart update) are well defined.  
Place Order from Cart | No | Involves ShoppingCart and Order entities; input (delivery address, payment method) and output (order creation, payment trigger) are clear.  
Cancel Order | No | Involves Order entity; input (login state, order) and output (order status update) are clearly defined.  
Order Payment | No | Involves Order and Payment entities; input (payment method, order details) and output (payment status update) are complete.  
Payment Method Settings | No | Involves PaymentMethod entity, linked to User; input (payment info) is defined, but the mechanism for setting default is unclear.  
View Payment History | No | Involves Payment entity; input (login state) and output (payment history list) are well defined.  
User Views Restaurant Info | No | Involves Restaurant entity; input (browsing action) and output (restaurant detail display) are clearly defined.  
Restaurant Processes Orders (accept/reject) | No | Involves Order and Restaurant entities; input (admin login, selected action) and output (order status update, notify user) are complete.  
Admin Management (merged add/administer admins) | No | Involves Admin entity; input (super admin login, admin info) and output (account creation/update) are well defined.

**Summary**

* **The document includes 9 data entities**: User, Order, Review, Restaurant, MenuItem, ShoppingCart, Payment, PaymentMethod, Admin.
* **After merging by functional point, there are 14 functional requirements.**
* **Number of hallucinated requirements: 0** (all requirements involve existing data entities; the E-R diagram maintains weak connectivity, no isolated entities).
* **Number of non-hallucinated requirements: 14** (all are non-hallucinated).

**Evaluation Notes**:

* **Hallucination Judgment**: All requirements are based on core entities in the document (e.g., User, Order), and the entities are connected through relationships (e.g., users place orders, restaurants manage dishes), ensuring weak connectivity in the E-R diagram. No isolated new entities were introduced.
* **Strictness**: After merging, requirements have consistent granularity, and no evaluations were missed.