**README**

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This assignment helps us in managing the stocks and mutual funds inventory for a person.

Just make sure to write .txt at the end of the file name.

The code works perfectly fine and has no issues

There are 5 java files:

Assignment-1: It has the main and has majority of the methods in it

Portfolio: It has the arrayLists and the methods related to arrayLists

Stack: It has the stack class and the related methods

MutualFund: It has the mutual fund class and its related methods

Investment: It is the superclass

**STEPS TO COMPILE:**

Once you are in amedirat\_a2, compile using the command: javac ePortfolio/\*.java

Then to execute, use the command: java ePortfolio.Assignment2 somename.txt

**TEST PLAN**

The user can enter the words to call different functions, he can type ‘q’, ‘Q’, ‘quit’ etc to quit and buy.

If user wants to buy some stocks, he will simply enter buy and then enter stock AAPL as an example

If the user enters wrong/more arguments, the main command loop runs once again, instead of giving an error.

In sell function, if user enters a symbol which doesn’t exist, “No investment found” is displayed.

In search function too, if the user enters some wrong inputs, no match found is displayed.

Only the list with some entries in it is displayed.

If we sell all the shares of a stock or mutualFund, its name isn’t displayed and is deleted from the list.

I tried my best to make the program robust and able to handle all the situations :)

The program runs good without mentioning a file name as well.

Entire inventory is displayed after each run of the loop.

While purchasing some investment, I made sure that symbols don’t overlap.

In the sell function, I made sure that quantity more than the quantity one had can’t be sold.

In the gain function, I displayed the gain for each investment.

**Limitations**

If no file name is mentioned and we quit the program, null pointer exception is there

Couldn’t fully do the search function