

contract AssEmp1 - addShiftsRequierments

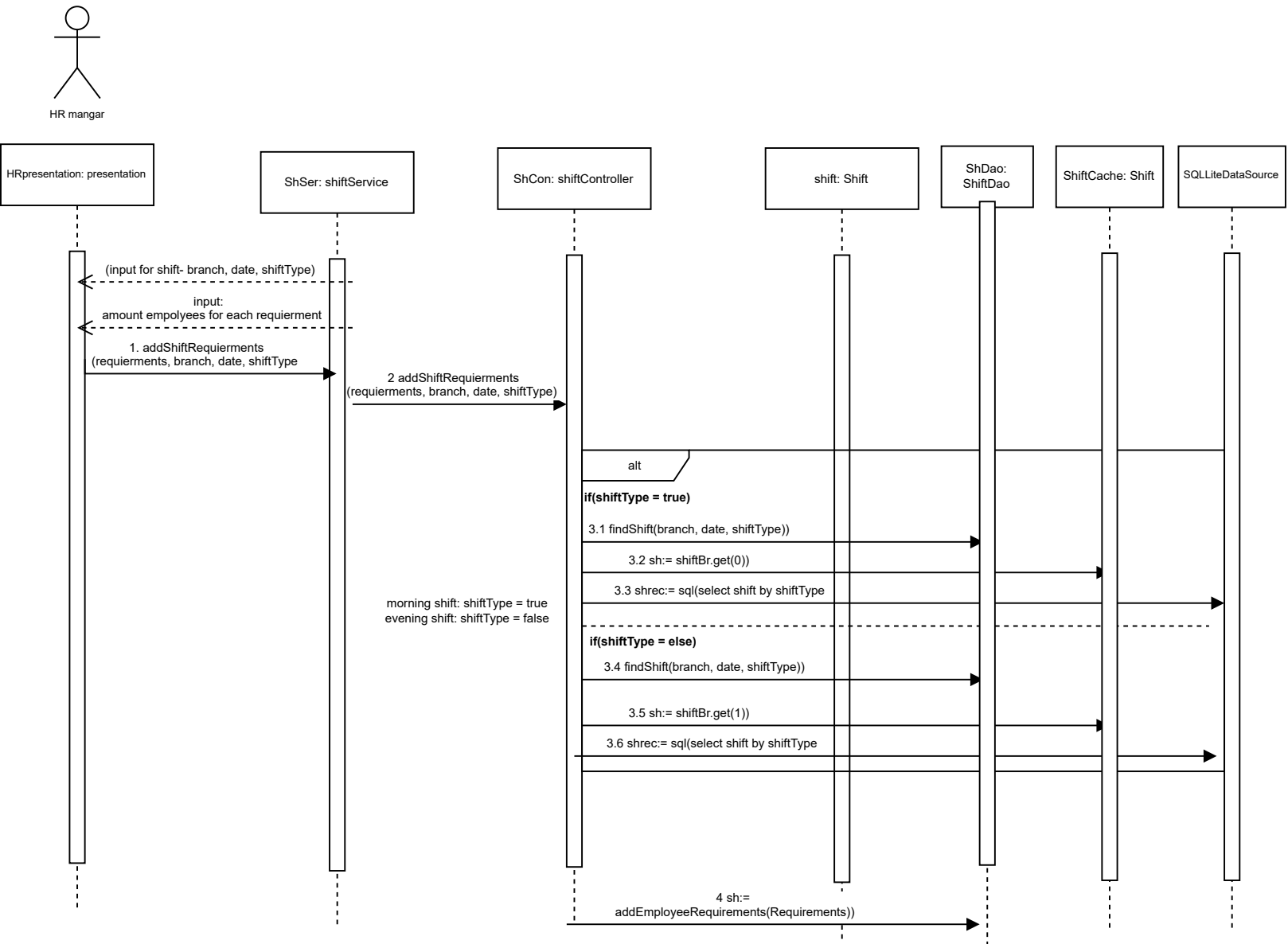
References: Use Cases: Assign employee to a shift

pre-condition:

- 1. There is exist shift in this date and shiftType (shift != null)
- 2. The number of employees needed for each position is ≥ 0 .

post-condition:

- 1. If the number of employees for a such position before the addition was x and y employees were added, then now there should be a total demand for x+y employees for the position



contract AssEmp2 - addSubmission(date, shifyType)

