Operation contracts

Operation: createNewSaleOrder()

Cross reference: Use case: Process Sale Order

Precondition: Employee is logged into the system

Post condition:

* A new SaleOrder object, *saleOrder* was created

Operation: addCustomer(id: Int)

Cross reference: Use case: Process Sale Order

Precondition: A SaleOrder object *saleOrder* has been created,

Post condition:

* Customer has been added to the sale

Operation: addProduct(id: Int, quantity: Int)

Cross reference: Use case: Process Sale Order

Precondition: A SaleOrder object *saleOrder* has been created, a Product with id exists in the database

Post condition:

* A new SaleOrderLine object, *saleOrderLine* was created
* *saleOrderLine* was added to the sale
* *saleOrderLine.quantity* became quantity
* *saleOrderLine* attributes matched with the product attributes based on the id

Operation: confirmOrder()

Cross reference: Use case: Process Sale Order

Precondition: A SaleOrder object *saleOrder* has been created, a customer and at least one SaleOrder object *saleOrder* has been added to it

Post condition:

* *saleOrder* was recorded in the system
* A new Invoice object, *invoice* was created
* The stock was updated