

# PROJECT 2: STOCKIT – Mini Inventory Management

## Description

Manages products, their quantities, suppliers, and stock alerts. Designed for small retail shops or stores that want to track their inventory.

### □ Scenario

Shopkeepers can't manually track all stock movements. This system automates updates when stock is added, sold, or runs low.

## Menu

### STOCKIT - Mini Inventory Management

1. Add New Product
2. Update Product Stock
3. Record a Sale
4. Add Supplier
5. View Supplier's Products
6. Generate Inventory Report
7. Check Reorder Alerts
8. View Product Details
9. Delete a Product
10. Exit

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Enter your choice:

## Functions Needed

```
def add_product(product_id, name, category, price, quantity) def
update_stock(product_id, change) def record_sale(product_id, quantity) def
add_supplier(supplier_id, name, contact) def get_supplier_products(supplier_id) def
generate_inventory_report() def check_reorder_alerts(threshold) def
view_product_details(product_id) def delete_product(product_id)
```

## Sample Output

```
=== INVENTORY REPORT === Product: Sugar (P1001) Category: Grocery Stock: 8 kg Reorder
Alert □: Below threshold (10 kg) Total Products: 15
```

## Edge Cases

Selling more than available quantity Negative or zero stock updates Invalid product ID or supplier Reordering alert duplicates