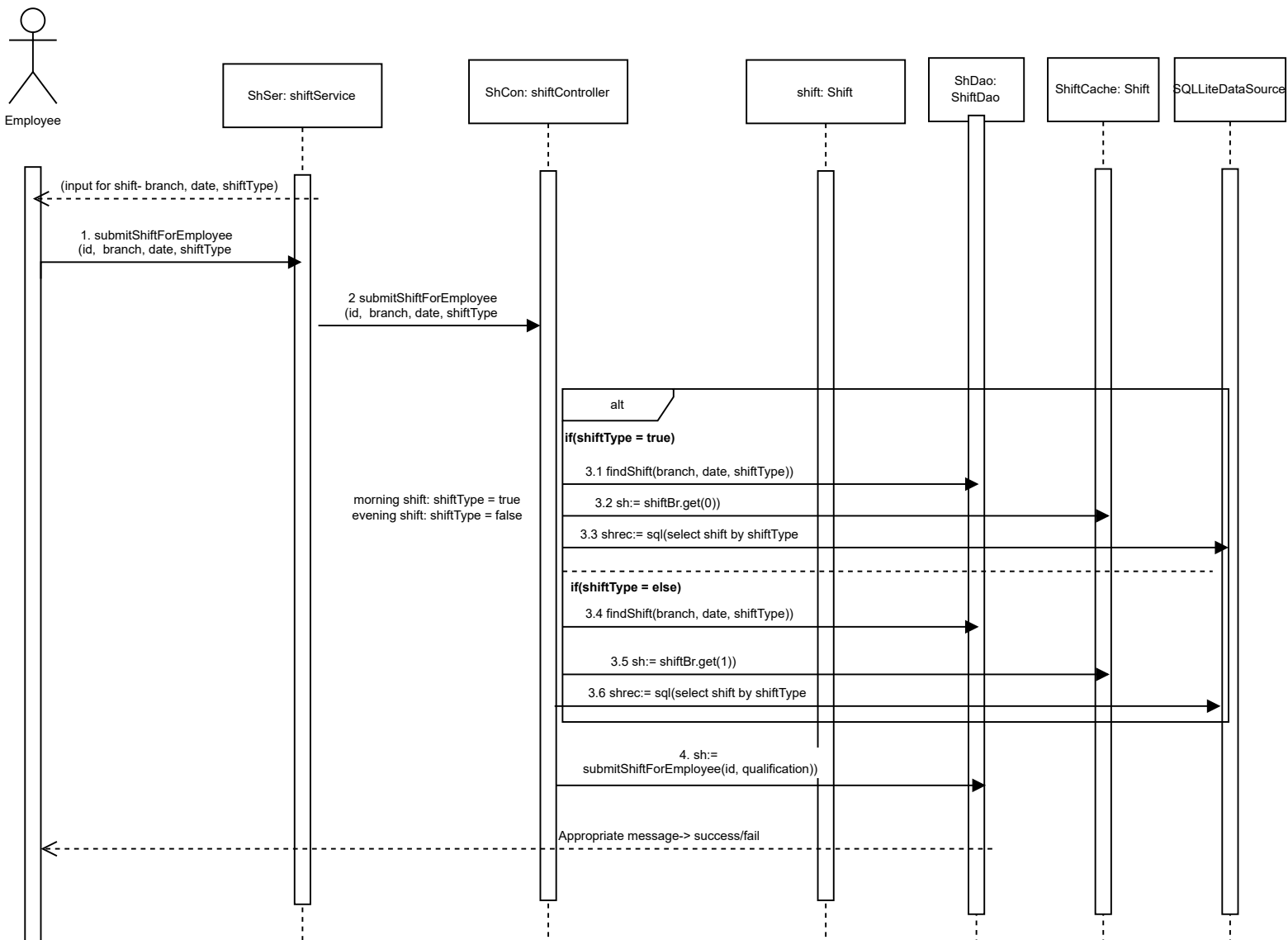
References: Use Cases: Assign employee to a shift

pre-condition:

1. The employee that add the submission is exist in the system- other
2. There is exist shift in this date and shiftType (shift != null)
3. There is at least one position that the employee is qualified to work in.
3. The employee has not yet submitted constraints for the shift - otherwise nothing will change

post-condition:

