

CODE-A-THON

Functional Requirements Document Stock Management System (Small Store)

1. Introduction

1.1 Purpose

This document defines the functional requirements for a Stock Management System tailored for a small store. The application will enable users to manage inventory, suppliers, purchases, sales, and reporting with an easy-to-use interface.

1.2 Scope

The Stock Management System will allow CRUD operations for products, categories, suppliers, and transactions. It will help maintain accurate stock levels, generate reports, track low stock, and provide data backups. This system is designed to improve efficiency in day-to-day store operations.

2. Functional Requirements

The table below lists the functional requirements for the Stock Management System.

Feature	Description
User & Role Management	<ul style="list-style-type: none">User accounts for owner/manager, and staff.Roles & permissions with secure login and logout.
Product & Category Management	<ul style="list-style-type: none">CRUD products with category, unit, cost price, selling price, stock level, and supplier details.CRUD for product categories & subcategories.
Stock Control	<ul style="list-style-type: none">Record stock in/out, manage stock adjustments, receive low stock alertsTrack batches and expiry (optional).
Supplier & Purchase Management	<ul style="list-style-type: none">CRUD supplier details, manage purchase orders, goods receipt, and stock update on receiving goods.
Bill Management	<ul style="list-style-type: none">Generate invoice with discounts and tax management
Reporting & Analytics	<ul style="list-style-type: none">Generate inventory, sales, purchase, profit & loss reports. Filter by date, supplier, or product. Export to CSV/Excel/PDF.
Dashboard & UI	<ul style="list-style-type: none">Attractive dashboard with key metrics (Total

	Stock Value, Low Stock, Today's Sales). Search & filter for quick access.
Data & Backup (Optional)	<ul style="list-style-type: none"> Export/import inventory CSV, cloud or local backup, multi-device sync (optional).
Optional / Future Features (Optional)	<ul style="list-style-type: none"> Integration with barcode scanners/printers, accounting software