

# **PROBLEM STATEMENT: Grocery Store Management System**

## **Introduction**

The Grocery Management System is designed to provide grocery store managers with a comprehensive and intuitive tool to oversee and optimize store operations. This system will include various dashboards and features to streamline tasks related to inventory and order management, as well as provide valuable insights through data visualization and related articles.

## **Project Key Features Summary (Manager Login)**

### **Dashboard:**

- Provides a high-level overview with quick access to key metrics and performance indicators.

### **Detailed Dashboard:**

- Allows managers to drill down into specific data points and analyze trends in-depth.

### **Task Creation: 2**

Enables managers to create and manage tasks, categorized into:

- **Order-Related Tasks:** For placing and tracking orders with suppliers.
- **Stock-Related Tasks:** For managing inventory levels, including restocking and stock audits.

### **Stock Overview Dashboard & Order in Demand Dashboard:**

- **Widget View:** Interactive widgets displaying real-time data on stock levels, low stock alerts, and inventory turnover rates.
- **Summary Data:** Key statistics and metrics summarized in an easy-to-read format.
- **Graphical Representation:** Visual charts and graphs to quickly understand stock trends and patterns.
- **Last Created Record:** Displays the most recently created stock-related task or record for quick reference.

### **Related Articles for Food and Safety Blogs:**

- **Yearly View:** Collection of articles and blogs related to food safety, organized by year for easy navigation.
- **Detailed View:** Each article has a dedicated page with a structured layout, providing in-depth information and insights on various food safety topics.

### **Tech Stack:**

- Angular
- HTML, CSS, JS
- Material UI(optional)