1. The system will submit a shift constraint for each position which the employee is qualified



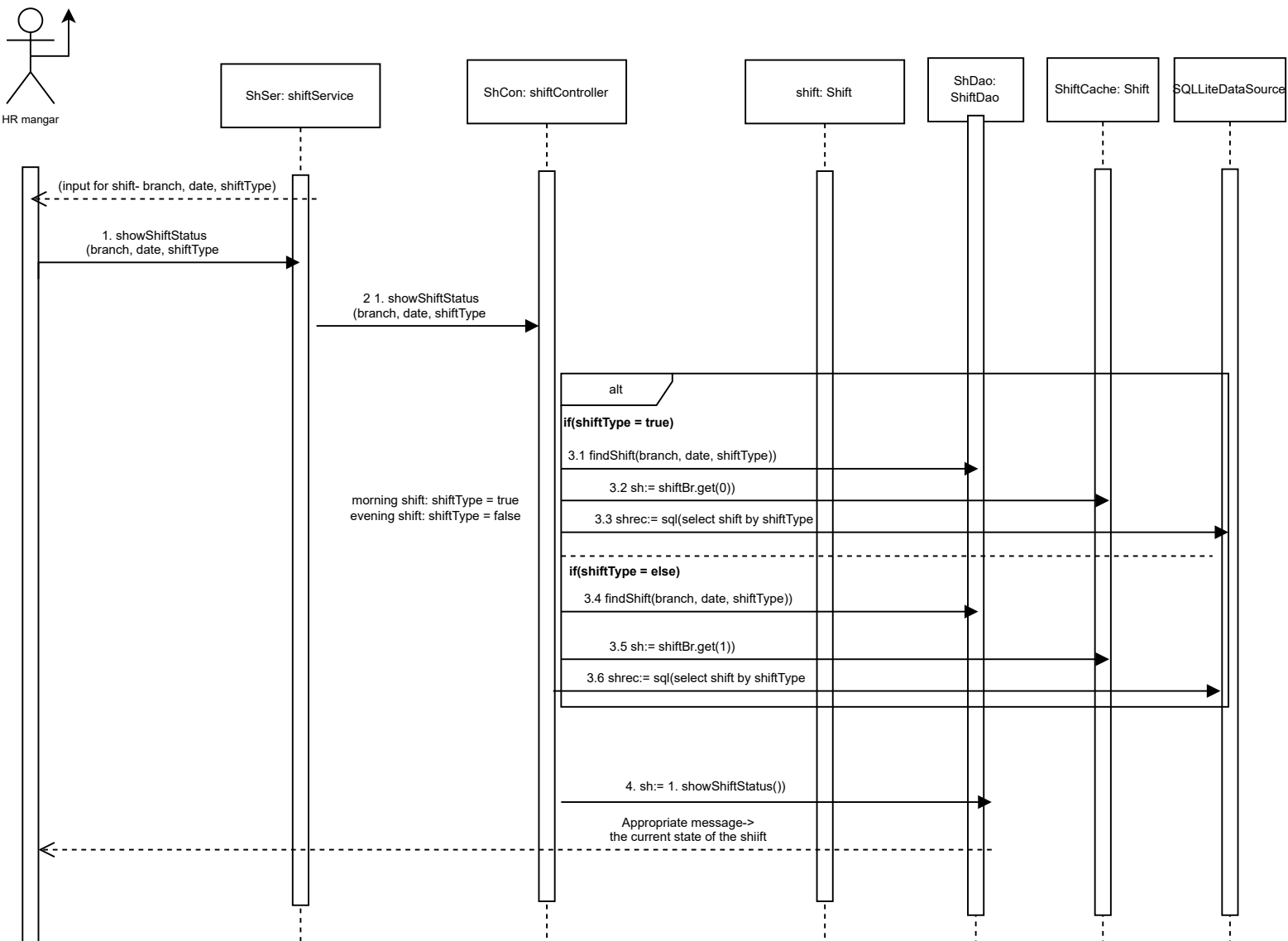
contract AssEmp3- showShiftStaus

References: Use Cases: Assign employee to a shift

pre-condition:

