CHECK INVENTORY USE CASE

Document Information

Document Title	*Check Inventory*
Document Owner	Sebastian Rincon
Version	1.0
Status	Complete
Date	02/03/2023

Revision History

V.	Date	Author	Description	Status
1.0	02/03/2023	Sebastian Rincon	Check inventory use case of a new WMS	Complete

1. BRIEF DESCRIPTION

This use case starts when the employee logs into the WMS (Warehouse Management System) using his credentials, checks the Inventory section of the system, see the products and their quantities, and ends when a report about this is printed or exported into a spreadsheet.

2. ACTORS

- **Primary Actor**
  - Customer (user)
- **Secondary Actors**
  - IT team (programmers)
  - Customer
  - BA team

3. TRIGGER

New request to check inventory comes, whether it is that new stock is arrived or the business is getting out of stock and needs to check the inventory for a status update.

4. PRE-CONDITIONS

- PRE-1: The Employee must have a valid account with the system and must be logged in.
- PRE-2: The system must have access to the database containing the inventory information.
- PRE-3: The inventory information must be up-to-date and accurate.

5. BASIC FLOW

User	System
1. uses credentials to log in	Checks credentials
	Allows access to the inventory data
2. Navigates inventory data of the system	Displays list off all products in stock and current quantity
3. Search for specific product using name of the product or SKU number	Displays detail about the product (description, price, and supplier information)
4. Updates quantity of a product	Shows new quantity of the product in stock
	Generates alerts if a product falls below certain threshold
5. Views a report of inventory levels	Displays report filtered by date range or product category
	Shows options for reporting
6. Print report or export into a spreadsheet	Log out

6. ALTERNATE/EXCEPTION FLOWS

User	System
1. Uses credentials to log in	Checks credentials
	Access denied to the inventory data
2. Get valid credentials	Show inventory data

7. POST CONDITIONS
- The inventory information must be updated in the database.
- The system must display the updated information about the quantity of the product.
- If the quantity of a product falls below a certain threshold, the system must generate an alert.
- The report of the inventory levels must be accurate and up to date.
- If the report is printed or exported, it must contain the correct information.
- The system must maintain the integrity and security of the inventory information.
- The system must log the employee's actions for auditing purposes.

8. SUPPLEMENTAL REQUIREMENTS
- Ability to track the physical location of inventory within the warehouse.
- A user-friendly interface for ease of use by employees.
- Adequate security measures to protect sensitive inventory information.
- Ability to efficiently manage and store a large volume of items.

9. VISUAL MODEL

Check Inventory Use Case

Log into the system using his credentials

Navigate to Inventory section of the WMS

See products in stock and quantity

Search specific product by name or code

Display details about selected product

Update quantity of products in stock

System generates alert if a product is below threshold

Views a report of inventory levels

Print the report or export into a spreadsheet

Employee

WMS