ZoopDeeBoop

Meryl Gamboa - 10173192 - 2 hours - Documented the test cases Zane Little - 10179568 - 2 hours - Analyzed the test cases Stefan Urosevic - 10146785 - 2 hours - Analyzed the test cases

Testing createacct using statement testing

Stmt	Master Accounts Input	Test Input	Master Accounts Output	What Is It Testing?	Error
211	1111111 50000 Zane 2222222 000 Stef EOF	NEW 1234567 000 0000000 foobar EOS	1111111 50000 Zane 1234567 000 foobar 2222222 000 Stef EOF	Test that statement 1 runs. This is checked by making sure the account number is correct. 1234567 is the correct number	N/A
212	1111111 50000 Zane 2222222 000 Stef EOF	NEW 1234567 000 0000000 foobar EOS	1111111 50000 Zane 1234567 000 foobar 2222222 000 Stef EOF	Test that statement 2 runs. This is checked by making sure the balance is correct. 000 is the correct balance	N/A
213	1111111 50000 Zane 2222222 000 Stef EOF	NEW 1234567 000 0000000 foobar EOS	1111111 50000 Zane 1234567 000 foobar 2222222 000 Stef EOF	Test that statement 3 runs. This is checked by making sure the account name is correct. "foobar" is the correct name	N/A
214	1111111 50000 Zane 2222222 000 Stef EOF	NEW 1234567 000 0000000 foobar EOS	1111111 50000 Zane 1234567 000 foobar 2222222 000 Stef EOF	Check that the account is inserted in order (statement 4). This is checked by making sure that foobar is the second account in the	N/A

		master accounts file (Ascending account number)	
		(According account number)	

```
207
208
209
     vector<string> upNEW(vector<string> accounts, string transaction, int acctPos)
210
211
          string newAcct = transaction.substr(4, 7);
          newAcct += " 000 ";
212
213
          newAcct += transaction.substr(24, transaction.length() - 24);
          accounts = insertInOrder(accounts, newAcct);
214
          return accounts;
215
216
```

Testing withdraw using decision coverage

Stmt	Master Accounts Input	Test Input	Master Accounts Output	What Is It Testing?	Error
169: True	1111111 50000 Zane 1234567 000 foobar 2222222 000 Stef EOF	XFR 1234567 50 1111111 *** EOS	1111111 49950 Zane 1234567 50 foobar 2222222 000 Stef EOF	Test that the program enters the transfer specific block when the transaction code is XFR.	N/A
169: False	1111111 50000 Zane 1234567 000 foobar 2222222 000 Stef EOF	WDR 1111111 50 0000000 ***	1111111 49950 Zane 1234567 000 foobar 2222222 000 Stef EOF	Test that the program does not enter the transfer specific block when the transaction code is WDR.	N/A

172: True	1111111 50000 Zane 1234567 000 foobar 2222222 000 Stef EOF	XFR 3333333 50 1111111 *** EOS	1111111 50000 Zane 1234567 000 foobar 2222222 000 Stef EOF	Tests that the program catches if an account does not exist.	N/A
172: False	1111111 50000 Zane 1234567 000 foobar 2222222 000 Stef EOF	XFR 1234567 50 1111111 *** EOS	1111111 49950 Zane 1234567 50 foobar 2222222 000 Stef EOF	Test if the if statement can be false if the account exists.	N/A
180: True	1111111 50000 Zane 1234567 000 foobar 2222222 000 Stef EOF	WDR 1111111 50 0000000 ***	1111111 49950 Zane 1234567 000 foobar 2222222 000 Stef EOF	Tests the while loop that gets the transaction amount.	N/A
180: False	1111111 50000 Zane 1234567 000 foobar 2222222 000 Stef EOF	WDR 1111111 50 0000000 ***	1111111 49950 Zane 1234567 000 foobar 2222222 000 Stef EOF	Test that it exits the while loop and doesn't stall.	N/A
188: True	1111111 50000 Zane 1234567 000 foobar 2222222 000 Stef EOF	WDR 1111111 50 0000000 ***	1111111 49950 Zane 1234567 000 foobar 2222222 000 Stef EOF	Tests the while loop that gets the transaction amount.	N/A
188: False	1111111 50000 Zane 1234567 000 foobar 2222222 000 Stef	WDR 1111111 50 0000000 ***	1111111 49950 Zane 1234567 000 foobar 2222222 000 Stef	Test that it exits the while loop and doesn't stall.	N/A

	EOF		EOF		
199: True	1111111 50000 Zane 1234567 000 foobar 2222222 000 Stef EOF	XFR 1234567 50 11111111 *** EOS	1111111 49950 Zane 1234567 50 foobar 2222222 000 Stef EOF	Tests the if statement that only is true on transfer transactions.	N/A
199: False	1111111 50000 Zane 1234567 000 foobar 2222222 000 Stef EOF	WDR 1111111 50 0000000 ***	1111111 49950 Zane 1234567 000 foobar 2222222 000 Stef EOF	Test that it doesn't go into the if statement during withdraw transactions.	N/A

```
157 // upWDR takes accounts vector and a transaction string
159 vector<string> upWDR_XFR(vector<string> accounts, string transaction, int acctPds)
          int x = 12;
          string transAmt = "";
          string oldAmt = "";
          int newAmt = 0;
          int acctPos2;
          if (transaction[0] == 'X')
              acctPos2 = findPos(accounts, transaction.substr(4, 7));
              if (acctPos2 == -1)
                  writeError("ERROR WITH XFR : ACCOUNT NUMBER " + transaction.substr(4,7) + " NOT FOUND IN ACCOUNTS FILE.ACCOUNTS MANIFEST NOT UPDATED.", false);
                  return accounts;
          while (transaction[x] != ' ')
              transAmt += transaction[x];
          while (accounts[acctPos][x] != ' ')
              oldAmt += accounts[acctPos][x];
          string oldAcct = accounts[acctPos];
          newAmt = stoi(oldAmt) - stoi(transAmt);
          accounts[acctPos] = oldAcct.substr(0, 7) + " " + to_string(newAmt) + " " + findAcctName(oldAcct, 8);
          if (transaction[0] == 'X')
              accounts = upDEP(accounts, transaction, acctPos2);
          return accounts;
```