1. There is exist shift in this date and shiftType (shift != null)

post-condition: null



contract AssEmp4 - assignAll/assignManually

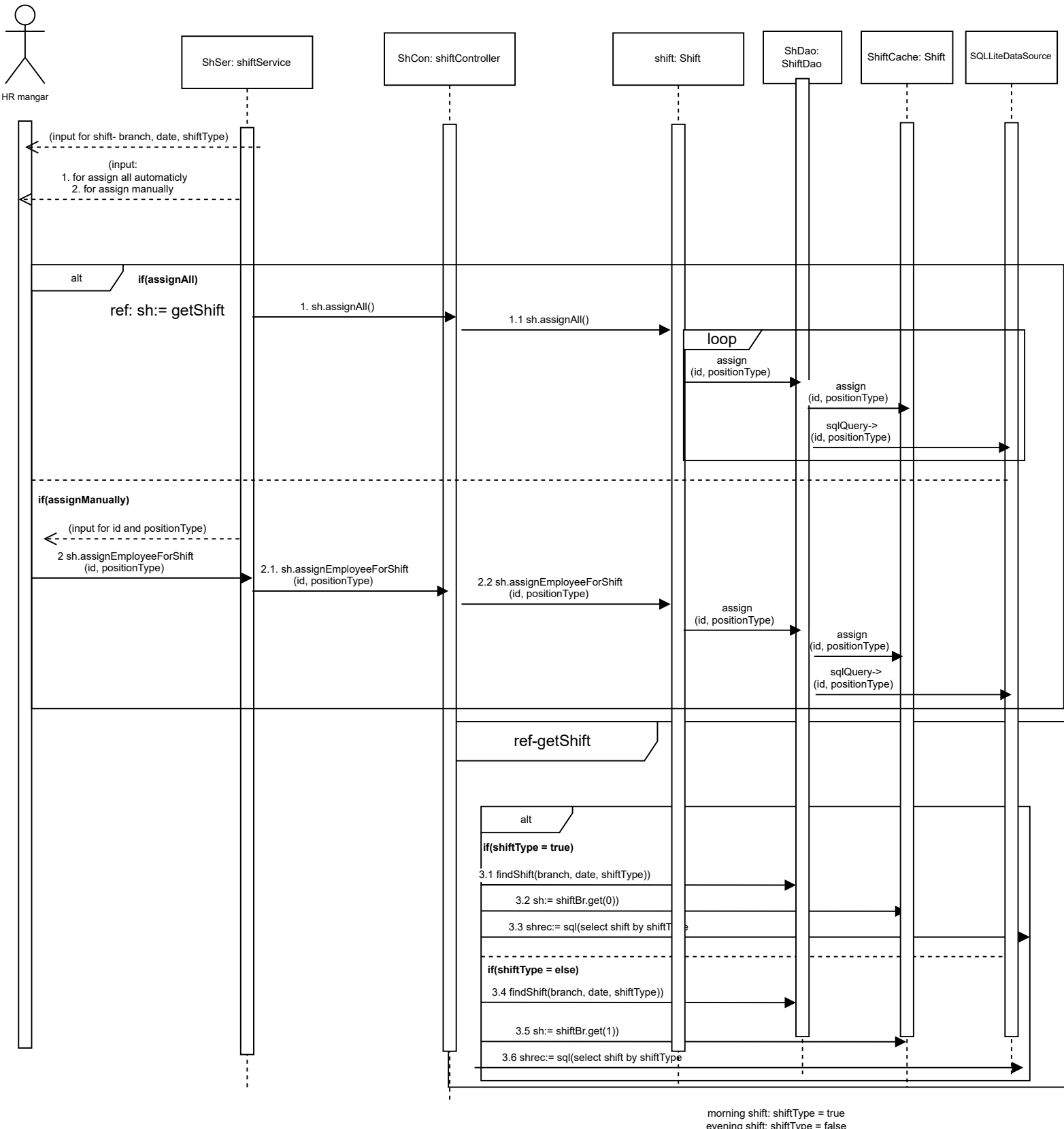
References: Use Cases: Assign employee to a shift

pre-condition:

1. There is exist shift in this date and shiftType (shift != null)
2. There are employees in the system who submitted a constraint for the shift
3. The employees who submitted a constraint for any role are qualified to perform that role

post-condition:

1. Each employee is assigned to a maximum of one shift for that date.
2. Each employee is assigned a maximum of 6 shifts that week.



