Basic Block Testing for Account Creation Transactions

Made by Chinese-broccoli

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#.The process for create account transactions to master list

def processCreate(self: toAccount; amount; fromAccount; name);

name = name.strip()

match:  # account already exist

print("Transaction: NEW (toAccount) (amount) (fromAccount) (name) is invalid!")

print("Due to: account already exists!")

return False

else:

ucdateInfo = f" (toAccount) 000 (name) \n"

if self. checkUpdateInfo (updateInfo):

ucdateInfo = f" (toAccount) odd (name) \n"

if self. insertToList(updateInfo, idx)

self. length += 1

else:

print("Transaction: NEW (toAccount) (fromAccount) (name) is invalid!")

print("Due to: invalid length!")

return False

return True
```

```
# new line in master account file should < 47 characters

def checkUpdateInfo(self, updateInfo):

preturn len(updateInfo) <= 47
```

Test Table for Basic Block Testing:

Test	Block	Test Input	Important Variable Values	Description	Terminal Output
No.	include	(Transaction)			
T1.0	1, 2, 3,	NEW 1000500 000	Block 1: match -> True	Unsuccessfully	Transaction: NEW 1000500 000
	4, 7	0000000 Account02	Block 1: idx -> 1	account	0000000 Account02 is invalid!
				creation, due	Due to: account already exists!
				to account	program terminated!
				already exists	
T1.1	1, 2, 3,	NEW 1000550 000	Block 1: match -> False	Successfully	None
	5, 6, 8,	0000000 Account04	Block 1: idx -> 0	account	
	9, 10,		Block 8:	creation, the	
	11, 12		checkUpdateInfo(updateInfo)	created	
			-> True	account is in	
			Block 11: (newAccount <	the second	
			account) -> True	line of the	
				new master	
				file	
T1.2	1, 2, 3,	NEW 1000650 000	Block 1: match -> False	Successfully	None
	5, 8, 9,	0000000 Account04	Block 1: idx -> 0	account	
	10, 11,		Block 8:	creation, the	
	13		checkUpdateInfo(updateInfo)	created	
			-> True	account is in	
			Block 11: (newAccount <	the first line	
			account) -> False	of the new	
				master file	
T1.3	1, 2, 3,	NEW 1000550 000	Block 1: match -> False	Unsuccessfully	Transaction: NEW 1000550 000
	5, 6, 8,	0000000	Block 1: idx -> 0	account	000000
	9, 14	Account04aaaaa-	Block 8:	creation, due	Account04aaaaaaaaaaaaaaaa-
		аааааааааааааа-	checkUpdateInfo(updateInfo)	to invalid	ааааааааааааааааааа is
		аааааааааааааа-	-> False	length	invalid!
		аааааааа			Due to: invalid length!
					program terminated!
All blocks (1 to 14) are covered in the tests					