EXPERIMENT 5

Question:

Draw a UML diagram for ATM System using CASE tool. The banking system allows a customer to access the financial transactions by ATM System, it has a step-by-step process describe the work of this process and elaborate the what are the work can do by customer, banking system, administrator and technicians with the ATM system.

Aim:

To design a **Class Diagram** for an **Online Airline Reservation System** that effectively models the system's structure and interactions. The diagram will represent key entities, their attributes, and the relationships among them to ensure a well-defined and efficient airline booking process.

Procedure:

1. **Receive Customer Order**

    -   The system receives food orders either online or in-store.

2. **Verify Order Details**

    -   Check the items, quantity, and price of the order.

3. **Check Item Availability in Inventory**

    -   Ensure ordered items are available in stock.

4. **Decision: Item Availability**

    -   If available, proceed to the kitchen for preparation.

    -   If unavailable, notify the customer and suggest alternatives.

5. **Customer Decision on Alternatives**

    -   If the customer accepts the alternatives, proceed to the kitchen.

    -   If the customer rejects them, cancel the order.

6. **Food Preparation**

    -   The kitchen prepares the ordered food, including cooking and packaging.

7. **Quality Check & Order Confirmation**

    -   Verify the quality before confirming the order.

8. **Notify Customer**

- Inform the customer when the order is ready for pickup or delivery.

9. **Customer Receives Order**

- Handover the order to the customer.

10. **Collect Payment**

- Accept payment via cash, card, or online transaction.

11. **Store Payment Details**

- Maintain a record of payment details for future reference.

12. **Order Raw Materials (If Stock is Low)**

- If inventory is low, place an order for raw materials.

13. **Pay for Raw Materials & Ingredients**

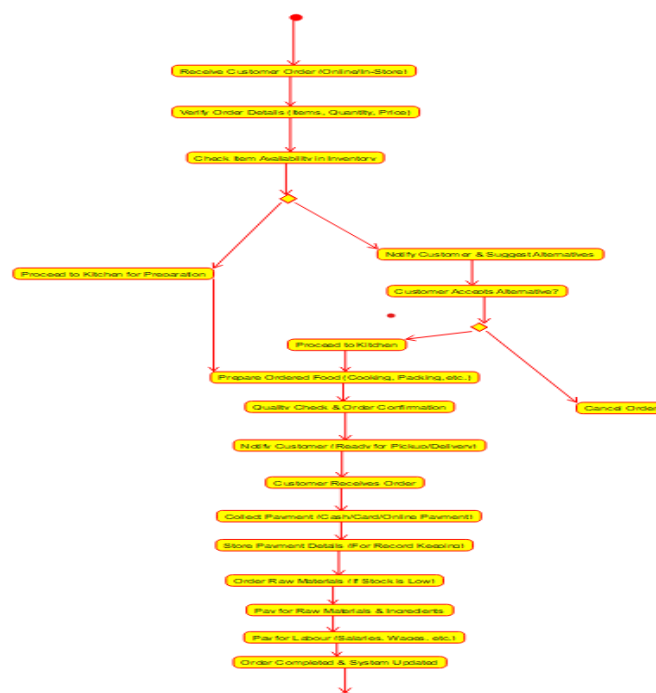- Process payment for purchased materials.

14. **Pay for Labour (Salaries, Wages, etc.)**

- Handle employee salary and other labor costs.

15. **Order Completion & System Update**

- Mark the order as complete and update the system.

Output:Activity Diagram

Result

The Activity Diagram for the Food Ordering System illustrates the step-by-step flow of processes, from receiving customer orders to completing payments and updating inventory. It visually represents key activities such as verifying order details, preparing food, notifying customers, and managing supplier and labor payments.