DATE: PAGE:

- Budget: Estimated at $30,000 covering development, testing and deployment.

27 Stock Main ~~tainan~~ nance System

Introduction

1.1 Purpose of this Document
This document defining the requirements for the stock maintenance system, outlining its functionalities, performance criteria, and design limitations to guide development.

1.2 Scope: The SMS aims to automate and streamline inventory management processes, including stock tracking, order management, and reporting.

1.3 overview: The SMS will provide features for inventory managers and staff efficient management of stock levels, supplier info and sales data.

2. General Description

The SMS is designed for inventory Managers and warehouse staff. Key features include.

- user-objectives: Efficient stock tracking
- user characteristics: users with basic computer skills and familiarity with inventory process.

DATE: PAGE:

3. Funtional Requirements

- stock tracking:- Add, update and delete stock items with quant Management.
- Order Management: process incoming and outgoing stock orders.
- Supplier Management: Main-tain a data -base of suppliers and their contact details.
- Alerts: set alerts for low stock levels and reorder points

4. Interface Requirements

- user interface - T
- Api integration
- Data streams.

5. Performance Requirements

- Response time:- System should respond within 3 seconds for user requests.
- Memory usage:- Target memory usage below 80 MB during peak operations.

DATE: PAGE:

6. Design constraints
- Technology stack:- Must be specific database
- Access control: Role based access to restrict functionalities based on user roles

7. Non-functional requirements:
- Security - implement user authentication and data protection measures
- portability: compatible with various devices
- scalability: Designed to accomodate increased inventory size

8. Preliminary schedule and Budget:
- Initial schedule: 5 months for development, testing and deployment
- Budget Estimated at 25$000 covering all aspects of project