

User Manual For Account Report:

1. Executing the Program

This program will take 2 files one for accounts and the other for transactions and output a monthly report for each account and its transactions. To run the program, find the Project 2.exe and run it and it will tell you what to do next.

2. Input

2.1 Input Requirements

The program only needs the 2 filepaths as input. The accounts file must be in this format. First you have the account number and then the account name. Each line has a separate account in this format. The Transactions File has this format; You first have your account number, then your previous balance, then you have your transactions. Each transaction is marked with either a d or w representing deposits and withdrawals respectively. Here is an example of both formats.

123 daffy

123	34.67	d45.10	d50.45	d198.56	w45.67
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2.2. Input Restrictions

The account file can have a maximum of 2,000 accounts otherwise the program will crash due to an overflow error. If the format is wrong the program will return the wrong results. The only exception is if you have in your account file an account number but no name that account number will be skipped.

3. Output

The output will be in this format as show in the example.

```
Name : daffy
Account Number : 123
Beginning Balance : $34.67
Ending Balance : $283.11
Amount Deposited : $294.11
Number of Deposits : 3
Amount Withdrawn : $45.67
Number of Withdraws : 1
```

This kind of report for each user will be outputted to the console and written to a file automatically created called “monthly_reports.txt” in your directory.

Here is an example give 2 files accounts2.txt and transactions2.txt.

```
55 fanny
66 ronald
89 kite
98 donald
100 john
```

```
55 2000 d890 w300 d89 w91 d54 d100 d482 w150
66 1000 w200 w400 d100 d700 w340 w92
89 20000 w2000 d500 d781
98 92731 w900 w400 w1000 w1249 d500 d788 d8921
100 7820 w922 d982 w1002
```

The output from this will be this.

```
Name : fanny
Account Number : 55
Beginning Balance : 2000.00
Ending Balance : 3074.00
Amount Deposited : 1615.00
Number of Deposits : 5
Amount Withdrawn : 541.00
Number of Withdrawals : 3
```

```
Name : ronald
Account Number : 66
Beginning Balance : 1000.00
Ending Balance : 768.00
Amount Deposited : 800.00
Number of Deposits : 2
Amount Withdrawn : 1032.00
Number of Withdrawals : 4
```

```
Name : kite
Account Number : 89
```