**Assignment Task 1**

**Project Scope and Proposal**

**\*** This document is for the project ‘**Supermarket Inventory Management System for deli section (SIMSd)’** which includes the project idea, its main functionality, the goal and objectives of the project.

# Stakeholders

Product Owner: Supermarket Manager John Doe.

Project Manager: Peter Jackson

End User: Management Team, Sales Team, In-store items producer

# Project Vision

**For** management team and sales team

**Who** ‘d like to provide reliable products and improve customer’s satisfactions

**THE** Supermarket Inventory Management System for deli section (SIMSd.)

**IS A** powerful and easy-to-use tools running on any computer,

**THAT** tracking key products detail, like expiration dates, stocks and pricing and managing Suppliers.

**UNLIKE** the free-range records of piles of paper and receipt, SIMSd will speed up the statistic and decision making to match the fast-pacing market needs, also ensure compliance with food safety standards.

**For** in-store item producers

**Who** are providing fresh products.

**THE** SIMSd

**IS A** 24/7 instant stocks monitor

**THAT** helps to find out useful information, such as stocks and margin.

**UNLIKE** the traditional quantity and quality control system - guessing, SIMSd will reduce waste and improve efficiency.

With the development of ABC supermarket, SIMSd can be applied to all the branch network in the near future, strengthening the connection with supplier and customer.

# Functionalities

**Core Features**

1. In-store Items Management and Tracking: Add/Edit/Delete/Search.
2. From-Supplier items Management and Tracking: Add/Edit/Delete/Search.
3. Supplier Management - Add/Edit/Delete/Search
4. Expiration Alert - List items close to exp date/Dump/Promotion.
5. Stock & Waste Reporting – Report stock and waste’s quantity and values.

The system will differentiate two types of deli items:

1. In-Store Produced Items

e.g. daily-baked bread, fried chicken, etc.

* Item Name & Description
* Sell By Date (last day for sale)
* Use-By Date (last safe consumption date)
* Date Produced (when the item was made in-store)
* Price per Gram (variable pricing based on weight)
* Quantity in Grams (current stock weight)

**B.** Supplier-Provided Items

E.g. Yum Noodle, Farmer’s Choice Eggs, etc.

* Item Name & Description
* Sell By Date (last day for sale)
* Best Before Date (quality expiration)
* Price per Pack (fixed pricing per unit)
* Quantity in Packs (stock count)
* Supplier Information (vendor details)

# Goal and Objectives

**Goal**

Develop a reliable and efficient system for the deli section to track items fast, monitor stock and reduce waste.

**Objectives**

Reliable – System should run stably under high freq operations.

Accuracy – Ensure correct tracking with real-time updates.

User Friendly – Create a readable and friendly interface for end users.