

*Report on*

# ***Cloud Restaurant***

*Prepared for*

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**Course No: CSE 3224**

**Course Name: Information System Design & Software Engineering Lab**

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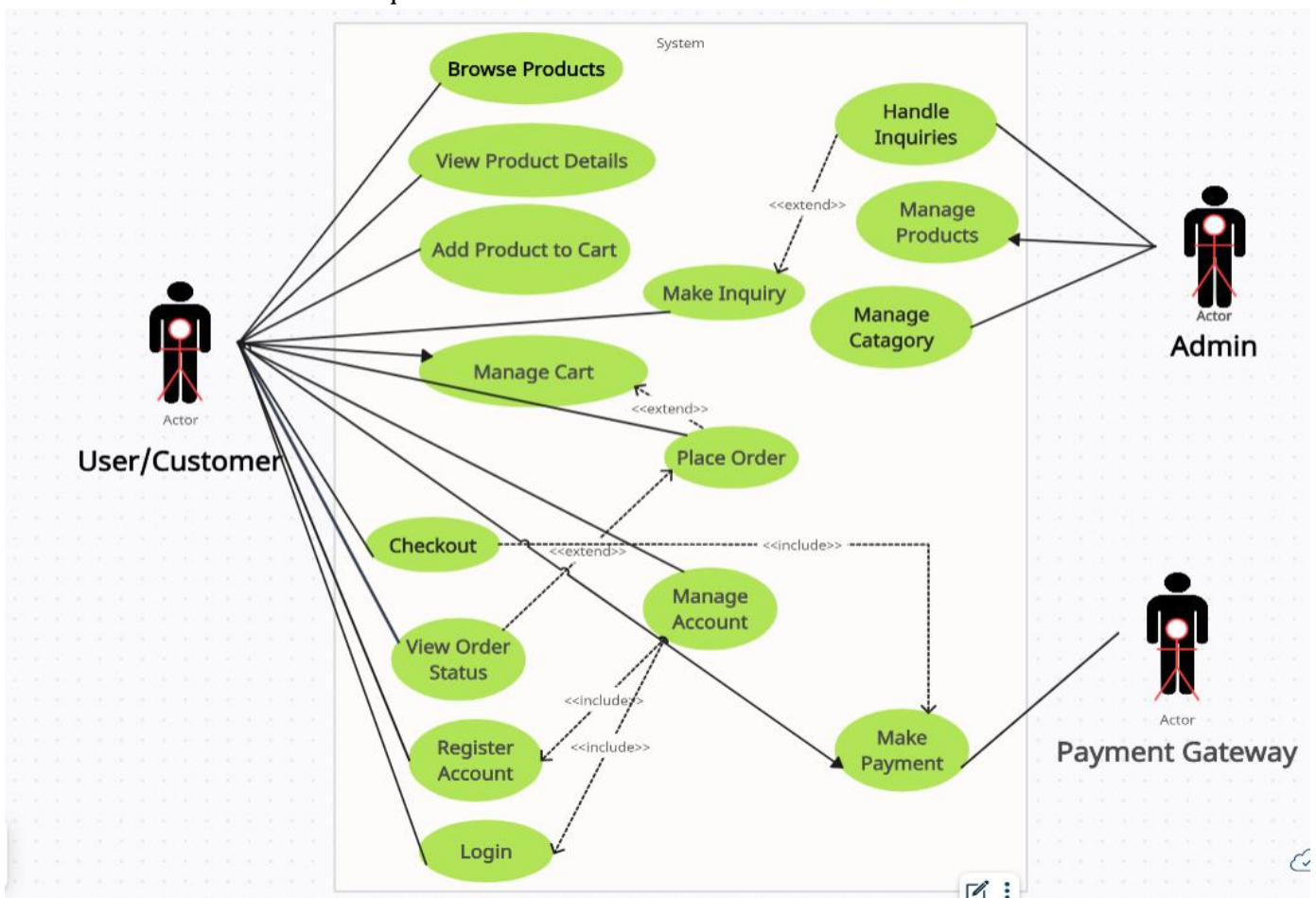
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## Use Case Diagram:

