**Contracts:**

**-Validate report contract:**

|  |  |
| --- | --- |
| Operation: | Validate\_Order(order\_id:INTEGER,Supp\_id:INTEGER,items:List<Record>) |
| Reference: | Cases: Place\_Periodic\_Order, Place\_Shortage\_Order |
| Pre-conditions: | -There is an underway Order  -a warning has been made or a periodic order is being placed/updated |
| Post-conditions: | -given order information are accepted or refused |

**-Placing a shortage order contract:**

|  |  |
| --- | --- |
| Operation: | Place\_shortageOrder(items:Map<Product,INTEGER>) |
| Reference: | Cases: Place\_Shortage\_Order |
| Pre-Conditions: | -there must be pre-made contracts with the associated suppliers  -the required items should be in the minimum defined amount  -a warning stating there are items that reached minimum amounts has been received  -Order is validated |
| Post-Conditions: | -the order or orders are registered and saved in the system  -the orders are associated to the corresponding suppliers |

|  |  |
| --- | --- |
| Operation: | Add\_PeriodicOrder(supp\_name:String,supp\_id:INTEGER,address:String,contact\_number:String,items:List<Record>) |
| Reference: | Cases:Place\_Periodic\_Order |
| Pre-Conditions | -There is an underway Order  -given supplier must have the configuration to come in fixed days.  -There is a pre-made contract with the given supplier  -Order is validated |
| Post-Conditions | -The order is saved in the system as a periodic order  -Order is kept the same until updated at least one day before delivery  -the given supplier is associated to the made and saved periodic order |

**-Placing a periodic order contract:**