

# 1. Stock maintenance system

## 1. Introduction

1.1 Purpose: This document is to describe the requirements for stock maintenance system which will help businesses to maintain the stock inventory, stock level in real-time.

1.2 Scope: Automate the management of business stocks, maintaining stock levels, and managing buying and selling of stocks.

1.3 Overview: Enhancing the usability of stocks and real-time updates on the movement of stocks.

## 2. General description

- Allows business / stock holders to track stock levels.

- Reduces manual errors

- Improving stock analysis by providing real-time insights & updates on stocks.

## 3. Functional requirements

- Buy, sell or modify stocks

- Automatically, modify & generate stock orders.

- Generate report on stock movements for businesses.

- Notifies user when stock levels rise and decrease.



30/9/24

#### 4. Interface requirements:

- \* Dashboard to maintain visibility of stocks
- \* Search functionalities for searching stocks
- \* mobile/web based friendly interface.

#### 5. Performance requirements:

- \* Real time updates on stock levels without any delay less than 5 seconds.
- \* Supporting small businesses to handle multiple stocks
- \* Downtime should be least

#### 6. Design constraints:

Updating the stock levels & display on interface without any delay.

#### 7. Non-functional requirements

- \* Data encryption to securely accessing the stock.
- \* System uptime must be 24/7
- \* Accessible from multiple platforms.
- \* Network connectivity & stability.
- \* API's

#### 8. Preliminary schedule

Estimated development time: 9-10 months.

Estimated budget: \$85,000