Contract ED01 - Execute Delivery

| | |
|-------------------------|---|
| Operation: Cross | executeDelivery(delivery:Delivery) |
| References: | use cases: Execute delivery |
| PreConditions: | <ul style="list-style-type: none">-There is a suitable and available driver assigned to delivery-There is a storeKeeper assigned to both shifts in each branch where the transport arrives today |
| PostConditions: | <ul style="list-style-type: none">-The delivery executed-Products that were not collected from suppliers due to overweight in the delivery were assigned to another delivery in the future. |

Contract ED02 - Overweight Action

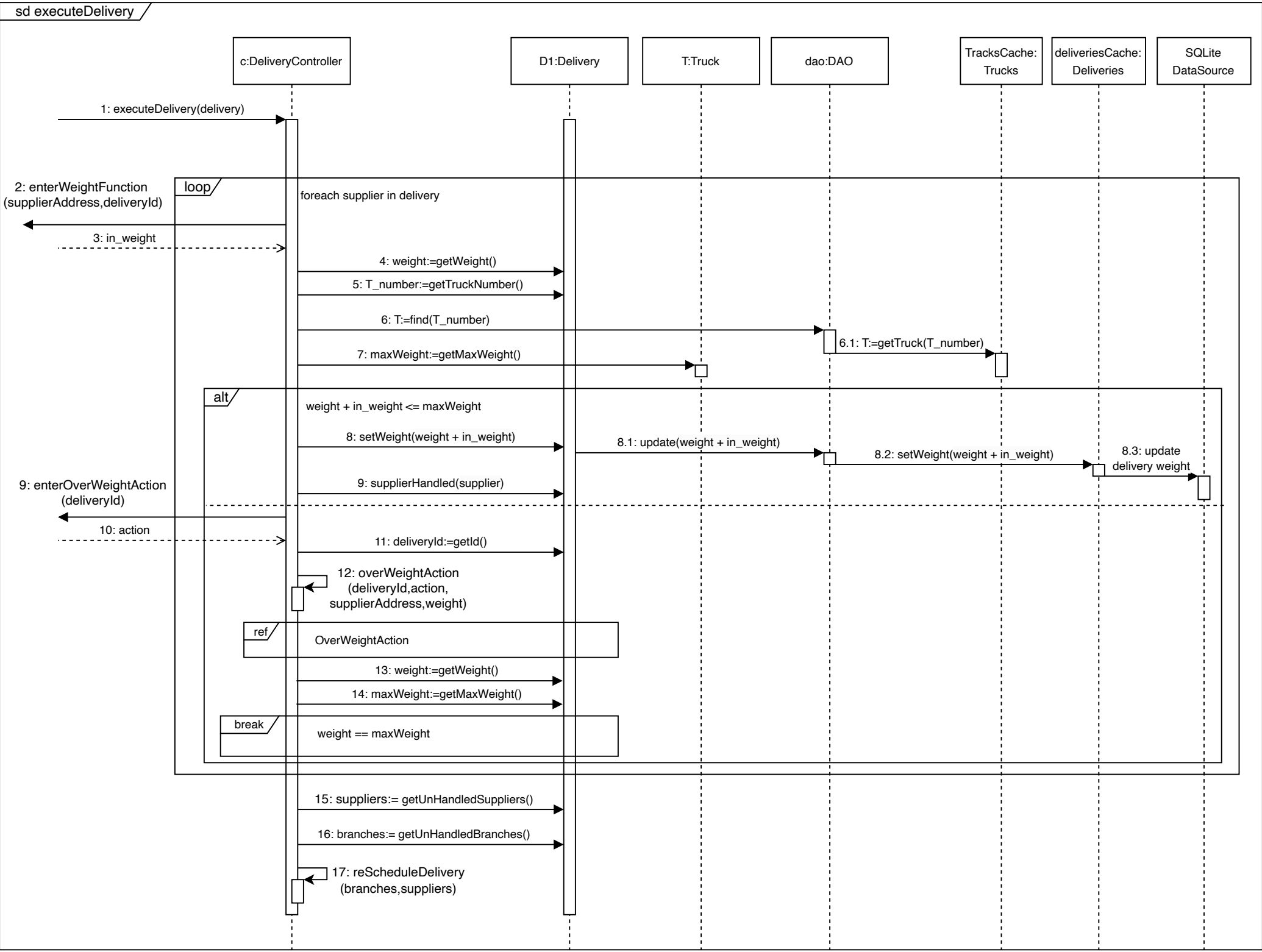
| | |
|-------------------------|---|
| Operation: Cross | OverWeightAction(action) |
| References: | use cases: Execute delivery |
| PreConditions: | <ul style="list-style-type: none">-The delivery has an overweight after loading product from supplier-The transport manager selected an action to perform |
| PostConditions: | <ul style="list-style-type: none">-The overweight handled according to the action selected, the delivery can continue according to the current state after the action |

