

## Subject: Proposal for Point-of-Sale System Desktop Application

Proposal for the development and implementation of a Point of Sale (POS) system for a grocery shop. We have carefully assessed the requirements and our solution will effectively streamline the operations, enhance efficiency, and provide optimal user privileges for both administrators and staff.

### Project Overview:

The proposed POS system will consist of user privileges divided into two main categories: Administrator and Staff. The Administrator will have access to functions such as product management and user management, stock management while the Staff will have access to perform sales on sales dashboard.

### Features and Functionality:

#### 1. Administrator Privileges:

##### a) User Management:

- Create and manage user accounts with specific roles (e.g., Administrator or Staff).
- Assign privileges and access rights to individual user accounts.
- Update user information and passwords.

##### b) Product Management:

- Add, update, and remove products from the inventory.
- Set prices, stock quantities, and product descriptions.
- Categorize products for better organization and ease of use.
- Generate reports on product performance, sales, and inventory levels.

#### 2. Staff Privileges:

##### a) perform sales

- Create and manage bills for customer transactions.
- Add, edit, or remove items from the bill.
- Calculate and display totals (including discounts.).

### Technology and Implementation:

We propose developing a POS system using modern technologies. We will follow an iterative development approach, WPF for GUI (With MVVM pattern), SQLite for database (With Code-First Approach).