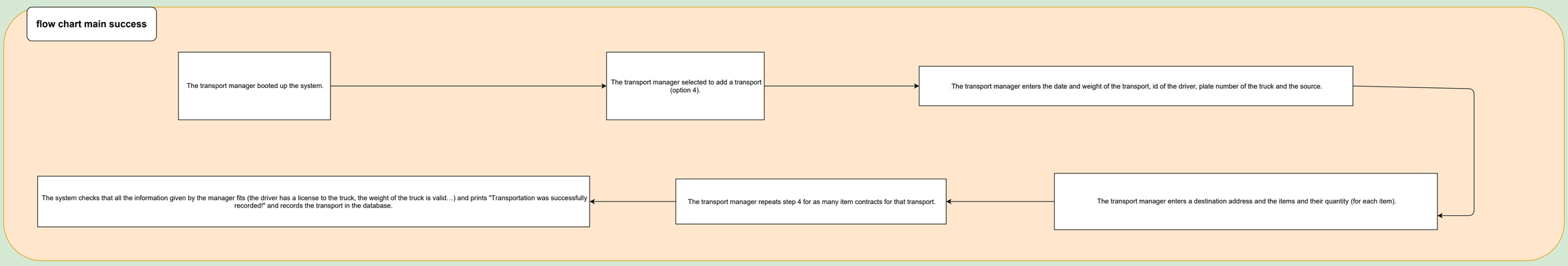
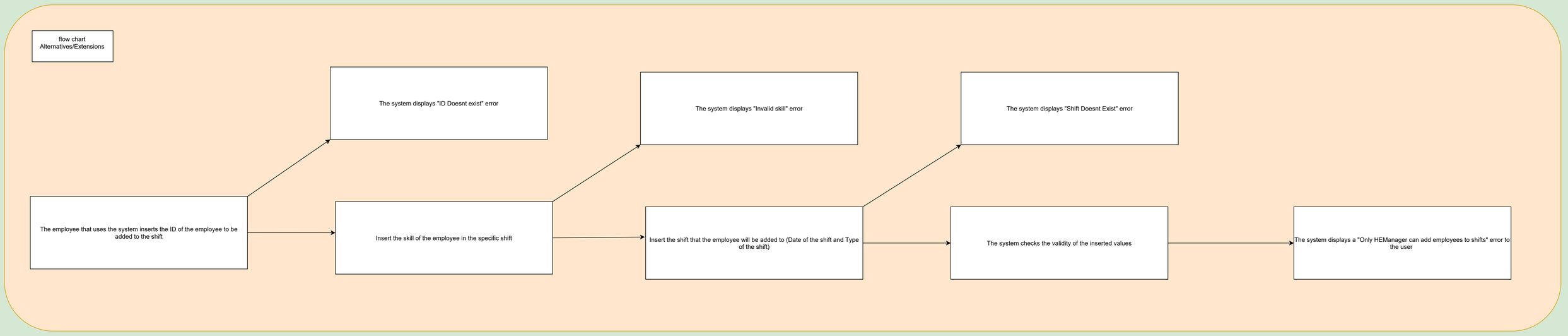
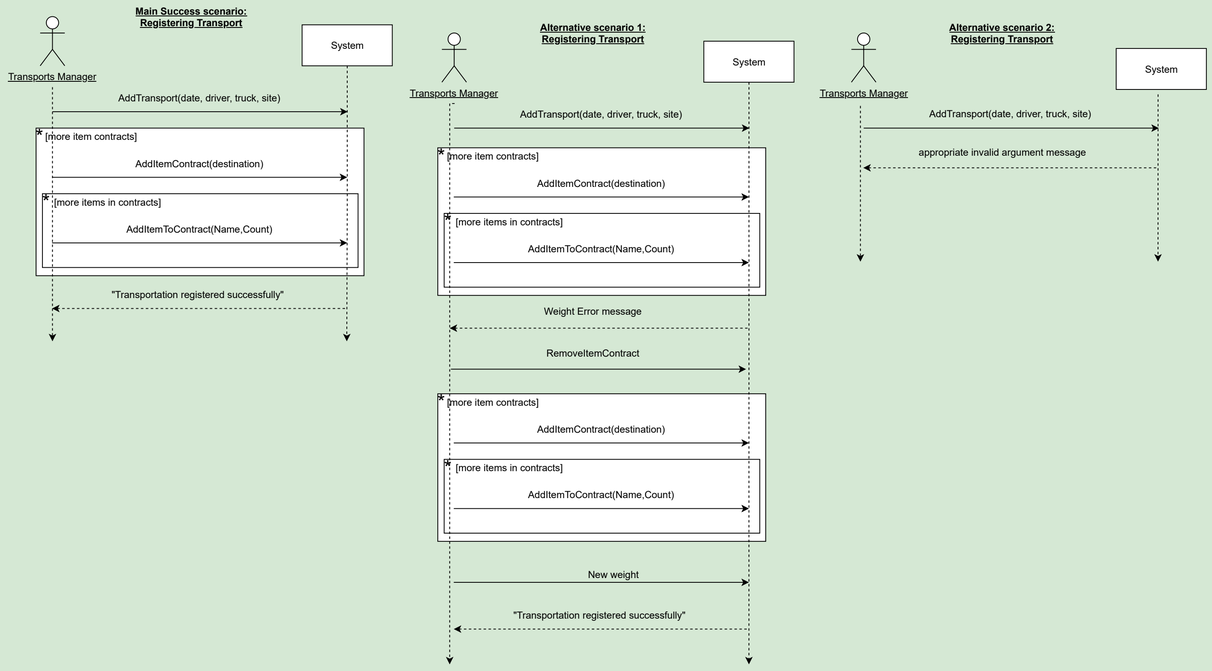
Use Cases Scenario

