

STORY 1 – BUSINESS INSIGHTS & ANALYSIS

1. Case Study Title:

Inventory Management & Stock Performance Analysis

2. Objective of the Case Study:

To analyze product stock levels, supplier contribution, category-wise stock distribution, product expiry status, and overall inventory health in order to support effective purchasing decisions, timely reordering, and reduce stockouts or wastage.

3. Key KPIs / Metrics Analyzed:

KPI 1: Total Quantity in Stock

KPI 2: Reorder Level and Low-Stock Items

KPI 3: Days to Expiry & Expired Items

KPI 4: Total Inventory Value

KPI 5: Stock Distribution by Category & Supplier

4. Insights Observed:

Insight 1 – Category-wise Stock Distribution:

Grocery, Personal Care, and Bakery products contribute the highest stock levels. Cleaning, Beverages, and Snacks have the lowest stock.

Insight 2 – Supplier Contribution:

CareLine and Agro Foods are the top suppliers. Sparkle Ltd and Golden Farms supply minimal stock.

Insight 3 – Low Stock Items:

Products such as Apples, Detergent, and Bread show Low Stock status and require immediate restocking.

Insight 4 – Expiry Analysis:

50% of the products in the expiry report are expired, indicating poor inventory rotation.

Insight 5 – Inventory Trend by Month:

Stock trend from January to December shows a decline, indicating high movement or low restocking.

Insight 6 – Overall Inventory Value:

Total inventory value is ■286K.

5. Business Value / Decision Making:

Business Impact 1: Prevent stockouts and revenue loss through timely reordering.

Business Impact 2: Reduce wastage using expiry insights and better planning.

Business Impact 3: Optimize suppliers by focusing on high-volume contributors.

Business Impact 4: Improve category management using stock distribution insights.