Contract ED03 - Enter weight

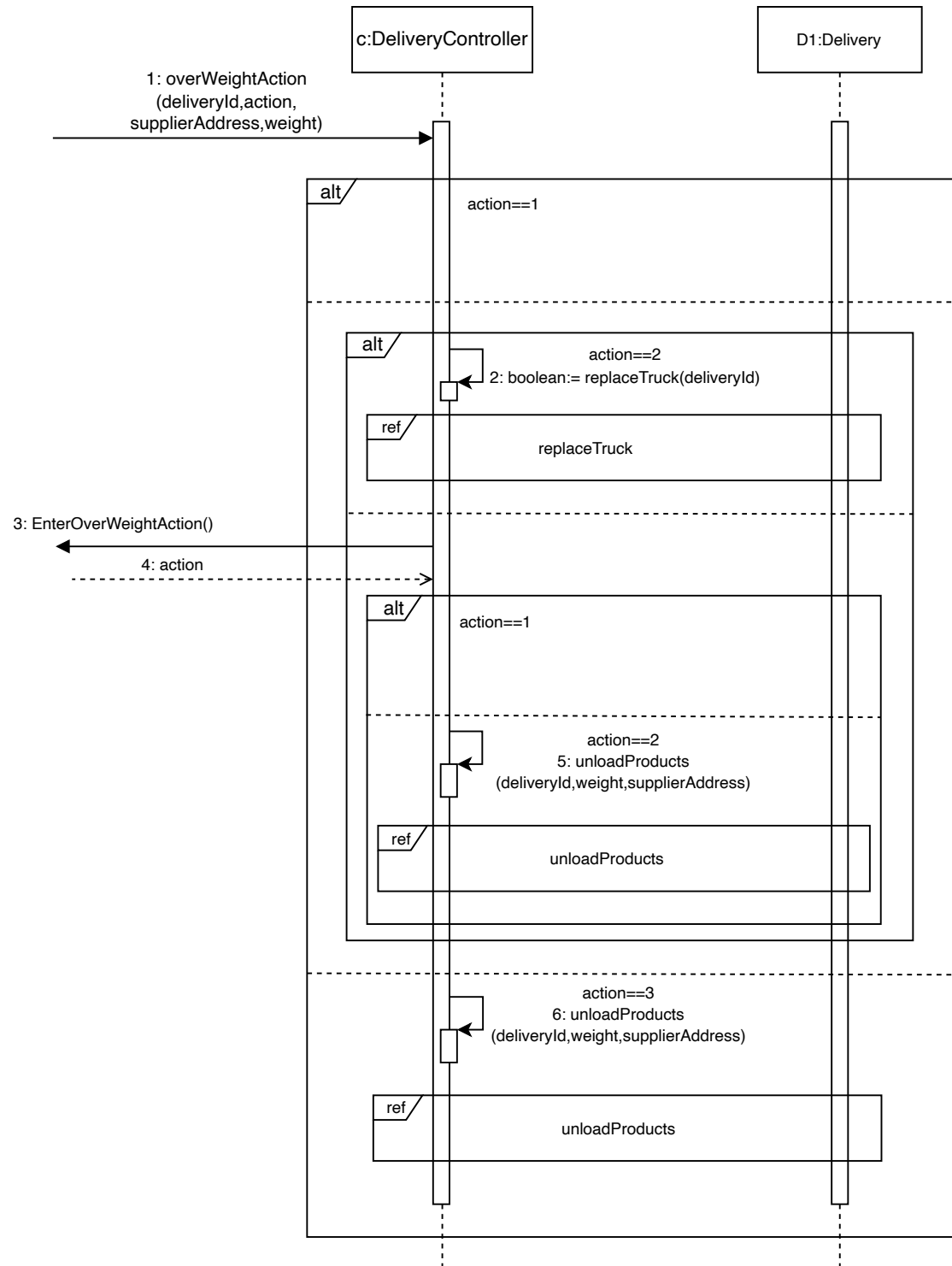
| | |
|-------------------------|---|
| Operation: Cross | enterWeightFunction(supplierAddress,deliveryId) |
| References: | use cases: Execute delivery |
| PreConditions: | <ul style="list-style-type: none">-The delivery has arrived to supplier and loaded products |
| PostConditions: | <ul style="list-style-type: none">-The transport manager will enter the weight of the new loaded products |