### **Modules:**

## **Project Requirement: Module by Module**

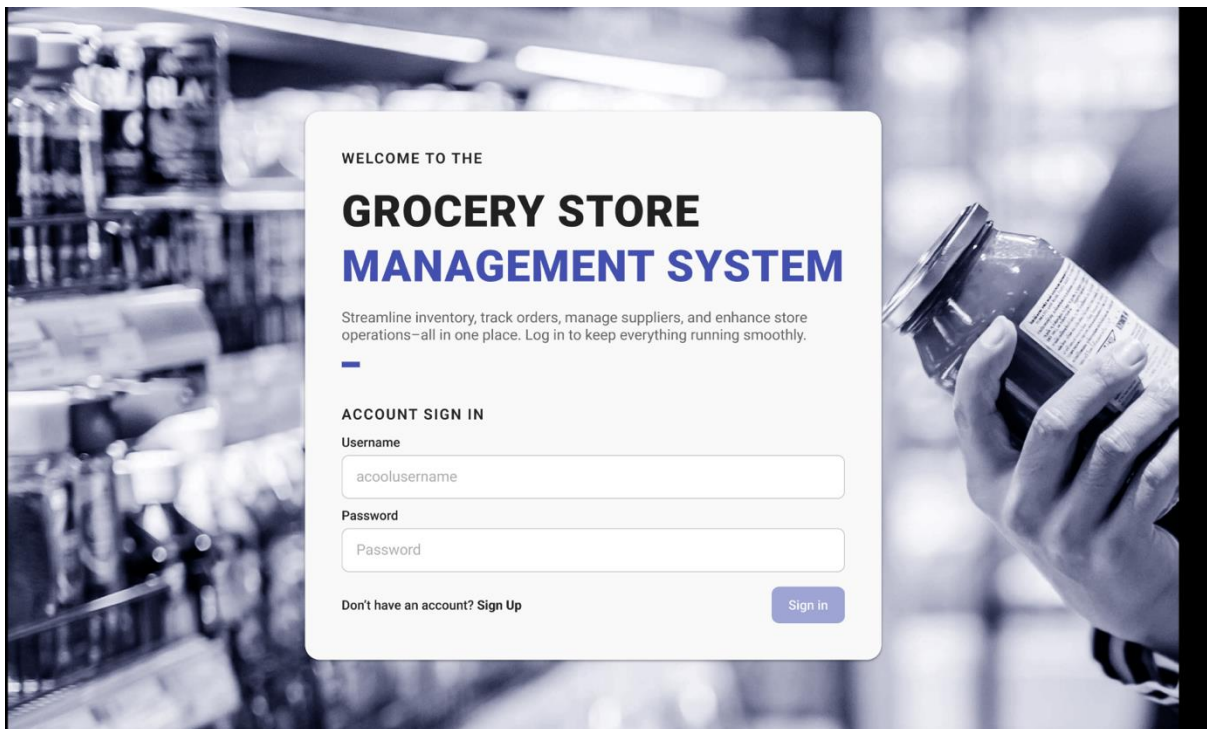
### *Sign-In & Dashboard Page*

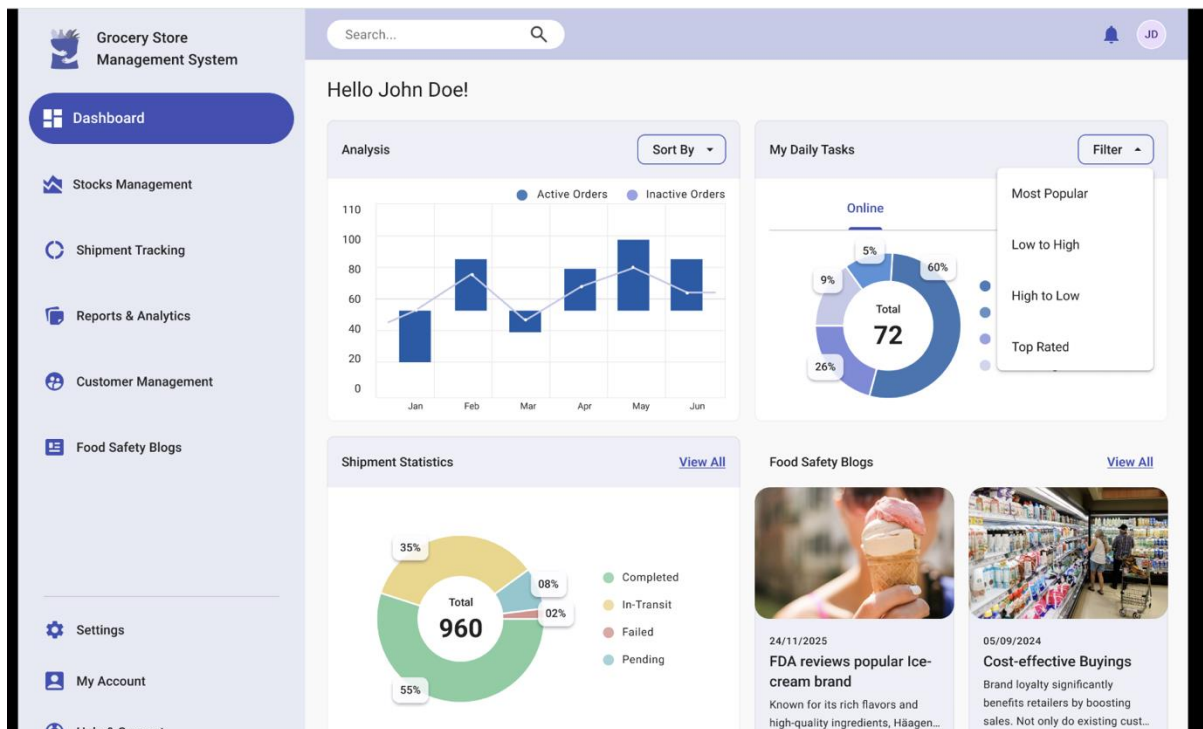
#### **Sign-In Interface:**

- Develop an engaging sign-in interface for Store Managers that seamlessly transitions to the dashboard.

### Dashboard Components:

- **Bar Chart:**
  - Display analysis reports of active and inactive orders.
  - Sortable by weekly, monthly, and yearly data.
  - Interactive design that updates upon changing the filter.
- **Pie Chart:**
  - Represent offline and online data trends.
  - Include sorting options such as most popular, least popular, high to low, and low to high.
  - Allow switching between tabs for different data views.
- **Reusable Chart Component:**
  - Ensure all chart components are reusable with customizable parameters.
- **Shipment Statistics:**
  - Create a pie chart widget using the reusable component.
  - Display data for statuses: completed, pending, in-transit, and failed.
  - Include a "View All" link.
- **Sample Food Blog Section:**
  - Develop a reusable component for the food blog section.
  - Include a "View All" link.