- **Actors:**
  1. **Customer/User:** Interacts with the system for various purposes such as shopping, managing cart, placing orders, making payments, and making inquiries.
  2. **Admin:** Manages categories, products, and handles customer inquiries.
  3. **Payment Gateway:** Processes payment transactions.
- **Use cases:**
  1. Browse Products
  2. View Product Details
  3. Add Product to Cart
  4. Manage Cart
  5. Checkout
  6. Make Payment
  7. Register Account
  8. Login
  9. Manage Account
  10. Place Order
  11. View Order Status
  12. Make Inquiry
  13. Manage Categories
  14. Manage Products
  15. Handle Inquiries



## **Detailed Descriptions of Different Scenarios:**

### **Browse Products:**

- Actors: Customer/User
- Description: The customer browses the menu to view available dishes and their details.
- Priority: High
- Prerequisite: The customer must have access to the restaurant's website.

### **View Product Details:**

- Actors: Customer/User
- Description: The customer views detailed information about a specific product.
- Priority: High
- Prerequisite: The customer must have browsed the products and selected a specific product to view.

### **Add Product to Cart:**

- Actors: Customer/User
- Description: The customer adds a selected product to their shopping cart.
- Priority: High
- Prerequisite: The customer must have viewed the details of the product they wish to add to the cart.

### **Manage Cart:**

- Actors: Customer/User
- Description: The customer reviews and modifies the contents of their shopping cart.
- Priority: High
- Prerequisite: The customer must have added at least one product to the cart.

### **Checkout:**

- Actors: Customer/User
- Description: The customer proceeds to checkout to finalize their order.
- Priority: High
- Prerequisite: The customer must have products in their cart.

### **Make Payment:**

- Actors: Customer/User, Payment Gateway
- Description: The customer completes the payment for their order using the integrated payment gateway.
- Priority: High
- Prerequisite: The customer must have proceeded to checkout and confirmed their order details.

**Register Account:**

- Actors: Customer/User
- Description: The customer registers an account to use the online restaurant services.
- Priority: Medium
- Prerequisite: The customer must have access to the restaurant's website.

**Login:**

- Actors: Customer/User
- Description: The customer logs in to access their account.
- Priority: High
- Prerequisite: The customer must have a registered account.

**Manage Account:**

- Actors: Customer/User
- Description: The customer updates their profile information.
- Priority: Medium
- Prerequisite: The customer must be logged in.

**Place Order:**

- Actors: Customer/User
- Description: The customer places an order after reviewing the cart and making the payment.
- Priority: High
- Prerequisite: The customer must have completed the checkout process and made a payment.

**View Order Status:**

- Actors: Customer/User
- Description: The customer checks the status of their placed order.
- Priority: Medium
- Prerequisite: The customer must have placed an order and be logged in.

**Make Inquiry:**

- Actors: Customer/User
- Description: The customer makes an inquiry regarding products, orders, or other services.
- Priority: Medium
- Prerequisite: The customer must be logged in.

**Manage Categories:**

- Actors: Admin
- Description: The admin manages the categories of products available on the menu.
- Priority: High
- Prerequisite: The admin must be logged in to the admin panel.

**Manage Products:**

- Actors: Admin
- Description: The admin manages the products available on the menu.
- Priority: High
- Prerequisite: The admin must be logged in to the admin panel.

**Handle Inquiries:**

- Actors: Admin
- Description: The admin reviews and responds to customer inquiries.
- Priority: Medium
- Prerequisite: The admin must be logged in to the admin panel.

**Conclusion:**

The detailed use cases for the online restaurant system ensure a comprehensive understanding of the necessary functionalities for both customers and administrators. Key features include product browsing, cart management, account handling, order processing, and inquiry management. Prioritizing these functions and incorporating dependencies (like <<include>> and <<extend>>) clarifies the interactions and flow within the system. This design approach aims to create a seamless and efficient user experience, ultimately ensuring the system's success and user satisfaction.