

Stock Management System

Supplied by

* (abstract class)

contains

Product
product_id
name
price
quantity
update_price()
update_quantity()

Order
order_id
product_list
order_date
status
add_product()
update_status()
get_line_total()

Warehouse
{ Bag } *

1 Inventory

Stores

Perishable	NonPerishable
product	product
expiry_date	warranty_date
is_expired()	check_warranty()
update_price()	update_price()
update_quantity()	update_quantity()

Tracks

Tracked product

Stored & Products

Warehouse	Inventory
warehouse_id	product
location	stock_level
capacity	warehouse
check_capacity()	update_stock_level()
store_product()	check_stock()
remove_product()	

Order
application-type
order_id
product_list
order_date
status
add_product()
update_status()

Recommendations
Application type
confirmed
delivered
validating
canceling

Supplier
Supplier_id
name
contact_info
add_supplier()
update_contact_information()

ordered-by

Purchase Order
purchase_order_id
supplier
product_list
order_date
place_order()
track_order_status()

Orders

ordered

Customer
customer_id
name
contact
address
createOrder()
cancelOrder()

placed by
* Order *