



System Setup and Usage **Documentation**

Overview

This POS system provides functionality for sales transactions, inventory management, and accounting with a user-friendly interface. It features a dial pad for cash tender, automatic change calculation, and receipt printing.

Requirements

- Python 3.x

- Tkinter (included in standard Python installation)
- SQLite3 (included in standard Python installation)

Setup

- Initialize the Database, Run the Database Initialization Script "initialize_database.py"
- Run the POS system "pos.py"

Usage Instructions

- Login Screen

Enter Username and Password:

Admin: Username = admin, Password = adminpass

User: Username = user, Password = userpass

Login:

Click the "Login" button to access the POS system.

- Sales Tab

- Select Item and Quantity:

Select an item from the dropdown menu.

Enter the quantity of the item.

- Add to Cart:

Click the "Add to Cart" button to add the selected item and quantity to the cart.

- Enter Cash Tender:

Use the dial pad to enter the cash tendered or type it directly into the "Cash Tender" entry field.

- Checkout:

Click the "Checkout" button to process the transaction. The change will be calculated and displayed.

- Print Receipt:

Click the "Print Receipt" button to generate a receipt in receipt.txt.

Inventory Tab (Admin Only)

- Add Item:

Enter the item name, quantity, and price.

Click the "Add Item" button to add the item to the inventory.

- Update Item:

Select an item from the inventory list.

Modify the item details.

Click the "Update Item" button to update the item in the inventory.

- Delete Item:

Select an item from the inventory list.

Click the "Delete Item" button to remove the item from the inventory.

- Accounting Tab (Admin Only)

The accounting tab displays a list of all transactions.

This tab updates in real-time after each checkout, showing the latest transaction history.