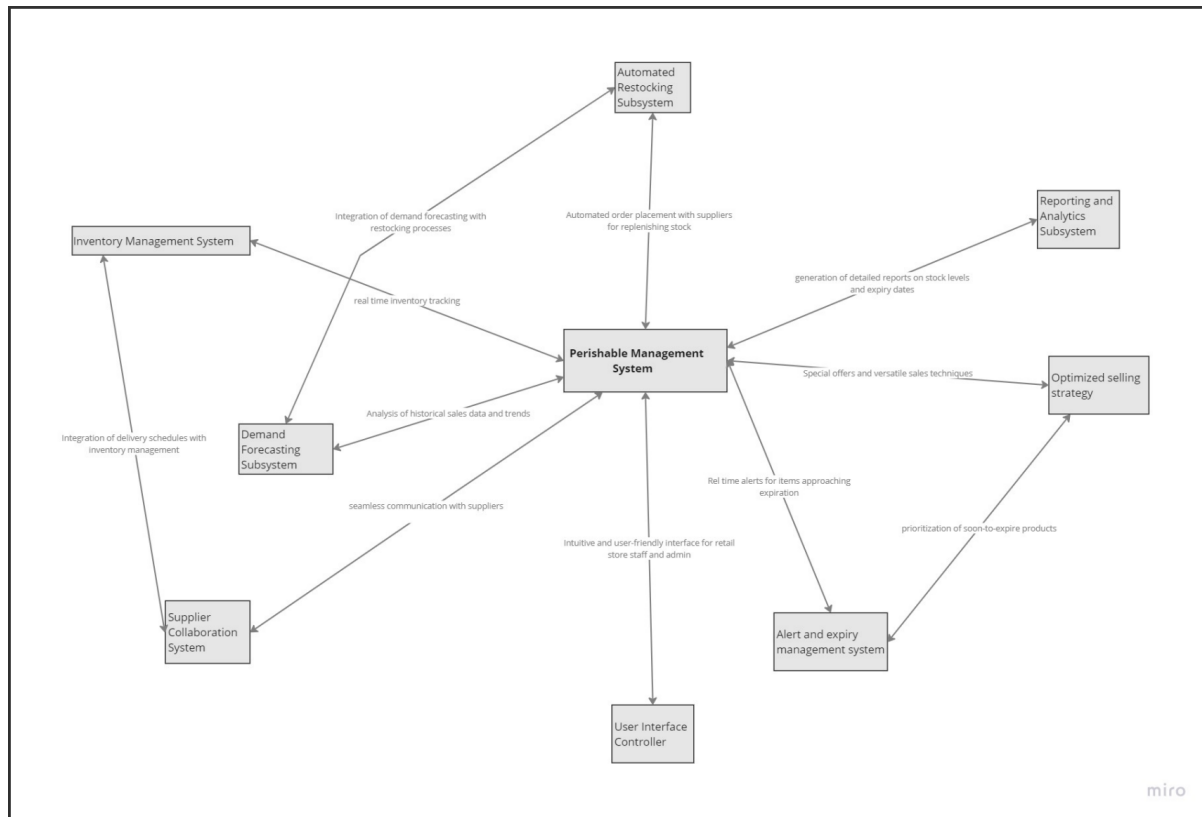


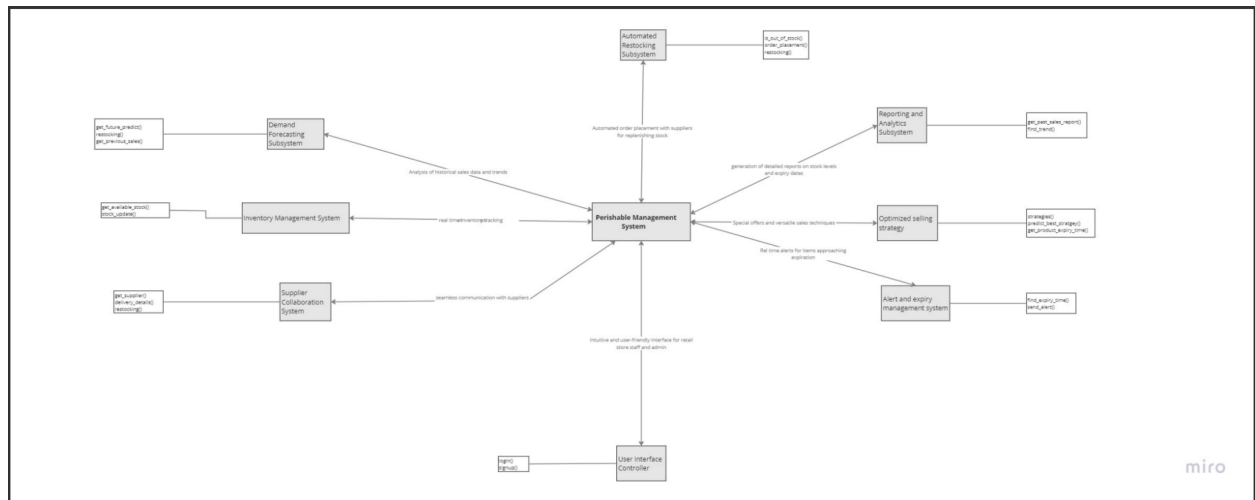
# DESIGN DOCUMENT : PERISHABLE MANAGEMENT SYSTEM

## Decomposition Diagram:



The Perishable Management System for Retail Stores is a comprehensive software solution designed to optimize the management of perishable goods. It comprises key subsystems such as Inventory Management, Demand Forecasting, Supplier Collaboration, and more, all working together to ensure real-time tracking, demand prediction, supplier communication, and quality control. This integrated approach minimizes waste, prevents stockouts, and enhances overall retail efficiency. The system also features an intuitive user interface, reporting and analytics tools, and automated restocking for seamless operation.

## Dependency Decomposition Diagram :



The dependency decomposition diagram outlines the Perishable Management System's modular structure. It showcases nine interconnected subsystems, each responsible for specific functions. These functions include real-time inventory tracking, demand forecasting, supplier collaboration, alert and expiry management, reporting and analytics, integration with existing systems, user-friendly interfaces, quality assurance, and automated restocking. This modular design ensures seamless communication and cooperation between subsystems, optimizing perishable goods management and enhancing retail efficiency.