## Navigation and Enhanced Shipment Tracking

### Header and Navigation Bar:

- Incorporate a comprehensive header and left navigation bar with existing options.
- Ensure a sign-out feature at the top right corner.

### Routing:

- Ensure proper routing for all left navigation links.
- Implement sign-out functionality that redirects to the sign-in page.

### Collapsible Navigation Bar:

- Implement a collapsible left navigation bar controlled by an icon in the top left corner.

### Detailed Map View:

- On clicking the "View All" link in Shipment Statistics, navigate to a table view page.
- Include tabs for All, In-Transit, Pending, Completed, and Failed shipments.
- Ensure the table is a reusable component with first and last columns frozen and pagination functionality.

### Map View:

- On clicking the "View Map" link, navigate to a landing page with a default map view.
- Display selected shipper details and a list of the latest shipment details on the right side, allowing selection between shipment details.

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Map Overview

Shipper Code  
7568901  
Shipper Name  
Dominic Toretto

Delivery Date  
21 Feb 2025  
Phone Number  
(702) 555-0122

Shipper Code  
7568901  
Shipper Name  
Roman Pearce

Delivery Date  
21 Feb 2025  
Phone Number  
(702) 555-0122

Shipper Code  
7568901  
Shipper Name  
Connor O'Brian

Delivery Date  
21 Feb 2025  
Phone Number  
(702) 555-0122

Shipper Code  
7568901  
Shipper Name  
Mia Toretto

Delivery Date  
21 Feb 2025  
Phone Number  
(702) 555-0122

Shipper Code  
7568901  
Shipper Name  
Verol Kearce

Delivery Date  
21 Feb 2025  
Phone Number  
(702) 555-0122

Shipper Code  
7568901

Delivery Date  
21 Feb 2025

## Detailed Task/Stock Management

### Overview:

- Provide a comprehensive overview of all tasks/stocks.

### Table Display:

- Display a table as per Figma design, showing all statuses.
- Include an edit option and pagination for 10 records per page.

### Sort and Filter Functionalities:

#### Sort By Dropdown:

- Implement a dropdown for sorting based on any column.

### Filter By Popup:

- Introduce a filter by popup with column dropdowns and a text box for specific input. [OBJ]

### Edit Modal:

- Allow data pre-population upon clicking the edit button.
- Open an editing modal that can also be used for creating tasks/stocks.

Consumer	Product	Supplier	Date of Entry	Quantity	Price	Selling Price	Cashier	Status	Action
Dominic Toretto	Muesli Original	Kellogs	19 Feb 2025	526	₹ 219	₹ 219	Brian O'Conner	Completed	<a href="#">Edit</a>
Roman Pearce	Muesli Original	Kellogs	19 Feb 2025	526	₹ 219	₹ 219	Brian O'Conner	Closed	<a href="#">Edit</a>
Roman Pearce	Liquid Handwash	Kellogs	19 Feb 2025	526	₹ 219	₹ 219	Brian O'Conner	Closed	<a href="#">Edit</a>
Roman Pearce	Muesli Original	Kellogs	19 Feb 2025	526	₹ 219	₹ 219	Brian O'Conner	Failed	<a href="#">Edit</a>
Verol Kearce	Muesli Original	Kellogs	19 Feb 2025	526	₹ 219	₹ 219	Brian O'Conner	Completed	<a href="#">Edit</a>
Roman Pearce	Muesli Original	Kellogs	19 Feb 2025	526	₹ 219	₹ 219	Brian O'Conner	Pending	<a href="#">Edit</a>
Roman Pearce	Muesli Original	Kellogs	19 Feb 2025	526	₹ 219	₹ 219	Brian O'Conner	Closed	<a href="#">Edit</a>
Verol Kearce	Muesli Original	Kellogs	19 Feb 2025	526	₹ 219	₹ 219	Brian O'Conner	Pending	<a href="#">Edit</a>
Dominic Toretto	Muesli Original	Kellogs	19 Feb 2025	526	₹ 219	₹ 219	Brian O'Conner	Failed	<a href="#">Edit</a>

### Inventory Management

#### Overview Page:

- Design a page featuring an overview of stocks and a high-demand orders section.