Contract ED04 - Enter overweight action

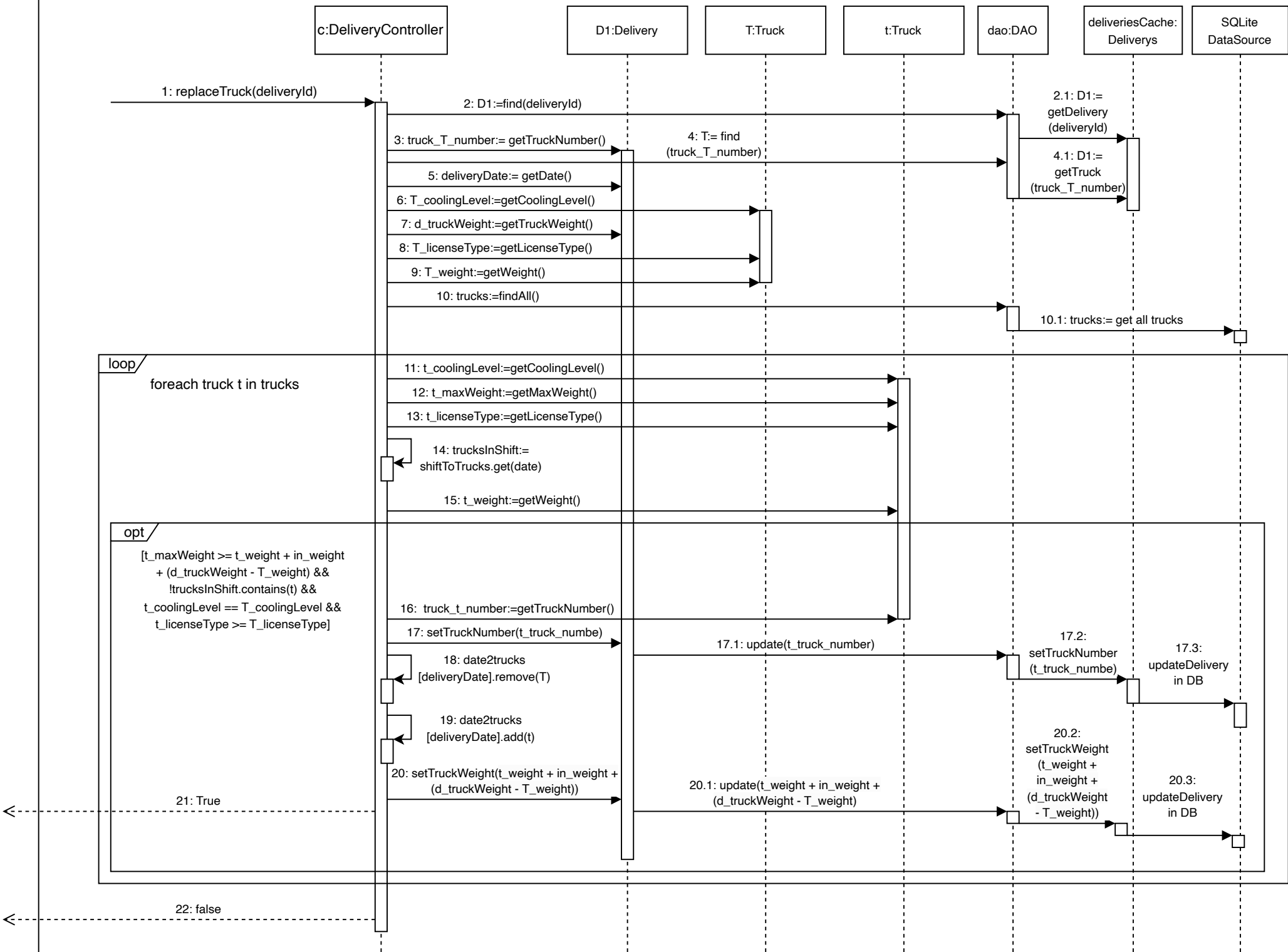
| | |
|-------------------------|---|
| Operation: Cross | enterOverweightFunction(deliveryId) |
| References: | use cases: Execute delivery |
| PreConditions: | <ul style="list-style-type: none">-The delivery has an overweight after loading product from supplier |
| PostConditions: | <ul style="list-style-type: none">-The transport manager selected an action to handle the overweight |



