Store Inventory Management System

Submitted by: Aklesh Swain[25BAI11184]

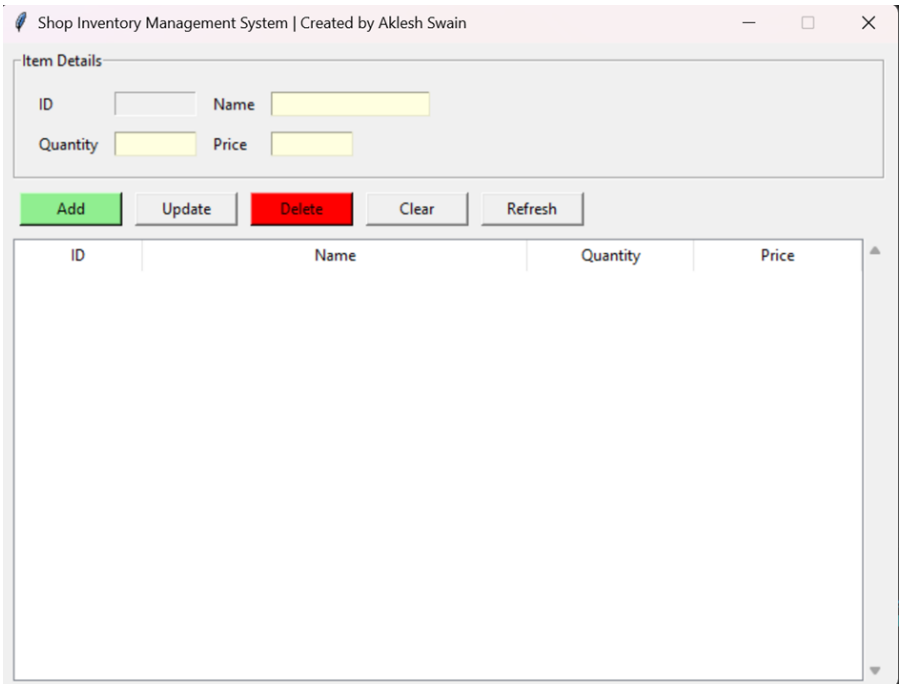
OVERVIEW OF PROJECT:

A shop inventory management system is a software solution designed to help retail businesses efficiently track, manage, and control their stock levels across the entire lifecycle of products from ordering and receiving to selling and restocking. It typically supports a centralized database where product information including ID, category, price, quantity, and supplier details is stored, making it quick to retrieve and update stock status.

Your shop inventory management project focuses on providing a streamlined solution for adding, updating, deleting, and searching products, maintaining precise stock records, and facilitating basic inventory operations through a simple interface suitable for beginners and small businesses.

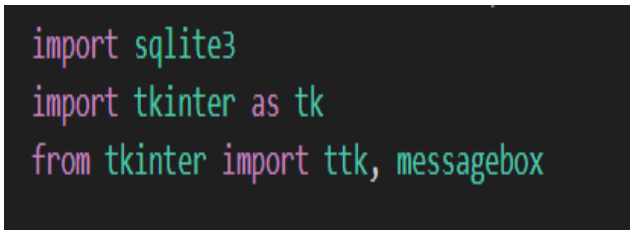
FEATURES:

- Add new products with name, ID, category, price, and quantity
- Display current inventory with detailed product information
- Update product details (quantity, price)
- Delete products from inventory
- Search for products by name or ID
- Simple, menu-based interface for easy navigation



TECHNOLOGIES/TOOLS USED:

- Programming Language: Python (recommended for beginners)
- Data Storage: simple database (SQLite)
- Interface: Command line (Terminal-based)
- GUI: Tkinter



