



K.R. MANGALAM UNIVERSITY
THE COMPLETE WORLD OF EDUCATION

ACADEMIC SESSION 2025-26

Odd Semester



INVENTORY STOCK MANAGEMENT SYSTEM

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```
# Inventory Stock Management System

inventory = {}

def add_item():
    item = input("Enter item name: ")
    qty = int(input("Enter quantity: "))
    price = float(input("Enter price: "))

    if item in inventory:
        print("Item already exists! Updating quantity.")
        inventory[item]['quantity'] += qty
    else:
        inventory[item] = {'quantity': qty, 'price': price}

    print("Item added/updated successfully.\n")

def update_stock():
    item = input("Enter item name to update: ")
    if item in inventory:
        qty = int(input("Enter new quantity: "))
        inventory[item]['quantity'] = qty
        print("Stock updated.\n")
    else:
        print("Item not found!\n")
```

```
def remove_item():

    item = input("Enter item name to remove: ")

    if item in inventory:

        del inventory[item]

        print("Item removed.\n")

    else:

        print("Item not found!\n")
```

```
def search_item():

    item = input("Enter item name to search: ")

    if item in inventory:

        print("Item found:", item)

        print("Quantity:", inventory[item]['quantity'])

        print("Price:", inventory[item]['price'], "\n")

    else:

        print("Item not found!\n")
```

```
def display_inventory():

    if not inventory:

        print("Inventory is empty!\n")

        return

    print("\n----- INVENTORY LIST -----")

    for item, details in inventory.items():
```

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    print(f"{item} → Qty: {details['quantity']} | Price:  
{details['price']}")  
  
print()  
  
  
  
# ----- Main Menu -----  
  
while True:  
  
    print("== INVENTORY MANAGEMENT SYSTEM ==")  
    print("1. Add Item")  
    print("2. Update Stock")  
    print("3. Remove Item")  
    print("4. Search Item")  
    print("5. Display Inventory")  
    print("6. Exit")  
  
  
choice = int(input("Enter your choice: "))  
print()  
  
  
if choice == 1:  
    add_item()  
elif choice == 2:  
    update_stock()  
elif choice == 3:  
    remove_item()  
elif choice == 4:  
    search_item()  
elif choice == 5:  
    display_inventory()
```

```
elif choice == 6:  
    print("Exiting... Thank you!")  
    break  
else:  
    print("Invalid choice! Try again.\n")
```