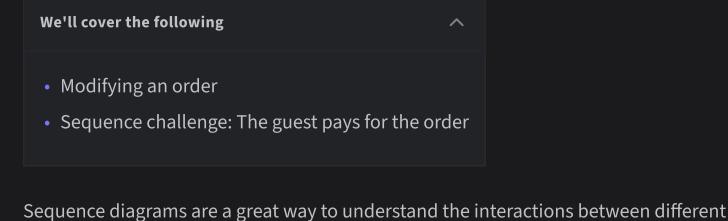
## Sequence Diagram for the Restaurant Management System Create a sequence diagram for order modification in the restaurant management system and s

Create a sequence diagram for order modification in the restaurant management system and solve a challenge.



entities and objects in the system. There can be different sequence diagrams that we can create for our restaurant management system. In this lesson, we will create sequence diagrams for the following two interactions:

• Modifying an order

- Modifying an
- Modifying an order

• **Sequence challenge:** The guest pays for the order.

## The sequence diagram for modifying an order should have the following actors and objects that will interact with each other:

Actor: WaiterObjects: Order, Kitchen, and bill

- Note: Let us a
- **Note:** Let us assume that the meal is not yet prepared.

Here're the steps in the order modification interaction:

1. The waiter initiates the process by adding a meal item to the order.

2. The order is then updated. The updated order is sent to the kitchen for

preparation.

3. The order is started to be prepared in the kitchen.

restaurant management system is given below:

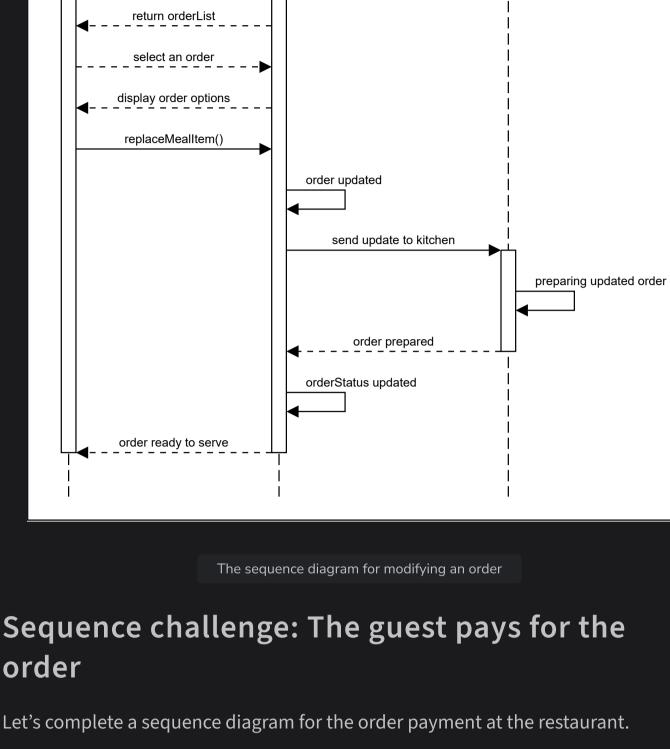
- 4. Simultaneously, the waiter updates the bill, as per the modified order.5. After that, bill is updated.
- 6. The kitchen sends a message about the order indicating that it is prepared.7. The order status is updated to "prepared."
- 8. The waiter serves the order.
- sd modify order

Order

Based on the order above, the sequence diagram of modifying an order in a

fetchOrderList()

Kitchen



## 

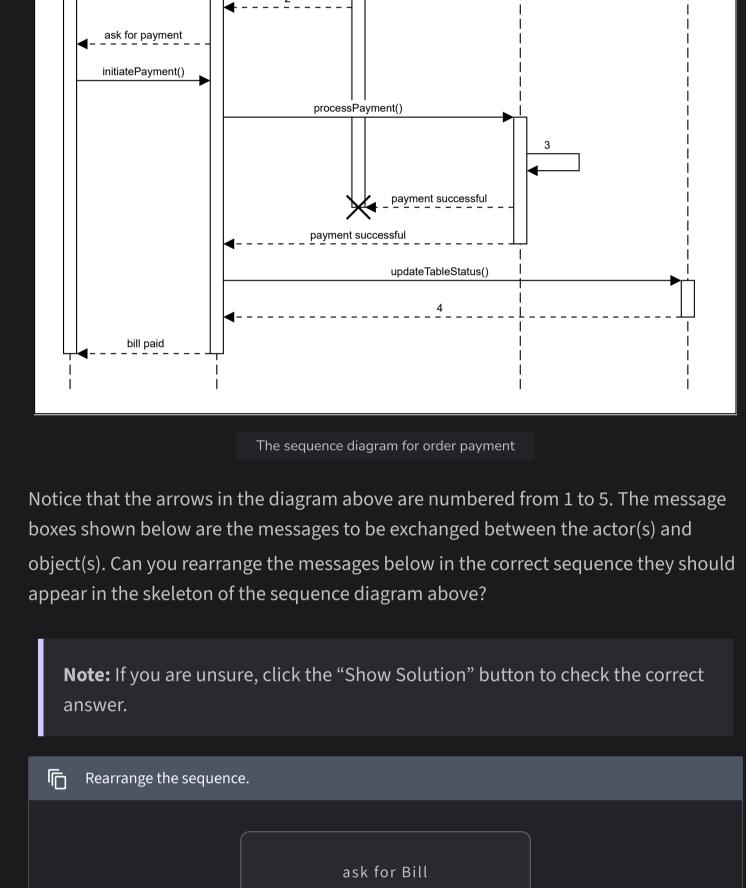
below:

