Software Engineering
Lab 2 - Clean code

Objective

Enhance the Inventory Management System by adding a low-stock alert feature. This feature will trigger an alert when an item's quantity falls below 10 units. You will implement this feature in the existing messy version of the code to observe the challenges of working with unstructured code, and then copy this file and clean this code.

Requirements

1. Implement a Low-Stock Alert Feature: Modify the system to check if any item's quantity falls below 10. If so, log the following alert message:
    ALERT: Item [item_name] is below 10 units! Current quantity: [quantity]
    Ensure the alert is triggered in the following scenarios:
    a. When removing an item from the inventory.
    b. When reducing an item's quantity below 10.
2. Clean the code applying the learnt concepts: Add suitable meaningful comments, follow naming conventions etc.

Instructions

*   In the req.js implement the feature and clean the code without breaking it
*   To run it just use **node req.js**