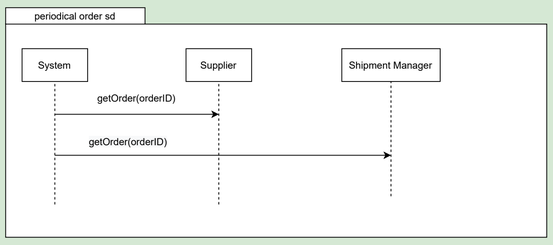
Use Case Name	Add employee to shift	Registering a transportation in the system
Textual Description	Adding an employee to a shift	A transportation manager would regularly add transports to the system by using the add transports menu. There the system will request the manager to input a Driver, an appropriate truck (a truck which the driver has a license to), when the transport is to ship, where it is shipped from and what item contracts does it have.
List Of Actors	HRManager	Transport manager
Pre-conditions	- HRManager must be logged in. -The shift must exist in the system - The employee must exist in the system - The skill of the employee added to the shift must not be already satisfied in the shift	There are already trucks and sites in the system and there is a storage employee and a suitable driver (a driver with an appropriate license for the truck) in the shift the transport is occurring at.
Post-conditions	Employee will be added to the shift	The transport is recorded in the system.
Main success scenario	1. The employee that uses the system inserts the ID of the employee to be added to the shift 2. Insert the skill of the employee in the specific shift 3. Insert the shift that the employee will be added to (Date of the shift and Type of the shift) 4. The system checks the validity of the inserted values 5. The system updates the new employee in the existing shift 6. The system displays a "Success" message	1. The transport manager booted up the system. 2. The transport manager selected to add a transport (option 4). 3. The transport manager enters the date and weight of the transport, id of the driver, plate number of the truck and the source. 4. The transport manager enters a destination address and the items and their quantity (for each item). 5. The transport manager repeats step 4 for as many item contracts for that transport. 6. The system checks that all the information given by the manager fits (the driver has a license to the truck, the weight of the truck is valid…) and prints "Transportation was successfully recorded!" and records the transport in the database.
Alternatives / Extensions	1.The employee that uses the system inserts the ID of the employee to be added to the shift 2.Insert the skill of the employee in the specific shift 3.Insert the shift that the employee will be added to (Date of the shift and Type of the shift 4.The system checks the validity of the inserted values)5.The system displays a "Only HEManager can add employees to shifts" error to the user	1. The weight of the transportation was over the truck's weight limit: a. The system will announce that a modification for the item contracts are needed or the transport should be discarded. b. The transport manager might ask to modify the contracts, discard any of them and reenter any other contract he wishes, and enter a new weight. Or discard the transport entirely. c. Go back to step a until the transport was discarded or a plausible weight was entered. 2. The weight of the transportation given was less than possible (less than the truck's weight) or the driver's ID, the plate number of the truck or one of the sites doesn't exist in the database, or the driver doesn't have a license to the truck: a. The system will terminate the transport and print the appropriate message. The system will return the main menu.







use case name: issuing a periodical order.
textual description: ordering of a periodical order, which is an order that is reordered every fixed amount of time
list of actors: shipment manager , supplier.
pre-conditions: the period of time that should pass between 2 orders of the periodical order has passed at the date of the reordering.
post-conditions: the new order's details are saved in the system.
main success scenario: the order is saved in the system.
alternatives: in reality there could be a scenario where no supplier can deliver the order so the order won't be saved in the system but we don't deal with such cases in the current version of the system.



use case name: issuing an order due to a shortage of a product.
textual description: ordering of a shortage order , which is an order of one product that is in shortage in the inventory .
list of actors: shipment manager , supplier, inventory manager.
pre-conditions: the quantity of the product being ordered in the inventory is below the minimum quantity.
post-conditions: the new order's details are saved in the system, the product's quantity in the inventory is not below the minimum allowed.
main success scenario: the order is saved in the system.
alternatives:
1.in reality there could be a scenario where no supplier can deliver the order so the order won't be saved in the system but we don't deal with such cases in the current version of the system.
2. if the quantity of product units being ordered plus the current units amount is less than the minimum quantity for this product, than the amount of ordered units is increased such that the quantity of product units being ordered plus the current units amount is equal to the minimum quantity allowed for the product.