

Moonberry Pastry and Milktea Inventory System

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Introduction

The Moonberry Pastry and Milktea Inventory System is a Python-based application developed to improve the efficiency of managing both inventory and employee data within the Moonberry business. It provides a reliable, organized, and automated solution for monitoring pastry ingredients, powdered flavors, and other essential supplies. The system minimizes manual errors and helps the management make timely decisions regarding restocking and employee performance.

With its secure login and logout feature, only authorized users can access the system, ensuring data privacy and control. The system also offers CRUD (Create, Read, Update, Delete) operations for both employee records and product inventories, allowing easy modification and retrieval of information. Additionally, users can leave comments or feedback on employee performance to promote productivity and accountability.

A key feature of the system is its ability to track inventory levels in real time and visually display low-stock products through graphs. This visual representation helps the management identify shortages quickly and maintain a stable supply of ingredients and flavors. Overall, the Moonberry Pastry and Milktea Inventory System serve as a practical and modern solution that simplifies daily operations, enhances data accuracy, and supports effective business decision-making.

System Functionalities

- **Login and Logout:** Provides secure user authentication and session control.
- **Employee Management:** CRUD operations for employee details and descriptions; allows adding comments or feedback on employee performance.
- **Product Management:** CRUD operations for powdered flavors and pastry ingredients; enables easy tracking and updating of product stocks.
- **Inventory Monitoring:** Displays stock levels and identifies low-stock items through graphical visualizations.
- **Dashboard Overview:** Summarizes key data such as total products, available stocks, and low-stock alerts for efficient inventory supervision.