End User Documentation: POS Lite

Overview

POS Lite is a lightweight point-of-sale application designed for small businesses. It allows users to manage inventory, process sales, and generate reports, all in an offline environment.

Features

1. **Inventory Management**:
   - Add new products with name, quantity, and price.
   - Update existing products.
   - View a table of all products in inventory.
2. **Sales Processing**:
   - Sell products by selecting them via Product ID.
   - Automatically updates inventory after sales.
   - Calculates total cost for transactions.
3. **Reports**:
   - Generate sales reports for a specified date range.
   - View sales details, including product name, quantity, total, and sale date.

System Requirements

- **Operating System**: Windows, macOS, or Linux
- **Python Version**: 3.8 or higher (if using source code)
- **Disk Space**: ~50 MB

Installation

1. **Executable**:
   - Download the executable file from the provided link.
   - Double-click the file to run (on macOS, you may need to allow the app in System Preferences).
2. **Source Code**:
   - Clone the repository:

     ```bash
     CopyEdit
     git clone https://github.com/your-repo-link/POSLite.git
     ```

o   Navigate to the folder:

```bash
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cd POSLite
```

o   Install dependencies (optional, but included in standard Python):

```bash
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pip install tkinter sqlite3
```

o   Run the program:

```bash
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python main.py
```

How to Use

1. Inventory Management

- Add a Product:
  1. Go to the **Inventory** tab.
  2. Enter the product name, quantity, and price.
  3. Click **Save Product**.
- Update a Product:
  1. Select a product from the inventory table.
  2. Modify the fields in the form.
  3. Click **Update Product**.

2. Process Sales

- Go to the **Sales** tab.
- Enter the Product ID and Quantity.
- Click **Sell** to complete the sale. Inventory is automatically updated.

3. Generate Reports

- Go to the **Reports** tab.
- Enter the start and end dates.
- Click **Generate Report** to view and export sales for that period.

Troubleshooting

- **Cannot open the app**: Ensure your operating system allows running executables (macOS: allow in System Preferences).
- **Error: Not enough inventory**: Check the stock level in the **Inventory** tab.
- **Database issues**: Delete `pos_lite.db` and restart the app to recreate a clean database.

Support

- For help, visit: [Streamline Core Initiative](#)
- Contact: `contact.us@streamlinecoreinitiative.org`