

Assignment 03 (5%) – Due 29th March 2024

Project Overview: You are tasked with creating a simple inventory tracker for a small retail store. The system should allow the user to add, remove, and display products in the inventory. Additionally, it should provide functionalities to calculate the total value of the inventory and display low stock alerts.

Assignment Tasks:

Initialize Inventory:

- Create a JavaScript object to store the inventory data.
- Include properties such as product ID, name, price, and quantity.
- Populate the inventory with a few initial products.

Add Product Functionality:

- Implement a function to add a new product to the inventory.
- Prompt the user for product details such as ID, name, price, and quantity.
- Add the new product to the inventory object.

Remove Product Functionality:

- Implement a function to remove a product from the inventory.
- Prompt the user for the ID of the product to be removed.
- Remove the product from the inventory if it exists; otherwise, display an error message.

Display Inventory Functionality:

- Implement a function to display the entire inventory.
- Iterate through the inventory object and display each product's details.

Calculate Total Value:

- Implement a function to calculate the total value of the inventory.
- Multiply the price of each product by its quantity and sum up the values.
- Display the total value to the user.

Note: This assignment is designed to assess your understanding and proficiency in using JavaScript concepts such as functions, objects, loops, conditional statements, and basic error handling in a practical project scenario. Keep the implementation simple and focus on achieving the core functionalities outlined above.

Submit the code in GitHub and copy and paste the GitHub link in the Blackboard.