

Project Based Learning Presentation –May-2025
(P10-Trading Shares Portfolio Management System)

By

Dhruv Bhatt

Section.:J2

Roll no.:19

University Roll no.:2418455

Under the mentorship of Ms. Pallavi Semwal



Graphic Era Hill University, Dehradun

INTRODUCTION

- Trading share portfolio management system allows users to add stocks from different companies, checking the current prices of their stocks, and see how much their investment has gained or lost (profit or loss).
- It also helps users keep a record of data that should be securely stored for future references in a text file.

TOOLS AND TECHNOLOGIES USED

- Programming Language: C
- Standard Libraries: `stdio.h`, `stdlib.h`, `string.h`
- File Handling: Text files for storing data.

DEMONSTRATION

1_ To add a stock, quantity to buy and inserting the current market price.

```
--- 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): 4
Enter quantity to buy (Available: 80): 60
Enter current market price: 4000
Stock added to portfolio.
```

2_ To remove a stock.

NOTE_: If you have selected the stock to buy then only you can remove it later on. Other wise it show stock not found since you have not taken that stock.

```
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7   SAMSUNG     900.00          70
Select stock (1-7): 4
Enter quantity to buy (Available: 80): 60
Enter current market price: 4000
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: 2
Enter symbol to remove: TSLA
Stock removed.
```



```
--- Stock Portfolio Menu ---
1. Add Stock from List
2. Remove Stock
3. View Portfolio
4. Save
5. EXIT
Enter your choice: 2
Enter symbol to remove: AMZN
Stock not found.
```

3_ To check profit/loss or overall profit/loss.

```
--- Stock Portfolio Menu ---
```

```
1. Add Stock from List
```

```
2. Remove Stock
```

```
3. View Portfolio
```

```
4. Save
```

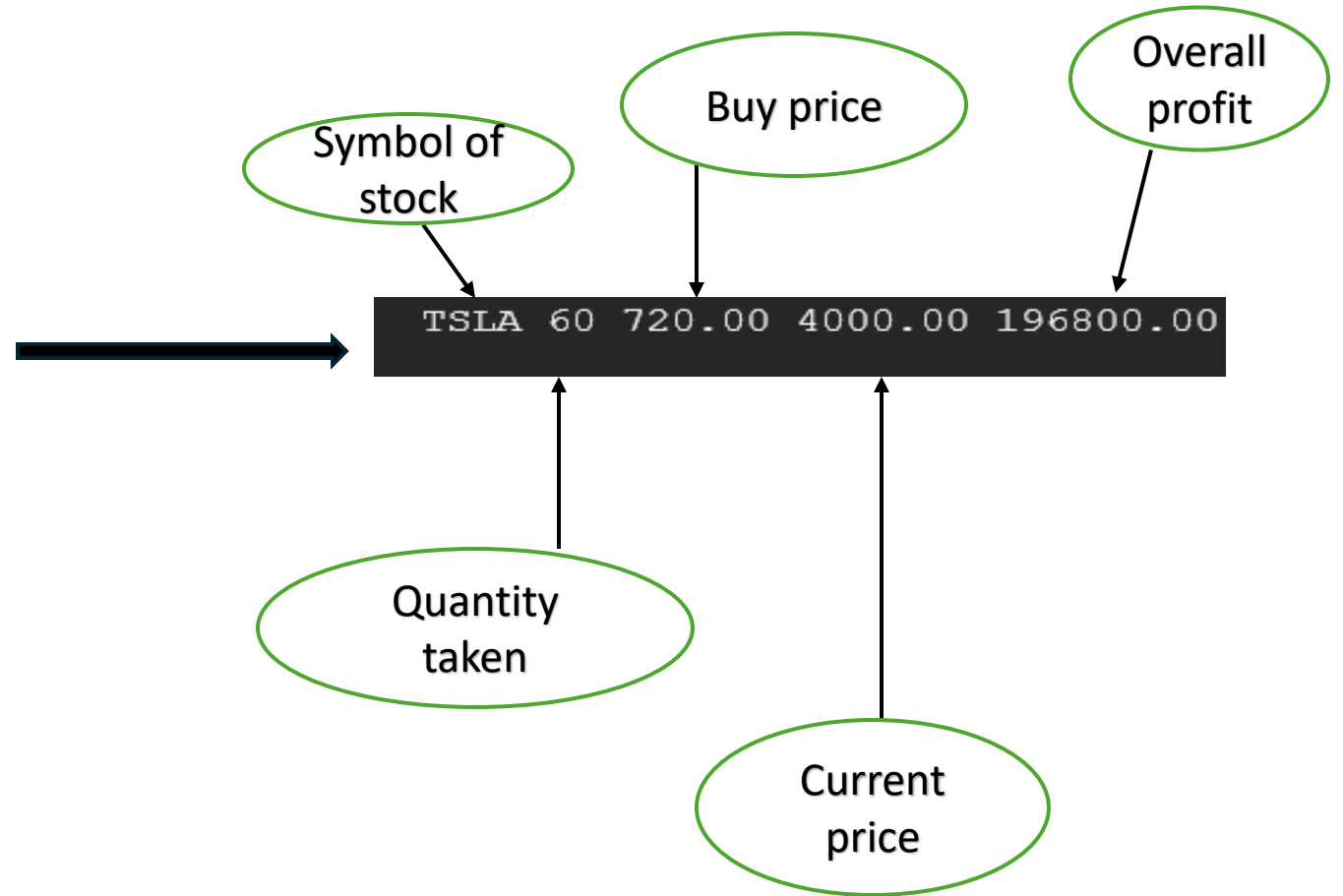
```
5. EXIT
```

```
Enter your choice: 3
```

Symbol	Qty	Buy	Current	P/L
AAPL	5	150.00	3000.00	14250.00
TSLA	60	720.00	4000.00	196800.00
Total Profit/Loss: 211050.00				
Overall Status: Profit = 211050.00				

4_ Saving the data for future purpose in a text file.

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



5_ EXIT.

FUTURE ENHANCEMENTS

- 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.

THANK YOU
