4. Software Requirement specification for shock ~~Maintainance~~ Maintenance system.

1 Introduction:

- Purpose:

This document outlines the requirements for a shock maintanance system design to help business efficiently manage inventory levels, track shock movements and generate alerts.

- Scope:

The system will be utilized by shox managers and wharehouse staff to ensure inventory tracking and timely reshocking

- overview:

The shock management system will feature modules for inventory tracking, reshock alerts, vendor management and reporting

2. General description:

- Product perspective:

The system will Intgrate with exising Wharehouse management systems

- User characteristics:

Users will include werehouse manager, Suppliers shox manager. The interface will be simple designed for ease of use

- system constraints:

The system must be operational 24/7

3. Functional Requirements:
   - Manage vendors and suppliers relationships
   - Generate reports on stock levels
   - log stock movements
   - generate restocking notifications

4. Interface requirements:
   - web-based interface for store managers
   - Intergtion with barcodes.

5. Performance requirements:
   - system should comply with the company's existing software.
   - should be straightforward.

6. Performance requirements:
   - system should be updated every time stock movement takes place.

7. Non functional attributes:
   - security: should ensure data protection
   - scalability: capable for managing inventories across multiple werehouse locations
   - Reliability: should be 99% reliable.

8. Preliminary schedule and Budget:
   - Development Timeline: 7 months
   - Estimated budget: $50000

30/9