#### Data Retrieval:

- Retrieve summary data effectively.

#### Graphical Representation:

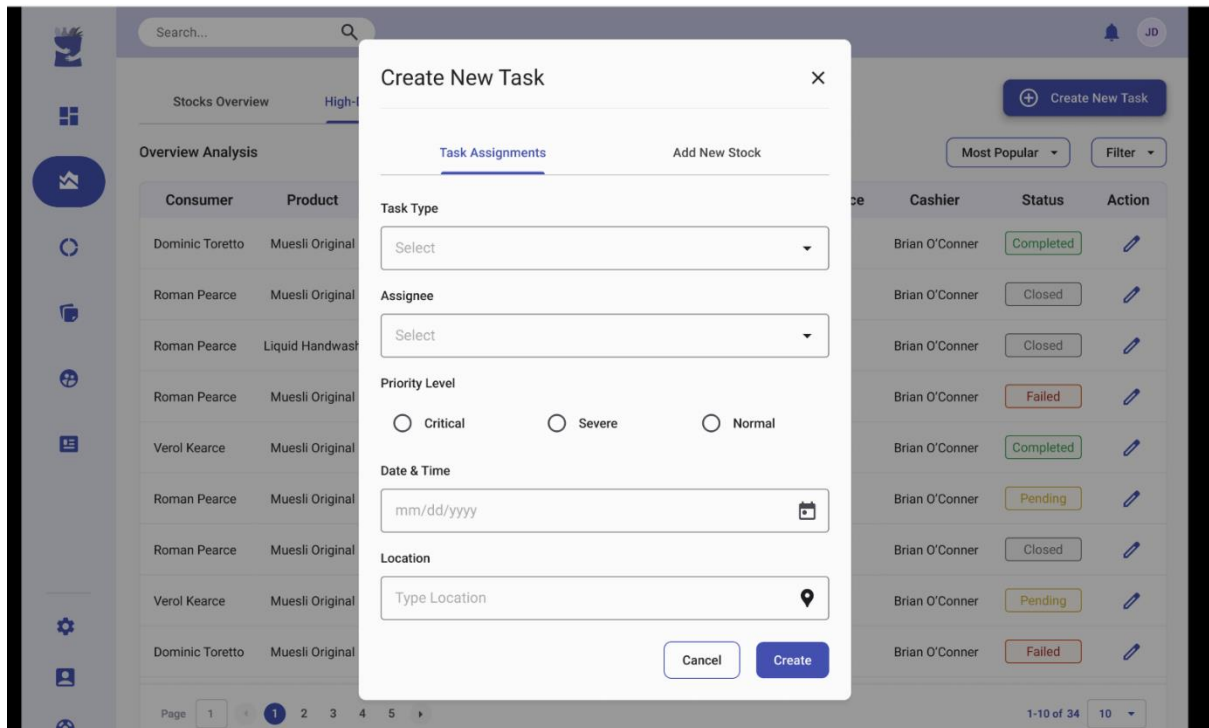
- Represent total orders graphically.
- Sortable by availability and stock status across daily, weekly, monthly, and yearly views.

#### Newly Added Stock Information:

- Offer basic information on newly added stock inventory.
- Include a "View All" link leading to a dedicated page.

#### Task and Stock Creation:

- Facilitate task and stock creation via form submissions.



### *Food Safety Blog Posts*

#### **Design Alignment:**

- Design a page that aligns with provided designs, featuring a yearly selection filter.

#### **Dynamic Content Update:**

- Dynamically update blog content upon selecting a year.

#### **Detailed Page Views:**

- Deliver detailed page views in various formats as outlined in the Figma design.