sd order payment

Bill

A skeleton of the sequence diagram, given that the payment is successful, is provided

Table



bill()

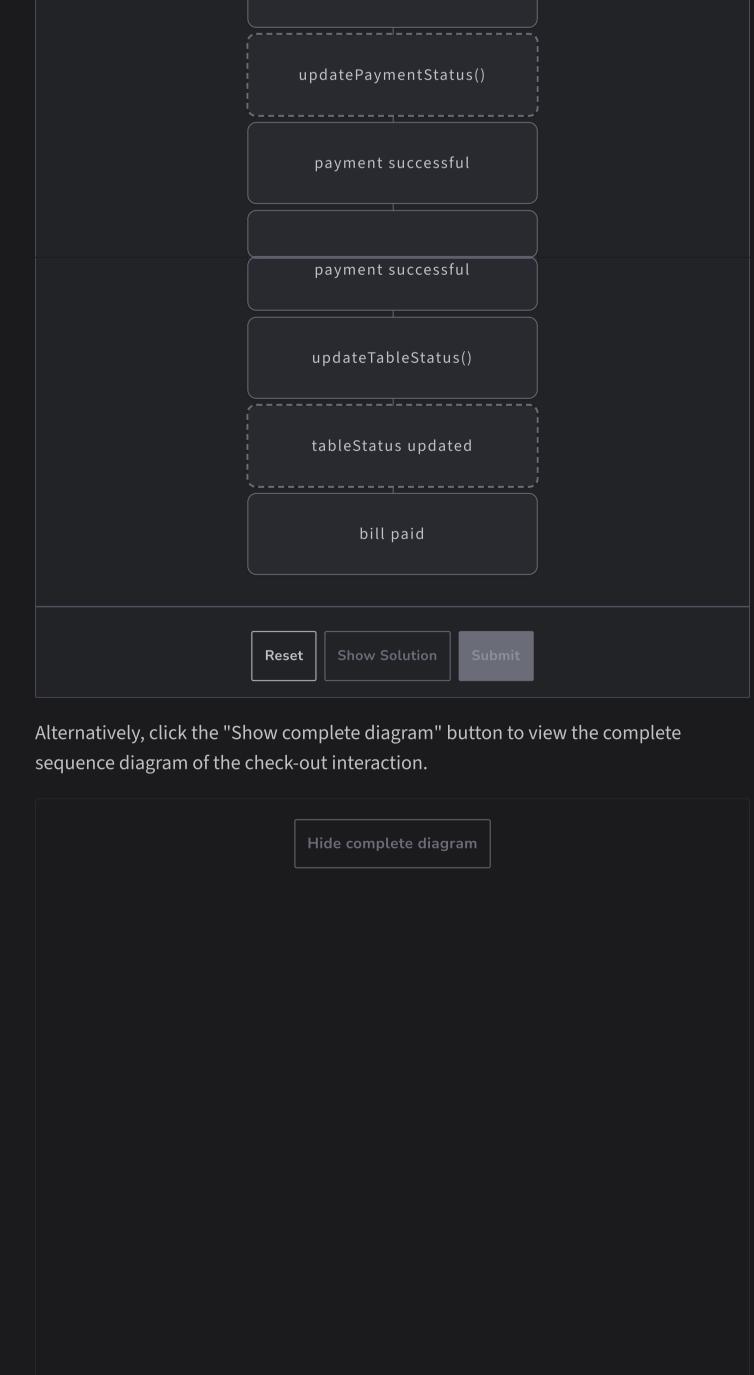
ask for Payment

InitiatePayment()

processPayment()

generateBill()

calculateBill()



Payment

updatePaymentStatus()

Table

sd order payment

ask for bill

ask for payment

initiatePayment()

request for bill

generateBill()

Bill

processPayment()

payment successful

calculateBill()

payment successful