

Unique Code :- I21 (Himanshu Vishwakarma)

Project 1 :- Inventory Management System::--

I run a small retail store and to keep track of my inventory. can you create a software solution that helps me manage my products ,sales and inventory more efficiently?

FEATURES REQUESTED::--

PRODUCT MANAGEMENT : "I need a system where I can easily add new products, update their details , and remove outdated ones. "

STOCK TRACKING :: " Can the software track how many of each item I have in stock and notify me when I need to restock?"

SALES RECORDING :: " I want to record each sale and have it automatically update my inventory levels. "

REPORT GENERATOR :: " It would be great to generate reports showing what's selling well and what's low in stock. "

Output::-- 1. Firstly Adding Product...

```
Menu:
1. Product Management
2. Stock Tracking
3. Sales Record
4. Report Generator
5. Exit
Enter your choice (1-5): 1
Product Management:
1. Add Product
2. Update Product
3. Remove Product
4. Sale product
5. Back to Main Menu
Enter your choice (1-5): 1
Enter Product name : laptop dell
Enter product price : 45000
Enter initial quantity : 45
Added product : laptop dell
Product Management:
1. Add Product
2. Update Product
3. Remove Product
4. Sale product
5. Back to Main Menu
Enter your choice (1-5): |

Enter your choice (1-5): 1
Enter Product name : laptop HP
Enter product price : 40000
Enter initial quantity : 40
Added product : laptop HP
Product Management:
1. Add Product
2. Update Product
3. Remove Product
4. Sale product
5. Back to Main Menu
Enter your choice (1-5): 1
Enter Product name : laptop lenova
Enter product price : 38000
Enter initial quantity : 38
Added product : laptop lenova
Product Management:
1. Add Product
2. Update Product
3. Remove Product
4. Sale product
5. Back to Main Menu
Enter your choice (1-5): |
```

2. After adding product we back and then
to check stock Track...

```
Product Management:
1. Add Product
2. Update Product
3. Remove Product
4. Sale product
5. Back to Main Menu
Enter your choice (1-5): 5
Menu:
1. Product Management
2. Stock Tracking
3. Sales Record
4. Report Generator
5. Exit
Enter your choice (1-5): 2
1. Notify Low Stock
2. Track Stock
3. Back to Main Menu
Enter your choice (1-3): 2
Stock levels :
laptop dell: 45
laptop HP: 40
laptop lenova: 38
1. Notify Low Stock
2. Track Stock
3. Back to Main Menu
Enter your choice (1-3): |
```

3. check whole broser product in store

```

1. Notify Low Stock
2. Track Stock
3. Back to Main Menu
Enter your choice (1-3): 3
Menu:
1. Product Management
2. Stock Tracking
3. Sales Record
4. Report Generator
5. Exit
Enter your choice (1-5): 4
Inventory Report
Name      Price    Quantity    Value
laptop dell      45000.0    45      2025000.0
laptop HP        40000.0    40      1600000.0
laptop lenova    38000.0    38      1444000.0
Total Value : 5069000.0
Menu:
1. Product Management
2. Stock Tracking
3. Sales Record
4. Report Generator
5. Exit
Enter your choice (1-5): |

```

```

1. Add Product
2. Update Product
3. Remove Product
4. Sale product
5. Back to Main Menu
Enter your choice (1-5): 4
Enter product name to record sale :
laptop HP
Enter quantity sold : 30
Sold 30 units of laptop HP
Product Management:
1. Add Product
2. Update Product |
3. Remove Product
4. Sale product
5. Back to Main Menu
Enter your choice (1-5):

```

4.let sell 30 laptop HP from store..

Now we try to check items so go back to main menu..

Then we check sales Record..So press 3 to go inside 'sale Product' menu..

```

Product Management:
1. Add Product
2. Update Product
3. Remove Product
4. Sale product
5. Back to Main Menu
Enter your choice (1-5): 5
Menu:
1. Product Management
2. Stock Tracking
3. Sales Record
4. Report Generator
5. Exit
Enter your choice (1-5): 3
1. Sale Record
2. Track Stock
3. Back to Main Menu
Enter your choice (1-3) :

Enter your choice (1-3) :
1
Sales Reports :
Product Quantity    Total Amount
laptop HP      30      1200000.0
1. Sale Record
2. Track Stock
3. Back to Main Menu
Enter your choice (1-3) :
2
Stock levels :
laptop dell: 45
laptop HP: 10
laptop lenova: 38
1. Sale Record
2. Track Stock
3. Back to Main Menu
Enter your choice (1-3) :

```

We sold some product and we have less than 10 (< 10) pieces then show notify ...{Note:- for sell we have to go Product management menuinside..}

Let we sell again 'laptop HP' 2 pieces then we have 8 piece only..

```

Product Management:
1. Add Product
2. Update Product
3. Remove Product
4. Sale product
5. Back to Main Menu
Enter your choice (1-5): 4
Enter product name to record sale :
laptop HP
Enter quantity sold : 2
Sold 2 units of laptop HP
Product Management:
1. Add Product
2. Update Product
3. Remove Product
4. Sale product
5. Back to Main Menu

Menu:
1. Product Management
2. Stock Tracking
3. Sales Record
4. Report Generator
5. Exit
Enter your choice (1-5): 2
1. Notify Low Stock
2. Track Stock
3. Back to Main Menu
Enter your choice (1-3): 1
Low stock alert :
laptop HP: 8
1. Notify Low Stock
2. Track Stock
3. Back to Main Menu
Enter your choice (1-3):

```


And also we see “Track Stock” that are also here show notified me low stock product...

```
Enter your choice (1-5): 2
1. Notify Low Stock
2. Track Stock
3. Back to Main Menu
Enter your choice (1-3): 1
Low stock alert :
laptop HP: 8
1. Notify Low Stock
2. Track Stock
3. Back to Main Menu
Enter your choice (1-3): 2
Stock levels :
laptop dell: 45
laptop HP: 8
***Low stock alert*** : laptop HP
laptop lenova: 38
1. Notify Low Stock
2. Track Stock
3. Back to Main Menu
Enter your choice (1-3): |
```

And also if we want to see “report Generator” here seen are...

```
Enter your choice (1-3): 3
Menu:
1. Product Management
2. Stock Tracking
3. Sales Record
4. Report Generator
5. Exit
Enter your choice (1-5): 4
Inventory Report
Name    Price    Quantity    Value
laptop dell    45000.0    45    2025000.0
laptop HP    40000.0    8    320000.0
***Low stock alert*** : laptop HP
laptop lenova    38000.0    38    1444000.0
Total Value : 3789000.0
```

And for below menus option, we need to from main “Menu” > Product Management >

1. Add product :-
2. Update product:-
3. Remove Product:-
4. Sale Product:-

And For Stock Tracking , we need to go from main “Menu” > Stock Tracking >

1. Notify Low Stock
2. Track Stock
3. Back to Main Menu

And For Knowing Sale record , we need to go from main “Menu” > Stock Tracking >

1. Sale Record
2. Track Stock
3. Back to Main Menu

Enter your choice (1-3) :

And for report generator , we need to go form main “Menu” > Report Generator>

Here we see our all stock report ..

And at last If want to shutdown System , we need to press 5 option –

Then Exiting From “Inventory Management System..”

“--:: **THANK YOU**::--”