COMP105 – Assignment 2 Feedback

Username: sgtentic
Overall Mark: 81/100

Below you will find a test report for each function that you submitted. Each test is broken down into a number of test sets, that each try to test different aspects of your function.

Test inputs. The test cases below use the following test inputs.

```
test_log = Same as template file

test_log2 = [
    ('B',1,10,"AAA",1),
    ('S',1,12,"AAA",2),
    ('B',1,26,"BBB",3),
    ('S',1,24,"BBB",4),
    ('B',1,42,"CCC",5),
    ('S',1,42,"CCC",6),
]

test_log3 = [
    ('B',40,100,"ZZZ",1),
    ('S',10,123,"ZZZ",101),
    ('S',10,149,"ZZZ",201),
    ('S',10,117,"ZZZ",301),
    ('S',10,101,"ZZZ",401),
]
```

In part C, the following test inputs are used.

```
test_str_log = Same as template file
test_prices = Same as template file

test_str_log2 =
    BUY 1 AAA 1
    SELL 1 AAA 2
    BUY 1 BBB 3
    SELL 1 BBB 4
    BUY 1 CCC 5
    SELL 1 CCC 6
test_prices2 = [
    ("AAA",[10,11,10,9,10,10,11,10]),
    ("BBB",[22,27,29,31,35,28,32,33]),
    ("CCC",[1239,1244,1259,1258,1252,1264,1260,1250]),
]

test_str_log3 =
```

```
    BUY 100 ZZZ 3
    BUY 200 ZZZ 4
    BUY 300 ZZZ 5
    SELL 600 ZZZ 7
test_prices3 = [
    ("YYY",[0,0,0,0,0,0,0,0,0,0]),
    ("ZZZ",[1,2,3,4,5,6,7,8,9,10]),
]
```

Question 1: transaction_to_string

Test Set	Argument	Output	Expected	Result	Mark
1	`('B',100,1104,"VT...`	`"Bought 100 units...`	`"Bought 100 units...`	`Correct`	2/2
	`('B',2,1,"AAA",100)`	`"Bought 2 units o...`	`"Bought 2 units o...`	`Correct`	
2	`('S',100,229,"IWR...`	`"Sold 100 units o...`	`"Sold 100 units o...`	`Correct`	2/2
	`('S',2,123,"BBB",...`	`"Sold 2 units of ...`	`"Sold 2 units of ...`	`Correct`	

Mark: 4/4

Test Set 1: This test set checks the strings for buy transactions. Errors here are usually caused by incorrectly formatted strings.

Test Set 2: This test set checks the strings for sell transactions. Errors here are usually caused by incorrectly formatted strings.

Question 2: trade_report_list

Test Set	Argument	Output	Expected	Result	Mark
1	`[]`	`[]`	`[]`	`Correct`	2/2
2	`test_log`	`["Bought 100 unit...`	`["Bought 100 unit...`	`Correct`	2/2
3	`test_log2`	`["Bought 1 units ...`	`["Bought 1 units ...`	`Correct`	4/4
	`test_log3`	`["Bought 40 units...`	`["Bought 40 units...`	`Correct`	

Mark: 8/8

Test Set 1: This test set checks the boundary case of the empty list.

Test Set 2: This test set checks whether the function works on the given test log.

Test Set 3: This test set checks whether the function works on other test logs.

Question 3: stock_test

Test Set	Argument	Output	Expected	Result	Mark
1	`"VTI" ('B', 100, 1104, "VTI", 1)`	`True`	`True`	`Correct`	4/4
	`"ONEQ" ('B', 100, 1104, "VTI", 1)`	`False`	`False`	`Correct`	
	`"AAA" ('B', 2, 1, "AAA", 100)`	`True`	`True`	`Correct`	
	`"ZZZ" ('S', 50, 111, "BBB", 2000)`	`False`	`False`	`Correct`	

Mark: 4/4

Test Set 1: This test set checks whether the function works.

Question 4: get_trades

Test Set	Argument	Output	Expected	Result	Mark
1	"VTI" test_log	[('B',100,1104,"V...	[('B',100,1104,"V...	Correct	3/3
	"ONEQ" test_log	[('B',200,36,"ONE...	[('B',200,36,"ONE...	Correct	
	"IWRD" test_log	[('B',100,229,"IW...	[('B',100,229,"IW...	Correct	
2	"AAA" test_log2	[('B',1,10,"AAA",...	[('B',1,10,"AAA",...	Correct	2/2
	"ZZZ" test_log3	[('B',40,100,"ZZZ...	[('B',40,100,"ZZZ...	Correct	
3	"BBB" test_log	[]	[]	Correct	2/2
	"VTI" test_log3	[]	[]	Correct	

Mark: 7/7

Test Set 1: This test set checks whether the function works on the stocks in the provided test log.

Test Set 2: This test set checks whether the function works on other test logs.

Test Set 3: This test set checks whether the function correctly returns an empty list if the stock does not appear in the log.

Question 5: trade_report

Test Set	Argument	Output	Expected	Result	Mark
1	"VTI" test_log	"Bought 100 units...	"Bought 100 units...	Correct	3/3
	"ONEQ" test_log	"Bought 200 units...	"Bought 200 units...	Correct	
	"IWRD" test_log	"Bought 100 units...	"Bought 100 units...	Correct	
2	"AAA" test_log2	"Bought 1 units o...	"Bought 1 units o...	Correct	2/2
	"ZZZ" test_log3	"Bought 40 units ...	"Bought 40 units ...	Correct	
3	"BBB" test_log	""	""	Correct	2/2
	"VTI" test_log3	""	""	Correct	

Mark: 7/7

Test Set 1: This test set checks whether the function works on the stocks in the provided test log.

