BAT Quinterac

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Daily Script Source Listing

```
import tempfile
from importlib import reload
import os
import io
import sys
path = os.path.dirname(os.path.abspath(__file__))
  def __init__(self, terminal_input1, terminal_input2, terminal_input3, input_valid_accounts):
      helper(terminal_input1, input_valid_accounts)
      helper(terminal_input2, input_valid_accounts)
      helper(terminal_input3, input_valid_accounts)
def helper(terminal_input, input_valid_accounts):
  temp_fd, temp_file = tempfile.mkstemp()
  transactionSummaryFile = temp_file
  temp_fd2, temp_file2 = tempfile.mkstemp()
  temp_fd3, temp_file3 = tempfile.mkstemp()
```

```
with open(validAccountsListFile, 'w') as wf:
sys.argv = [
    transactionSummaryFile,
FrontEnd.FrontEnd(validAccountsListFile, transactionSummaryFile)
os.close(temp fd)
os.close(temp_fd2)
os.close(temp fd3)
os.remove(temp_file)
os.remove(temp_file2)
os.remove(temp file3)
```

Weekly Script Source Listing

```
import os
from time import sleep
from dailyScript import Daily

class Weekly:

   def __init__(self):
      validAccounts = open('quinterac/validAccountsListFile.txt', 'r')
      self.inputValidAccounts = validAccounts.readlines()
```

```
def runWeek(self):
          transactionInputs1 = self.transactionSetOne(day)
          transactionInputs2 = self.transactionSetTwo(day)
          transactionInputs3 = self.transactionSetThree(day)
          a = Daily(transactionInputs1, transactionInputs2, transactionInputs3,
self.inputValidAccounts)
 def transactionSetOne(self, day):
          transactionInputs = [
          transactionInputs = [
          transactionInputs = [
```

```
transactionInputs = [
        transactionInputs = [
    return transactionInputs
def transactionSetTwo(self, day):
       transactionInputs = [
```

```
transactionInputs = [
    transactionInputs = [
   transactionInputs = [
   transactionInputs = [
return transactionInputs
```

```
transactionInputs = [
transactionInputs = [
transactionInputs = [
transactionInputs = [
```

Transaction Inputs used on Day 5

| First Session: | Second Session: | Third Session: |
|----------------|-------------------|----------------|
| 'login', | 'login', | ʻlogin' |
| '1', | '1' , | '1' , |
| 'del', | 'del', | 'del', |
| '7777776', | '444444 ', | '1122334', |
| 'Ben', | 'Aaron', | 'Tamir', |
| 'back', | 'back', | 'back', |
| 'logout' | 'logout' | 'logout' |

Merged Transaction Summary File - Day 5

```
      quinterac > ≡ mergedTransactionSummaryFile.txt

      1
      DEL 0000000 000 7777776 Ben

      2
      DEL 0000000 000 4444444 Aaron

      3
      DEL 0000000 000 1122334 Tamir

      4
      EOS 0000000 000 0000000 ***

      5
```

Master Accounts File - Day 1

quinteracBackend > = masterAccountsFile.txt

- 1 7777776 0 Ben
- 2 4444444 0 Aaron
- 3 **1122334 0 Tamir**

Master Accounts File - Day 2

quinteracBackend > ≡ masterAccountsFile.txt

- 1 7777776 7777 Ben
- 2 4444444 69420 Aaron
- 3 1122334 200 Tamir

Master Accounts File - Day 3

quinteracBackend > ≡ masterAccountsFile.txt

- 1 7777776 7277 Ben
- 2 4444444 68920 Aaron
- 3 1122334 100 Tamir

Master Accounts File - Day 4

quinteracBackend > = masterAccountsFile.txt

- 1 7777776 7297 Ben
- 2 4444444 68900 Aaron
- 3 **1122334 100 Tamir**

Master Accounts File - Day 5

quinteracBackend > = masterAccountsFile.txt

- 1 7777776 7297 Ben
- 2 4444444 68900 Aaron
- 3 **1122334 100 Tamir**

Integration Defect Report

| Problem | Solution |
|--|--|
| Weekly transaction script would not work correctly, even though each day would work properly, individually. The program would think that the days were in the same session. This caused an error saying the new account couldn't be used for a transaction in the session it was created in. | Removed error checking, because we would need to overhaul our error checking to have it work with the script. We know that the script does not feed any illegal inputs to the system, so it is not necessary for it to check. To further fix this problem, we would have to refactor both our frontend and backend sessions to better meet the constraint. |