

The background features three vertical stripes on the left: a wide pink stripe, a medium blue stripe, and a narrow light beige stripe. The rest of the background is a light beige color with a pattern of small, semi-transparent pink dots arranged in a grid-like fashion, with some dots missing to create a sparse effect.

RETAIL MANAGEMENT SYSTEM

**A Comprehensive Solution for Inventory, Billing, and Employee
Management**

OVERVIEW

- Introduction
- Problem Statement
- Stock Management
- Invoice Generation
- Employee Tracking
- Technical Details
- Conclusion

PROBLEM STATEMENT

In today's competitive retail landscape, success hinges on efficient operations. Unfortunately, many businesses struggle with manual processes and outdated systems that lead to inaccuracies, delays, and decreased productivity. These inefficiencies can translate to lost sales, frustrated customers, and difficulty making informed decisions. This presentation introduces the Retail Management System (RMS) GUI, a solution designed to address these challenges and empower retailers with a comprehensive suite of tools for a smoother and more profitable future.

PROPOSED SOLUTION

The RMS GUI is a user-friendly software designed to tackle these challenges. It acts as a central hub for managing your inventory, sales, and employees. Imagine:

- **Effortless Inventory Control:** Track stock levels in real-time and automate reordering to avoid stockouts.
- **Faster Checkouts:** Generate receipts and manage customer information with ease, streamlining the sales process.
- **Simplified Employee Managements:** Keep track of employee details and schedules, potentially even managing payroll.

The RMS GUI simplifies these core functions, boosting efficiency and accuracy in your retail operations.

EMPLOYEE MANAGEMENT

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Profile

Sales

Employees

Inventory

Logout

About

Retail Management System

Search for an employee

Search

	Name	Username	Email	Age	Gender	Role
1	Prasanth	prasanth	test@gmail.com	19	Male	Admin
2	John Doe	john_doe	john@example.com	30	Male	Employee
3	Mike Smith	mike_smith	mike@example.com	45	Male	Employee
4	Emily Wilson	emily_wilson	emily@example.com	33	Female	Employee
5	David Miller	david_miller	david@example.com	38	Male	Employee
6	Susan Jones	susan_jones	susan@example.com	29	Female	Employee
7	Peter Brown	peter_brown	peter@example.com	50	Male	Employee

Update

INVENTORY CONTROL

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Retail Management System

Search for a product

Search

	ProductId	Name	Category	Description	Stock	Price
1	5	Apple	Food	A Fresh Red Apple	100	0.99
2	6	Banana	Food	A Ripe Yellow Banana	150	0.50
3	7	Bread	Food	A Loaf Of Whole Wheat Bread	80	2.99
4	8	Milk	Food	A Gallon Of Organic Whole Milk	60	3.49
5	9	Eggs	Food	A Dozen Free-Range Eggs	90	2.99
6	10	Cheese	Food	A Block Of Cheddar Cheese	40	5.99
7	11	Chicken Breast	Food	A Pack Of Boneless Chicken Breasts	30	9.99
8	12	Orange Juice	Food	A Carton Of Fresh Orange Juice	50	3.99
9	13	Yogurt	Food	A Cup Of Greek Yogurt	70	1.50
10	14	Pasta	Food	A Package Of Spaghetti Pasta	100	1.99

Update

TECHNICAL STACK

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Frontend: PyQt5

- **Description:** Python bindings for Qt libraries, used to develop cross-platform applications with a native look and feel.

Database: MySQL

- **Description:** Open-source relational database management system known for reliability, performance, and ease of use.

CONCLUSION

The Retail Management System (RMS) GUI streamlines inventory management, invoice generation, and employee tracking, offering a user-friendly and efficient solution for retailers. Leveraging PyQt5 for the interface and MySQL for data management, it ensures reliable performance and enhanced operational efficiency. Future enhancements will further expand its capabilities, making it an essential tool for retail businesses.

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THANK YOU