Test Set 2: This test set checks whether the function works on other test logs.

Test Set 3: This test set checks whether the function correctly returns an empty string if the stock does not appear in the log.

Question 6: update_money

Test Set	Argument	Output	Expected	Result	Mark
1	('B', 1, 10, "VTI", 5) 100	90	90	Correct	6/6
	('B', 2, 1, "AAA", 100) 0	-2	-2	Correct	
	('B', 100, 10, "ZZZ", 1000) 1000	0	0	Correct	
2	('S', 2, 10, "VTI", 5) 100	120	120	Correct	4/4
	('S', 50, 111, "BBB", 2000) 0	5550	5550	Correct	

Mark: 10/10

Test Set 1: This test set checks whether the function works for buy transactions.

Test Set 2: This test set checks whether the function works for sell transactions.

Question 7: profit

Test Set	Argument	Output	Expected	Result	Mark
1	`test_log "VTI"`	`14450`	`14450`	`Correct`	4/4
	`test_log "ONEQ"`	`-800`	`-800`	`Correct`	
	`test_log "IWRD"`	`-1900`	`-1900`	`Correct`	
2	`test_log2 "AAA"`	`2`	`2`	`Correct`	5/5
	`test_log2 "BBB"`	`-2`	`-2`	`Correct`	
	`test_log2 "CCC"`	`0`	`0`	`Correct`	
	`test_log3 "ZZZ"`	`900`	`900`	`Correct`	
3	`test_log "AAA"`	`0`	`0`	`Correct`	4/4
	`test_log2 "VTI"`	`0`	`0`	`Correct`	
	`test_log3 "ONEQ"`	`0`	`0`	`Correct`	

Mark: 13/13

Test Set 1: This test set checks whether the function works for the stocks given in the example log.

Test Set 2: This test set checks whether the function works for the stocks given in other logs.

Test Set 3: This test set checks whether the function correctly outputs a profit of zero if the stock does not appear in the log.

Question 8: profit_report

Test Set	Argument	Output	Expected	Result	Mark
1	`["ONEQ", "IWRD"] test_log`	`"ONEQ: -800\nIWRD...`	`"ONEQ: -800\nIWRD...`	`Correct`	3/3
	`["VTI", "IWRD"] test_log`	`"VTI: 14450\nIWRD...`	`"VTI: 14450\nIWRD...`	`Correct`	
	`["VTI", "ONEQ"] test_log`	`"VTI: 14450\nONEQ...`	`"VTI: 14450\nONEQ...`	`Correct`	
2	`["AAA", "BBB"] test_log2`	`"AAA: 2\nBBB: -2\n"`	`"AAA: 2\nBBB: -2\n"`	`Correct`	4/4
	`["ZZZ"] test_log3`	`"ZZZ: 900\n"`	`"ZZZ: 900\n"`	`Correct`	
3	`["VTI", "AAA"] test_log2`	`"VTI: 0\nAAA: 2\n"`	`"VTI: 0\nAAA: 2\n"`	`Correct`	3/3
	`["ZZZ"] []`	`"ZZZ: 0\n"`	`"ZZZ: 0\n"`	`Correct`	
4	`[] test_log3`	`""`	`""`	`Correct`	2/2

Mark: 12/12

Test Set 1: This test set checks whether the function works for the stocks given in the example log.

Test Set 2: This test set checks whether the function works for other logs.

Test Set 3: This test set checks whether the function works when some of the stocks do not appear in the log.

Test Set 4: This test set checks whether the function works when the first argument is an empty list. Here the expected output is the empty string.

Question 9: complex_profit_report

Test Set	Argument	Output	Expected	Result	Mark
1	`test_str_log test_prices`	`"VTI: -7600\nONEQ...`	`"VTI: -7600\nONEQ...`	`Correct`	4/4
2	`test_str_log2 test_prices2`	`"AAA: 1\nBBB: 2\n...`	`"AAA: 1\nBBB: 2\n...`	`Correct`	4/4
3	`test_str_log3 test_prices3`	`"YYY: 0\nZZZ: 160...`	`"YYY: 0\nZZZ: 160...`	`Correct`	4/4
4	`[] test_prices`	`""`	`"VTI: 0\nONEQ: 0\...`	`Incorrect`	0/4
	`[] test_prices2`	`""`	`"AAA: 0\nBBB: 0\n...`	`Incorrect`	
	`[] test_prices3`	`""`	`"YYY: 0\nZZZ: 0\n"`	`Incorrect`	
5	`[] []`	`""`	`""`	`Correct`	4/4

Mark: 16/20

Test Set 1: This test set checks whether the function works for the example inputs.

Test Set 2: This test set checks whether the function works for other inputs.

Test Set 3: This test set checks whether the function works for other inputs. This particular input contains a stock YYY in the price database that has no transactions. The handout specifies that a profit report should be generated for all stocks in the price database. So the output must include a line for YYY, and the profit reported for YYY should be zero.

Test Set 4: This test set checks whether the function works if there are no transactions listed in the log. The handout specifies that a profit report should be generated for all stocks in the price database, so the output should not be empty, and the profit for each of the stocks should be zero.

Test Set 5: This test set checks whether the function works if the price database is empty. The specification guaranteed that if a stock appeared in the log, then a price would appear for that stock in the database on the listed day. But giving two empty lists as input does not violate this guarantee, and so the function should work on this input. The expected output is a profit report for all of the stocks in the price database, and since there are no stocks, the output should be the empty string.

Perfect Part C bonus: 0/15

Overall Mark 81/100