

# Database Creation

## 1. Requirements Analysis

### 1.1. Comprehensive Supermarket Requirements

The database for the comprehensive supermarket need basically five subsystems, which are:

- Product Organization System:** Since a supermarket will sell a lot of products, it needs to be able to accurately identify each item.
- Product Supply System:** A supermarket must have a source of supply for its products.
- Product Sales System:** A supermarket needs to sell the products, hence need to have a large system for transaction.
- Employee Management System:** A supermarket needs employees hence need a system to manage them.
- Marketing Record System:** A supermarket needs to know how much it earns for selling, and how much it spends for maintaining this supermarket.

## 2. Implementation of Database

### 2.1. Product Organization System

#### 2.1.1. PRODUCT\_CATALOG

