**Sequence Diagram : Reserve Seat**



* **Reserve Seat : Diagram description**
  + **Reserve Seat : basic course of events**

1. The staff enters movie ID.
2. The system displays theatre and times that the movie is screened.
3. The staff enter time that is wanted to reserve.
4. The system displays seating plan of theatre that the movie is screened.
5. The staff enters number of covers and selects the seat.
6. The system updates and displays updated seating plan.

* **Reserve Seat – available seats are smaller than covers : alternative course of events**

1. The staff enters movie ID.
2. The system displays theatre and the times that the movie is screened.
3. The staff enter time that is wanted to reserve.
4. The system displays seating plan of theatre that the movie is screened.
5. The staff enters number of covers and selects the seat.
6. The covers are larger than available seats.
7. The use case terminates.

* **Reserve Seat – the time that was entered is now : exceptional course of events**

1. The staff enters movie ID.
2. The system displays theatre and the times that the movie is screened.
3. The staff enter time that is wanted to reserve.
4. The time that was entered is now, so the system issues a warning message asking the staff if they want to continue with the reservation.
5. If the answer is ‘no’, the use case will terminate with no reservation being made.
6. If the answer is ‘yes’, the time will be entered and continue to next reservation step.

**Sequence Diagram : Cancel Reserved Seat**



* **Cancel Seat : Diagram description**
  + **Cancel Seat : basic course of events**

1. The staff enters ticket ID.
2. The system asking staff that they confirm the cancellation.
3. The staff chooses ‘yes’.
4. The system will cancel the seat that is reserved.
   * **Cancel Seat – no reservation in the system : alternative course of events**
5. The staff enters ticket ID.
6. There is no reservation recorded on the system for the ticket ID.
7. The use case terminates.
   * **Cancel Seat – the time on the ticket is now : exception course of events**
8. The staff enters ticket ID.
9. The system asking staff that they confirm the cancellation.
10. The time of ticket that was reserved is now, so the system issues a warning message asking the staff if they want to continue with the cancellation.
11. If the answer is ‘no’, the use case terminates with nothing change.
12. If the answer is ‘yes’, so the system issues a warning message that “You have to pay a charge”.