Queen's University

Assignment: Quinterac part 6

Course: CMPE 327

Prepared for: Lecturer: Ding, Steven

Group Number:

23

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Daily and Weekly Script

```
from importlib import reload
10
            front end.main()
12
13
14
15
16
17
18
19
20
                     outfile.write(i + "\n")
21
22
            outfile.close()
23
24
25
```

```
# Driver main file

def main():

| def main():
| def main():
| for i in range(5):
| while(True):
| next = input("Press enter to continue to next day. \n")
| if (next == ''):
| print("Day " + str(i + 1))
| dailySession()
| break
| else:
| print('You typed some text before pressing enter.')
| dailySessing() | print('You typed some text before pressing enter.')
```

Transaction Session Inputs and Outputs for a Week

Day 1: Session 1:

- login, agent
- createacct, 1234567, BobRoss99
- logout

Day 1: Session 2:

- login, agent
- createacct, 1357924, IronMan2008
- logout

Day 1: Session 3:

- login, agent
- createacct, 2424242, DonaldTrump2016
- logout, exit

Day 1 Transaction Summary File:

```
NEW 1234567 000 0000000 BobRoss99
NEW 1357924 000 0000000 IronMan2008
NEW 2424242 000 0000000 DonaldTrump2016
EOS 0000000 000 00000000 ***
```

Day 1 Master Accounts File:

```
1234567 500000 BobRoss99
1357924 500000 IronMan2008
2424242 500000 DonaldTrump2016
```

Day 2: Session 1:

- login, agent
- createacct, 1111111, KimJungGi
- deposit, 1234567, 100000
- logout

Day 2: Session 2:

- login, atm
- withdraw, 1357924, 100000
- transfer, 1234567, 2424242, 100000
- logout

Day 2: Session 3:

- login, atm
- deposit, 2424242, 100000
- withdraw, 1234567, 200000
- logout, exit

Day 2 Transaction Summary File:

```
NEW 1111111 000 0000000 KimJungGi

DEP 1234567 100000 0000000 ***

WDR 1357924 100000 0000000 ***

XFR 2424242 100000 1234567 ***

DEP 2424242 100000 0000000 ***

WDR 1234567 200000 0000000 ***

EOS 0000000 000 0000000 ***
```

Day 2 Master Accounts File:

1111111 500000 KimJungGi 1234567 300000 BobRoss99 1357924 400000 IronMan2008 2424242 700000 DonaldTrump2016

Day 3: Session 1:

- login, atm
- deposit, 1111111, 200000
- logout

Day 3: Session 2:

- login, atm
- withdraw, 1357924, 100000
- logout

Day 3: Session 3:

- login, atm
- transfer, 2424242, 1234567, 200000
- logout, exit

Day 3 Transaction Summary File:

```
DEP 1111111 200000 0000000 ***
WDR 1357924 100000 0000000 ***
XFR 1234567 200000 2424242 ***
EOS 0000000 000 0000000 ***
```

Day 3 Master Accounts File:

```
111111 700000 KimJungGi
1234567 500000 BobRoss99
1357924 300000 IronMan2008
2424242 500000 DonaldTrump2016
```

Day 4: Session 1:

- login, atm
- transfer, 1111111, 1357924, 200000
- deposit, 1111111, 100000
- logout

Day 4: Session 2:

- login, agent
- createacct, 2222222, JamesBond
- deposit, 1234567, 100000
- logout

Day 4: Session 3:

- login, atm
- deposit, 1357924, 100000
- deposit, 2424242, 100000
- logout, exit

Day 4 Transaction Summary File:

```
XFR 1357924 200000 1111111 ***
```

DEP 1111111 100000 00000000 ***

NEW 2222222 000 0000000 JamesBond

DEP 1234567 100000 00000000 ***

DEP 1357924 100000 00000000 ***

DEP 2424242 100000 00000000 ***

EOS 0000000 000 00000000 ***

Day 4 Master Accounts File:

1111111 600000 KimJungGi

1234567 600000 BobRoss99

1357924 600000 IronMan2008

2222222 600000 JamesBond

2424242 500000 DonaldTrump2016

Day 5: Session 1:

- login, atm
- deposit, 2424242, 100000
- withdraw, 1111111, 600000
- logout

Day 5: Session 2:

- login, atm
- deleteacct, 1111111, KimJungGi
- logout

Day 5: Session 3:

- login, atm
- withdraw, 1234567, 300000
- logout, exit

Day 5 Transaction Summary File:

```
DEP 1357924 100000 0000000 ***
DEP 2424242 100000 0000000 ***
DEP 2424242 100000 0000000 ***
WDR 1111111 600000 0000000 ***
DEL 1111111 000 0000000 KimJungGi
WDR 1234567 300000 0000000 ***
EOS 0000000 000 0000000 ***
```

Day 5 Master Accounts File:

```
1234567 300000 BobRoss99
1357924 600000 IronMan2008
2222222 500000 JamesBond
2424242 700000 DonaldTrump2016
```

Integration Defect Table

Error	Fix
I/O operation error for file TSF.txt	In driver.py, line 22 a close file must be add after the file is written, since tsf.txt cannot be written and read at the same time. Text file was being written in the driver code, and then also read in the backend.
Error in front end where TSF codes	The front end must be reloaded, using the
from previous days were not	reload() function at the start of each new day in
cleared in TSF.txt	the driver code to reset all its internal variables and lists.
PermissionError: [Errno 13]	Changed the open file parameters from r+ to r.
Permission denied for TSF.txt when	
backend.py tried to open in line 87	
Frontend error where the direction	Fix was made by changing the transfer
in which money is transferred is	transaction code in front end, so the money is
incorrect (the from and to is switched).	transferred in the right direction.