Stock Portfolio Tracker

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Introduction
Purpose of the project

- It is a console-based application built using python that allows the user to manage and track their stock portfolio.

- Main features such as - 1) Buying and selling stocks 2) viewing portfolio performance 3) Maintaining a transaction history

Features

User view :

- Buy or Sell stocks

- View their portfolio - with detailed profit/loss calculation for overall portfolio

- Check their transaction history

Admin view:

- Add or Remove stocks

- Update stock price

- Remove user and see all the portfolios

Technical Stack

- **Core python**, with no external libraries except **tabulate**

- All the data is stored in text file using **File handling**

- Modularity by **modules and classes**

Challenges and Solutions

- Profit/loss calculation

- File handling

Future Enhancements

- Add charts for stock trends

- GUI interface

- Real-time stock prices update

- Upgrade Buying and selling Mechanism- as stocks are bought and sold in real-time.

Conclusion

- The stock portfolio tracker is a robust and user friendly application for managing stock investment.

- Skills- **Python programming, file handling and modular design** learned.

Happy Investing !

Thank you .