S.R. Agency Software

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1. Introduction

S.R. Agency is a powerful and intuitive desktop application designed for small to medium-sized businesses to streamline their sales, purchasing, and inventory management. With a modern user interface and robust backend, it provides a comprehensive solution for all your business needs.

1.1. Core Features

- **Modular Design:** Separate, dedicated modules for Sells and Purchases for a clean and organized workflow.
- **Inventory Management:** A centralized system for tracking stock levels, which are automatically updated with every transaction.
- **Automated Billing:** Generate professional, GST-compliant PDF invoices for both sales and purchases.
- **Data-Driven Insights:** An integrated analysis module to visualize sales trends, track customer spending, and identify top-performing products.
- **Secure Data Backup:** A one-click backup feature to securely save your business data to Google Drive.
- **User-Friendly Interface:** Built with a modern dark theme and intuitive controls for a seamless user experience.

■ Modular Design	■ Inventory Management
■ Automated Billing	■ Data-Driven Insights
■ Secure Data Backup	■ User-Friendly Interface

2. Getting Started

2.1. System Requirements

Before you begin, ensure your system meets the following requirements:

- Operating System: Windows 10 or later.
- Python Version: Python 3.10 or newer.
- Dependencies: All required libraries are listed in the requirements.txt file and can be installed via pip.

2.2. Installation

1. Download the Software

Obtain the S.R. Agency folder containing all the application files.

1. Install Dependencies

Open a command prompt or terminal, navigate to the S.R. Agency directory, and run:

```
pip install -r requirements.txt
```

2. Launch the Application

Run the main.py file to start the software:

```
python main.py
```

3. The Main Window: Your Dashboard

When you launch the application, you are greeted by the main window, which serves as your central dashboard.

• Mode Selection: At the top, you'll find a dropdown menu to switch between the Sells and Purchase modules. This is the primary way to navigate the application.

UI Overview:

- Navigation bar with module selector
- Quick access toolbar with common actions
- Main content area displaying current module
- Status bar showing inventory summary and notifications

4. The Sells Module: Managing Your Sales

The Sells Module is your all-in-one solution for handling customer sales, from creating bills to tracking payments.

4.1. Creating a New Bill

1. Customer Information

Enter the Customer Name. If the customer is new, the system will prompt you to enter their details (Address, GSTIN, etc.), which will be saved for future use. For existing customers, suggestions will appear as you type. The Bill No. and Date are automatically filled in but can be edited if needed.

2. Adding Items to the Bill

In the Product Name field, start typing the name of the product. A list of suggestions from your inventory will appear. Enter the Qty (quantity) being sold. The system will automatically check for available stock and alert you if the inventory is low. Click the '■ Add Item' button. The item will be added to the bill, and the system will calculate the rate, GST, and total amount based on the data in your inventory_master.csv file.

3. Finalizing the Bill

The Grand Amount, Previous Due, and Net Total are calculated and displayed at the bottom. Enter the Amount Paid by the customer. Click the '■■ Print Bill' button to generate a professional PDF invoice and update the customer's transaction history.

4.2. Recording a Payment

If a customer is making a payment on a previous balance without a new purchase:

1. Enter the Customer Name.
2. Enter the amount in the Amount Paid field.
3. Click the '■ Record Payment' button. This will update the customer's balance without generating a new bill.

4.3. Analyzing Sales Data

The "■ Analyze" button opens a new window where you can gain insights into your sales performance.

Date Range Selection: Choose a date range for your analysis (e.g., Today, Last Week, Last Month).

Customer Analysis: View a customer's complete transaction history, spending habits, and total profit generated.

Spending Analysis: A visual chart displays the customer's spending over time, helping you identify trends and key purchasing periods.

Sample Monthly Sales Data

Month	Sales (■)	Growth %
January	25,000	5%
February	28,500	14%
March	32,000	12%
April	35,500	11%
May	38,000	7%
June	42,000	11%

5. The Purchase Module: Managing Your Purchases

The Purchase Module mirrors the Sells Module but is tailored for recording purchases from your suppliers.

5.1. Recording a New Purchase

1. Supplier Information

Enter the Supplier Name. If the supplier is new, you'll be prompted to enter their details, which will be saved. Fill in the Bill No. from the supplier's invoice and the Date.

2. Adding Purchased Items

Enter the Product Name, HSN Code, Qty, Purchase Rate, Sells Rate, and GST %. If the product is new, it will be automatically added to your inventory_master.csv file. If it's an existing product, its stock level and rates will be updated. Click '■ Add Item' to add it to the purchase list.

3. Saving the Purchase

After adding all items, click the '■ Save Purchase' button. This will update your inventory, save a PDF of the purchase invoice in the supplier's folder, and record the transaction in the supplier's transactions.csv file.

5.2. Supplier Analysis

Clicking the "■ Search" button next to the supplier's name opens an analysis window similar to the customer analysis, allowing you to view your purchase history and spending with that supplier.

Sample Supplier Purchase Distribution

Supplier	Purchases (■)	Percentage
Supplier A	35,000	35%
Supplier B	25,000	25%
Supplier C	20,000	20%
Supplier D	10,000	10%
Others	10,000	10%

6. Advanced Features

6.1. Data Backup

In the Purchase Module, you will find a "■ Backup" button. Clicking this will:

• Create a .zip file of your entire data folder, which includes all customer information, supplier information, and transaction histories.

• Securely upload this file to your linked Google Drive account.

• Delete the previous day's backup from Google Drive to save space.

This ensures your valuable business data is always safe and recoverable.

6.2. In-place Editing

In both the Sells and Purchase modules, you can directly edit the quantity or rate of an item in the bill by clicking on the cell in the table. The totals will automatically recalculate.

7. File Structure Explained

main.py	The entry point of the application.
config.py	A centralized file for managing all file paths and settings.
/modules	Contains the core logic for each part of the application.
home_page.py	Manages the main window and module switching.
sells_module.py	All functionality for the Sells screen.
purchase_module.py	All functionality for the Purchase screen.
analyze.py	Handles all data analysis and report generation.
backup.py	Manages the backup process to Google Drive.
/data	The heart of your business data.
inventory_master.csv	The central file for all your products and their stock levels.
/customers	Contains a folder for each customer, with their info.txt, transactions.csv, and all generated bills.
/suppliers	Contains a folder for each supplier, with their info.txt, transactions.csv, and all purchase invoices.

Conclusion

We hope this documentation helps you make the most of the S.R. Agency Software. This comprehensive solution is designed to streamline your business operations, from sales and purchasing to inventory management and data analysis.

For any further assistance, please feel free to reach out to our support team at support@sragency.com or visit our online knowledge base at https://support.sragency.com.