

# Report

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## TRADING SHARES PORTFOLIO MANAGEMENT SYSTEM

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Project Id: P10

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Section – J2

## 1\_ PROBLEM DESCRIPTION

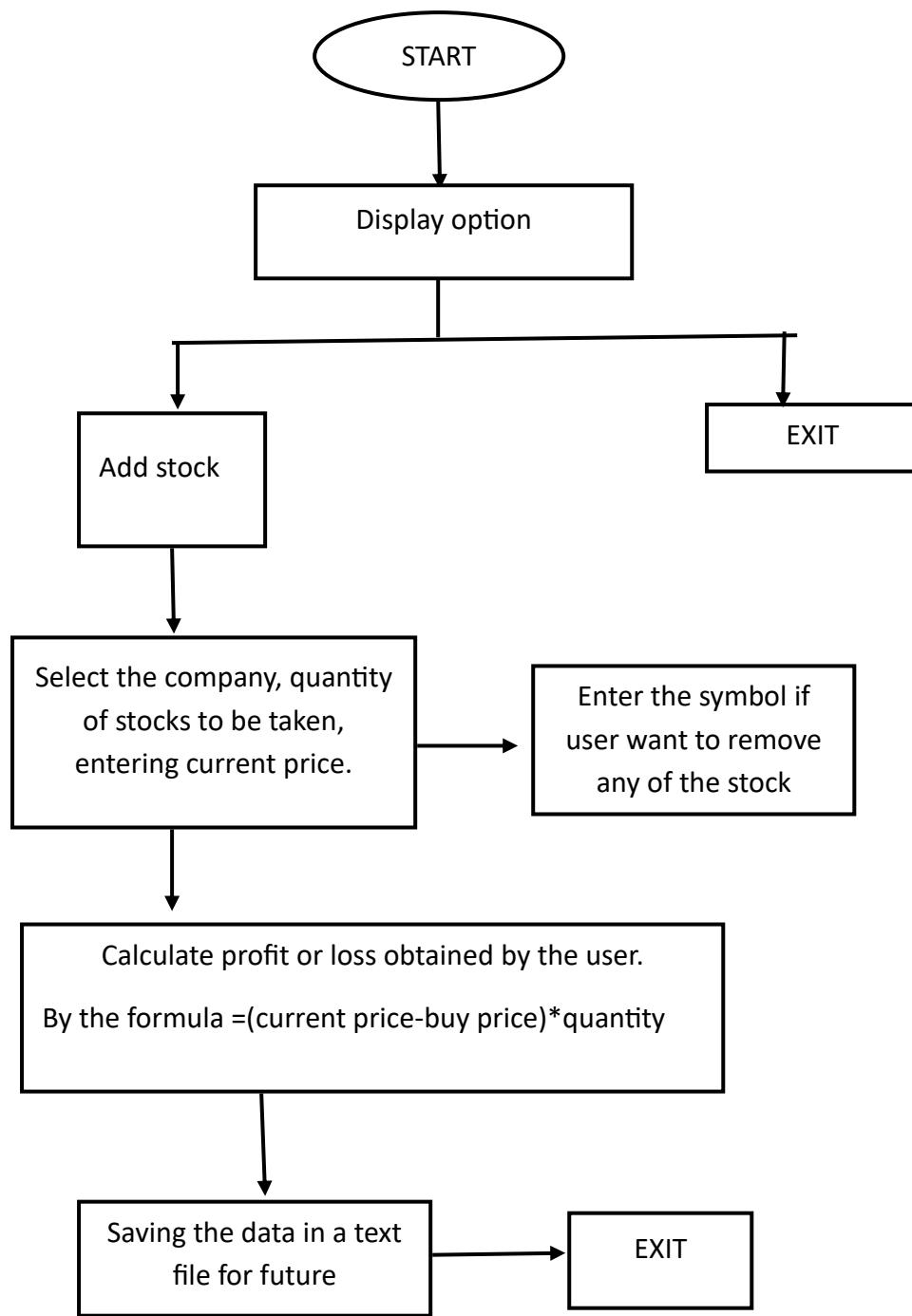
Many people buy and sell shares in the stock market to earn profit or to gain money. But keeping view on all shares they own how much they bought them for, when they buy or sold them, and how much profit or loss they are making is bit difficult.

The Trading Shares Portfolio Management System is a system that help traders to manage their investment in the stock market. It keeps the record of all the shares a person bought or sold and shows how portfolio (group of all things user have invested) is performing.

We want to build a Trading Shares Portfolio Management System that let customer:

- See which company are selling their stocks.
- Quantity of stocks available in the company.
- Buy price per stock.
- Remove any stock from there list after selection if user don't want it.
- Check for the current price of the stock.
- Check the profit/loss happened to user.
- Save the data for future purpose.

## FLOW DIAGRAM



## MODULE DESCRIPTION

### Proposed Modules:

- Stock Management Module: Allow to add new stocks to the portfolio, remove stocks from the portfolio, edit stock details (e.g., quantity, buy price).
- Portfolio Display Module: Allow to display stock details like stock name, quantity, buy price, current price.
- Profit/Loss Calculation Module: Allow user to see the total profit/loss of the full portfolio.
- Data Storage Module: Allow to save portfolio data securely in a text file.

## PLATFORM REQUIRED

(Any standard C development environment)

Visual Studio code with GCC compiler

Code::Blocks

## PROJECT OUTPUT

```
Portfolio loaded from file.

--- Stock Portfolio Menu ---
1. Add Stock from List
2. Remove Stock
3. View Portfolio
4. Save
5. EXIT
Enter your choice: 1

Available Stocks:
No  Symbol      Buy Price      Available
1   AAPL        150.00       100
2   GOOG        2800.00      50
3   MSFT        310.00       150
4   TSLA        720.00        80
5   AMZN        3400.00      40
6   NFLX        450.00        60
7   SAMSUNG     900.00        70
Select stock (1-7): 3
Enter quantity to buy (Available: 150): 50
Enter current market price: 500
Stock added to portfolio.

--- Stock Portfolio Menu ---
1. Add Stock from List
2. Remove Stock
3. View Portfolio
4. Save
5. EXIT
Enter your choice: 3

Symbol      Qty       Buy      Current      P/L
MSFT        50       310.00    500.00    9500.00
Total Profit/Loss: 9500.00
Overall Status: Profit = 9500.00

MSFT 50 310.00 500.00 9500.00
```

## CONCLUSION AND FUTURE REFERENCES

### CONCLUSION

The trading share portfolio management system built with C programming makes it easier to buy stocks while keeping accurate details. By giving important job like storing data, calculating profit and loss, stock details, etc., to the computer make it easier and smoother to perform. This project also shows how to put structure programming, file handling, function and basic C programming uses and how they work in C programming.

### FUTURE SCOPE

- Build a GUI (graphical user interface)-based version or mobile app interface.
- Add features like alerts, risk assessment for helping the user to get minimum number of losses.

### REFERENCES

- <https://www.geeksforgeeks.org/c.programming-language>
- C IN DEPTH by S.K. Srivastava and Deepali Srivastava
- *Let Us C* by Yashvant Kanetkar
- <https://sourceforge.net/>