

Inventory Management System Instructions

Introduction

Welcome to the Inventory Management System of “Super-Lee”! This system allows you to manage products, items, discounts, and generate various reports. The system uses a command line interface for you to communicate with.

Running the System

To run the system **without** the sample data, type: “java –jar adss2024_v01.jar”.

To run the system **with** the sample data, type: “java –jar adss2024_v01.jar sampleSuper.txt”.

Sample Data

You can use the file “sampleSuper.txt” to load data at the beginning of the program. This data consists of product items and discounts, including product details (name, costs, categories, manufacturer, etc.), item information (IDs, expiration dates, warehouse status), and discount periods with applicable categories and products.

***Note:** in our system product is for example: “humus Ahla 500g”, and item is for example a specific box of:” humus Ahla 500g” with a specific ID 123 and expired date “6/9/2024”.

Menu Options

1. Load Data

- Load data into the system. You will be prompted to enter the data string.

2. Add Product

- Add a new product. You will be prompted for the product name, buying cost, selling cost, categories, manufacturer, minimum amount allowed, warehouse location, and store location.

3. Add Item

- Add a new item. You will be prompted for the product name, item ID, expiration date, and whether the item is in the warehouse or on the store’s shelves.

4. Add Discount

- Add a new discount. You will be prompted for the start date, end date, categories, discount parameter, and whether the discount is for costumers (in-store) or from suppliers.

5. Get Report By Category

- Generate a report of products by category. You will be prompted to enter categories.

6. Get Report Almost Missing

- Generate a report of products that their amount in the inventory is lower than the minimal amount allowed.

7. Get Report Bad Products

- Generate a report of how many defected and expired items each product has.

8. Change Product Buying Cost

- Change the buying cost of a product from the suppliers. You will be prompted for the product name and new buying cost.

9. Change Product Selling Cost

- Change the selling cost of a product. You will be prompted for the product name and new selling cost.

10. Change Product Categories

- Change the categories of a product. You will be prompted for the product name and new categories.

11. Get Item Cost

- Get the cost of an item in the store (after discount). You will be prompted for the item ID.

12. Get Product Cost

- Get the cost of a product (after discount). You will be prompted for the product name.

13. Notify Item Bought

- Notify the system that an item has been bought. You will be prompted for the item ID.

14. Get Item Supplier Cost

- Get the supplier cost of an item (after discount). You will be prompted for the item ID.

15. Get Product Supplier Cost

- Get the supplier cost of a product (after discount). You will be prompted for the product name.

16. Remove Discount

- Remove a discount. You will be prompted to specify if the discount is for customers or from suppliers, and then to choose the discount to remove.

17. Show Discounts

- Show all discounts. You will be prompted to specify if you want to see discount for customers or from suppliers

18. Remove Product

- Remove a product. You will be prompted for the product name.

19. Notify Damaged Item

- Notify the system of a damaged item. You will be prompted for the item ID.

20. Move Item From Warehouse

- Move an item from the warehouse to the store. You will be prompted for the item ID.

21. Move Item To Warehouse

- Move an item from store to warehouse. You will be prompted for the item ID.

22. Get Item Location

- Get the location of an item. You will be prompted for the item ID.

23. Get Product Location

- Get the location of a product. You will be prompted for the product name and whether you want the warehouse location or the store's location.

24. Exit

- Exit the system.

Additional Help

For further assistance, please contact:

058-4185185, 054-3929202.