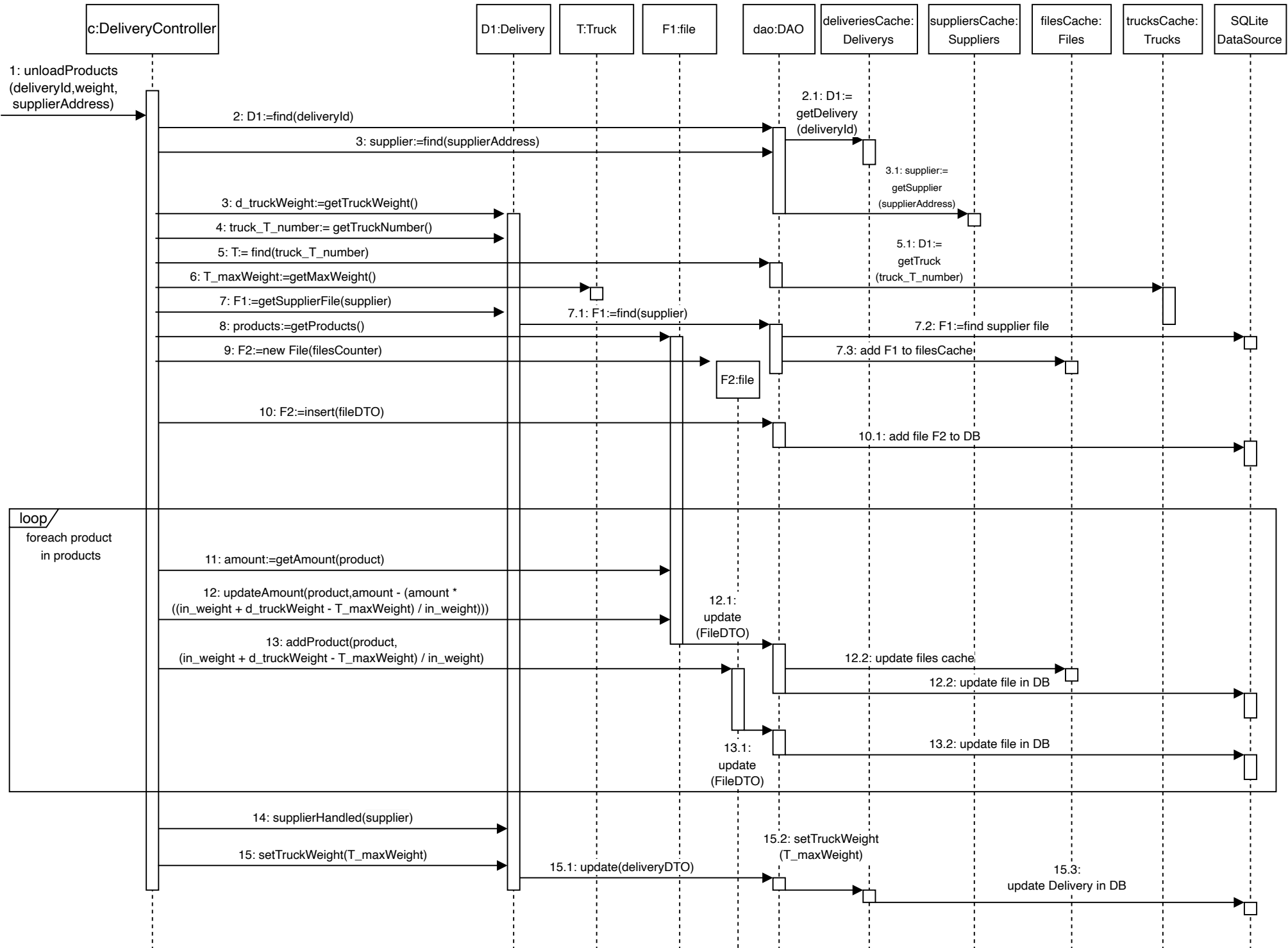
sd OverWeightAction



sd replaceTruck



sd unloadProducts



the next diagrams represents process of receiving input from the user using callbacks

לא היה ברור מדרישות העבודה האם צריך לציין על תהליכים אלו

