

Assignment 6 - Integration and Delivery

Zoopdeeboop Co.

Meryl Gamboa - 10173192

Zane Little - 10179568

Stefan Urosevic - 10146785

Source listing of your Daily and Weekly scripts

```
1  rem Zoopdeeboop Co.
2  rem Meryl Gamboa - 10173192
3  rem Zane Little - 10179568
4  rem Stefan Urosevic - 10146785
5  rem Assignment 6 Weekly Script
6
7  @Echo off
8
9  rem days indicates the number of times
10 rem the daily script will run
11 set /A days = 5
12
13 rem loop for days times, running
14 rem the daily script.
15 for /L %%i in (1,1,%days%) do (
16     echo Running Day %%i
17     call QBASICDailyScript.bat MADays%%i.txt
18 )
19
20 echo Finished running for the week
21 echo Shutting down
22 echo Goodbye Dave
23 pause
```

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```
1  rem Zoopdeeboop Co.
2  rem Meryl Gamboa - 10173192
3  rem Zane Little - 10179568
4  rem Stefan Urosevic - 10146785
5  rem Assignment 6 Daily Script
6
7
8  @Echo off
9
10 set /A numRuns = 3
11
12 rem Making the transaction summary folder
13 mkdir TSFILES\
14
15 echo Looping through front end
16 rem loop numRuns times
17
18 for /L %%i in (1,1,%numRuns%) do (
19     echo Front End run %%i
20     rem for each loop run front end and get transaction file
21     QBASICFrontEnd.exe AccountsFile.txt TSFILES/TS%%i.txt
22
23     echo Stripping end of file code from transaction summary %%i
24     rem call cpp file to strip EOF from transaction summary file
25     stripEOS.exe TSFILES/TS%%i.txt
26 )
27
28
29
30 echo Merging summary files
31 rem merge the transaction summaries
32 copy TSFILES\*.txt MergedTS.txt
33
34
35 rem add EOS to merged transaction file
36 echo EOS>>MergedTS.txt
37
38 echo Running back end
39 rem run back end using merged transaction file
40 QBASICBackEnd.exe MergedTS.txt MA.txt MA.txt AccountsFile.txt
41
42 copy MA.txt %1
43
44 pause
```

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Transaction session inputs

This input was done on the first day with an empty masters account file so only createacct can be used

Start dailyScript

Start Front End 1

login

agent

createacct

1111111

firstAcct

logout

exit

A

Start Front End 2

login

agent

createacct

2222222

secondAcct

logout

exit

a

Start Front End 3

login

machine

createacct

logout

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exit

a

End Front End 3

a

End Daily Script

Merged Transaction Summary File

NEW 1111111 000 0000000 firstAcct

NEW 2222222 000 0000000 secondAcct

EOS

Master Accounts File - Day 1

1111111 000 firstAcct

2222222 000 secondAcct

EOF

Master Accounts File - Day 2

1111111 49998 firstAcct

1234567 000 Zane

2222222 50001 secondAcct

EOF

Master Accounts File - Day 3

1111111 49998 firstAcct

1234567 000 Zane

1818181 000 IWasScoldedForThe1919AcctName

1919199 000 OneNineOneNineOneNineNine

2222222 50001 secondAcct

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6666666 000 Meryl
EOF

Master Accounts File - Day 4

1111111 098 firstAcct
1234567 066 Zane
1818181 000 IWasScoldedForThe1919AcctName
1919199 000 OneNineOneNineOneNineNine
2222222 50001 secondAcct
EOF

Master Accounts File - Day 5

2828282 000 IDeletedTheOtherAccts
3737373 000 These2ShouldBeTheOnlyOnesLeft
EOF

Integration defect report

The Problem We Encountered	How We Resolved the Problem
Our code before was not capable of merging our transaction summary file into one file	Made new cpp file to strip EOS from transaction files to make it easier to merge files in the dailyScript batch file
Using variables in batch. The formatting we originally used was working for one of our files, however, for some reason the same formatting would not run in a different file. set days = 5 for /L %%i in (1,1,days) do (...)	We had to research a different way to formatting our variables so that it would working in both files. set /A days = 5 for/L %%i in(1,1,%days%) do (...)

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When we withdraw all the money from an account, \$X to \$0, in the transaction summary it is displayed as 0 instead of 000	Do checks if balance is less than 3 digits and if it is, add appropriate number of zeroes
Anticipated similar problem with balance being greater than 8 digits so we fixed that too	Checked if balance is greater than 8 characters and if it is, ignore transaction
If depositing to an account with balance less than 3 characters with money amount with that's also less than 3 characters, example 66, it would display 66 in the transaction summary file instead of 066	Check the account balance and added the amount of 0 needed
Had error where when checking names, it would count the characters of every single name and it would crash back end	Zeroed out the character counter for the names after each name is checked

Team Distribution

Team Member Name	Hours Spent	Aspect of the Assignment
Meryl Gamboa	8.5	Report/Pair Programming
Zane Little	8.5	Pair Programming
Stefan Urosevic	8.5	Pair Programming