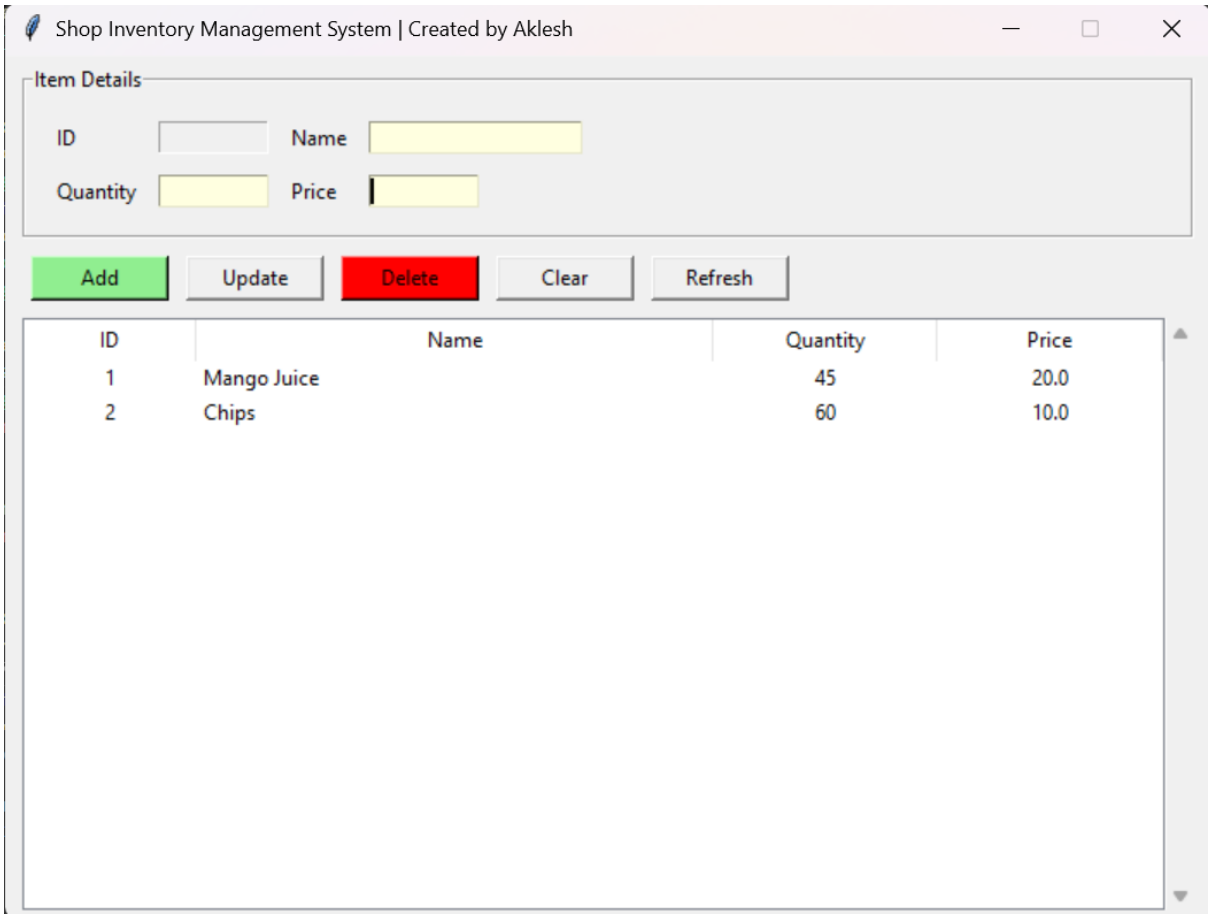
STEPS TO INSTALL AND RUN:

1. Download or clone the code repository to your local machine.
2. Ensure Python is installed—version 3.7 or higher is recommended.
3. Open the project folder and locate the main Python file (Mini project.py).
4. Open a terminal/command prompt in the project directory.
5. Run the program using:

   python Mini_project.py

INSTRUCTION FOR TESTING:

- Add sample products using the “Add” function.
- List products to verify they appear in the inventory.
- Update and delete product entries, confirming changes are reflected.
- Perform searches to check retrieval accuracy.
- Review the data file to ensure information is saved correctly after each operation.



Like this we can add, delete, clear and update the items.

THANK YOU