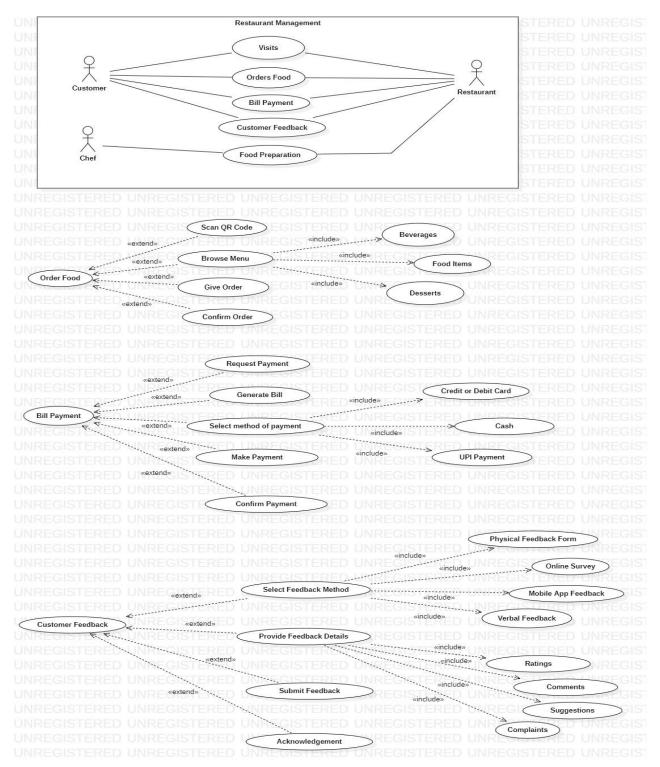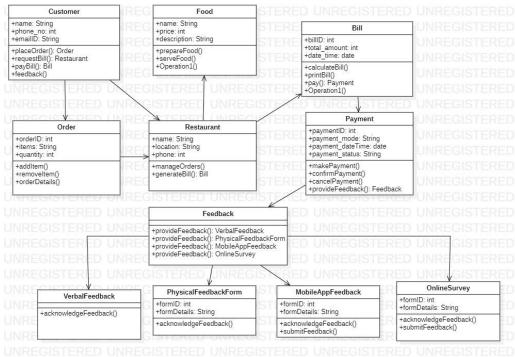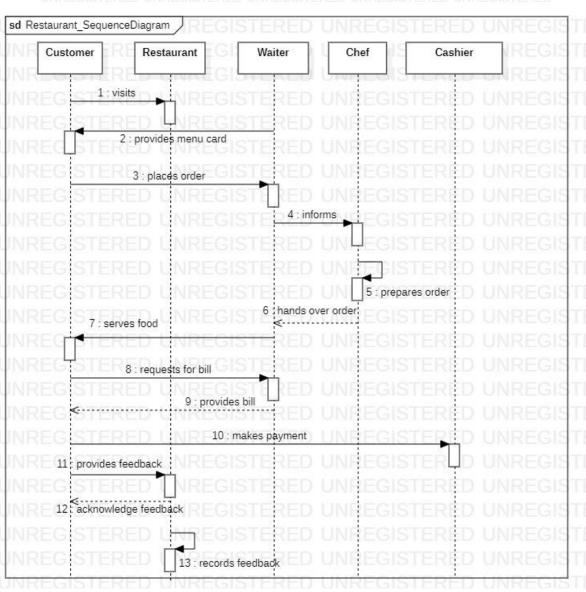1. Assume the following scenario:

A customer visits a restaurant and order food, food is prepared, after consumption of food a bill is handover to customer and customer pay bill. After bill payment the restaurant has a process to get the feedback of customer.

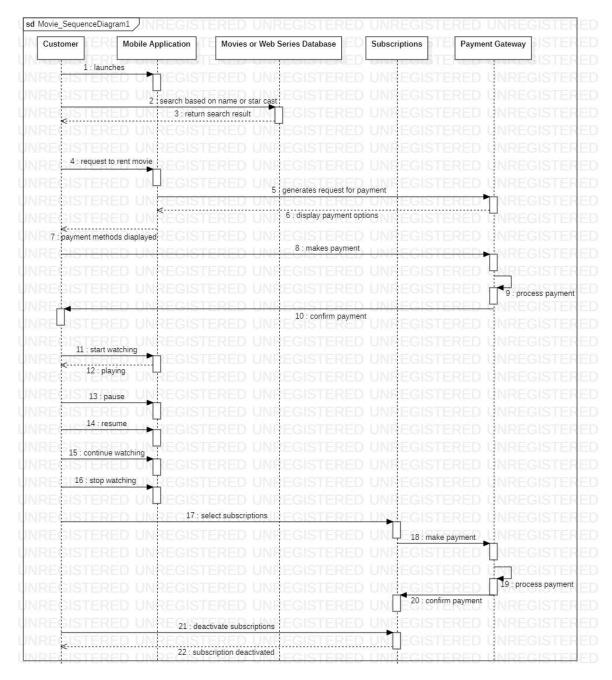Draw a use case, class diagram and sequence diagram for above scenario.

Customer

+name: String
+phone_no: int
+emailID: String

+placeOrder(): Order
+requestBill(): Restaurant
+payBill(): Bill
+feedback()

Food

+name: String
+price: int
+description: String

+prepareFood()
+serveFood()
+Operation1()

Bill

+billID: int
+total_amount: int
+date_time: date

+calculateBill()
+printBill()
+pay(): Payment
+Operation1()

Order

+orderID: int
+items: String
+quantity: int

+addItem()
+removeItem()
+orderDetails()

Restaurant

+name: String
+location: String
+phone: int

+manageOrders()
+generateBill(): Bill

Payment

+paymentID: int
+payment_mode: String
+payment_dateTime: date
+payment_status: String

+makePayment()
+confirmPayment()
+cancelPayment()
+provideFeedback(): Feedback

Feedback

+provideFeedback(): VerbalFeedback
+provideFeedback(): PhysicalFeedbackForm
+provideFeedback(): MobileAppFeedback
+provideFeedback(): OnlineSurvey

VerbalFeedback

+acknowledgeFeedback()

PhysicalFeedbackForm

+formID: int
+formDetails: String

+acknowledgeFeedback()

MobileAppFeedback

+formID: int
+formDetails: String

+acknowledgeFeedback()
+submitFeedback()

OnlineSurvey

+formID: int
+formDetails: String

+acknowledgeFeedback()
+submitFeedback()

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sd Restaurant_SequenceDiagram

Customer | Restaurant | Waiter | Chef | Cashier

1 : visits
2 : provides menu card
3 : places order
4 : informs
5 : prepares order
6 : hands over order
7 : serves food
8 : requests for bill
9 : provides bill
10 : makes payment
11 : provides feedback
12 : acknowledge feedback
13 : records feedback

2. Assume the following scenario: A customer using a Mobile Application to watch a movies or web series, customer does the following task using application:

1. Search movies or web series based on name or star cast

2. Watch movies or web series in continues or with breaks

3. Rent a movie

4. pay subscription fees or deactivate the subscription.

Based on above draw a sequence diagram