1. Introduction

1.1 Purpose

The purpose of the stock management system is to track and manage stocks in a portfolio, including buying and selling transactions.

1.2 Scope

The system will allow users to add, update, and delete stocks from a portfolio. It will also provide functionality to record buying and selling transactions for each stock.

3. System Features and Requirements

3.1 Stock Management

- The system shall allow users to add new stocks to the portfolio.

- The system shall allow users to update stock information, including stock symbol, company

name, and price.

- The system shall allow users to delete stocks from the portfolio.

3.2 Transaction Management

- The system shall allow users to record buying transactions, including stock symbol, quantity, and price.

- The system shall allow users to record selling transactions, including stock symbol, quantity, and price.

- The system shall calculate and display the total value of stocks in the portfolio based on the transaction history.

3.3 Reporting

- The system shall provide reports on portfolio performance, including overall gain/loss, individual stock performance, and transaction history.

4. Non-functional Requirements

4.1 Performance

- The system shall be able to handle a large number of stocks and transactions efficiently.

- The system shall provide a responsive user interface with minimal latency.

4.2 Security

- The system shall implement appropriate security measures to protect user data and prevent unauthorized access.

4.3 Usability

- The system shall have a user-friendly interface with intuitive navigation and clear instructions.

- The system shall provide error handling and informative error messages to guide users in case of input errors.