Front End Requirements Test Cases:

Company: ***Scarlet FlashView***

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Login:

Requirement	Test No.	Test Name	Purpose	Input	Input Files	Output	Output Files
No transactions before login	R1 T1	logout before login	Can't logout before login	logout	None	Error prompt for user to logout before login	None
	R1 T2	create account before login	Cannot create account before logging in	createacct	None	Error prompt for user to create account before login	None
	R1 T3	delete account before login	Cannot delete account before login	deleteacct	None	Error prompt for user to delete account before login	None
	R1 T4	deposit before login	Cannot deposit before login	deposit	None	Error prompt for user to deposit before login	None
	R1 T5	withdraw before login	Cannot withdraw before login	withdraw	None	Error prompt for user to withdraw before login	None
	R1 T6	transfer before login	Cannot transfer before login	transfer	None	Error prompt for user to transfer before login	None
	R1 T7	login	Can login	login	None	Successful to login	None
No subsequent login after a login, until after a logout	R2 T1	over login	Cannot login again after logging in an account	login login	Valid Accounts List File	Error prompt for user to login again	None

Logout:

Requirement	Test No.	Test Name	Purpose	Input	Input Files	Output	Output Files
No transaction other than login should be accepted after a logout	R1 T1	Withdraw after logout	Cannot do any transactions after logout	login logout withdraw	Valid Accounts List File	Error prompt for user trying to withdraw after logout	Transaction summary file
	R1 T2	Deposit after logout	Cannot do any transactions after logout	login logout deposit	Valid Accounts List File	Error prompt for user trying to deposit after logout	Transaction summary file
	R1 T3	Transfer after logout	Cannot do any transactions after logout	login logout transfer	Valid Accounts List File	Error prompt for user trying to transfer after logout	Transaction summary file
	R1 T4	Createacct after logout	Cannot do any transactions after logout	login logout createacct	Valid Accounts List File	Error prompt for user trying to create account after logout	Transaction summary file
	R1 T5	Deleteacct after logout	Cannot do any transactions after logout	login logout deleteacct	Valid Accounts List File	Error prompt for user trying to delete account after logout	Transaction summary file
	R1 T6	login after logout	Can log in after logout	login logout login	Valid Accounts List File	Successful to login again after logout	Transaction summary file
Should only be accepted when logged in	R2 T1	logout after logout	Cannot logout after logout	logout logout	None	Error prompt for user to logout after logout	None

Create-account:

Requirement	Test No.	Test Name	Purpose	Input	Input Files	Output	Output Files
Only be used in the agent mode	R1 T1	ATM mode createacct	Cannot create account in the ATM mode	ATM createacct	Valid accounts list file	Error prompt for creating account in ATM mode	transaction summary file Valid accounts list file
	R1 T2	agent mode createacct	Can create an account in agent mode	agent createacct account number account name	Valid accounts list file	Successfully create account in agent mode	transaction summary file Valid accounts list file
Valid account (number which cannot begin with 0 and must have different number from others and name which is between 3 and 30 alphanumeric characters, possibly including spaces but not beginning or ending with a space)	R2 T1	invalid number create	Cannot create an account number beginning with 0	agent createacct account number (start with 0) account name	Valid accounts list file	Error prompt for account number beginning with 0	transaction summary file Valid accounts list file
	R2 T2	over create	Cannot have same account number with exist account	agent createacct account number account name	Valid accounts list file	Error prompt for account number with the same account number	transaction summary file Valid accounts list file
	R2 T3	invalid name create	Cannot create the account if the name character number is less than 3	agent createacct account number account name	Valid accounts list file	Error prompt for invalid account name not over 3 characters	transaction summary file Valid accounts list file
	R2 T4	invalid account name create	Cannot create the account if the name character is over 30	agent createacct account number account name	Valid accounts list file	Error prompt for invalid account name over 30 characters	transaction summary file valid accounts list file

Delete-account:

Requirement	Test No.	Test Name	Purpose	Input	Input Files	Output	Output Files
Only accepted when logged in in agent mode	R1 T1	ATM delete mode	Cannot delete account in ATM mode	atm deleteacct	Valid accounts list file	Error prompt for delete account in ATM mode	Valid accounts list file Transaction summary file
	R1 T2	agent delete mode	Can delete account in agent mode	agent deleteacct account number account name	Valid accounts list file	Successfully delete account in agent mode	Valid accounts list file Transaction summary file
Only accepted if the account number is valid	R2 T1	invalid account number delete	Cannot delete account if the account number is invalid	deleteacct account number account name	Valid accounts list file	Error prompt for the deleted account number being invalid	Valid accounts list file Transaction summary file
No further transactions should be accepted on a deleted account	R3 T1	deleted account transfer transactions	Cannot do any other transactions on a deleted account	deleteacct transfer account number transfer amount account number	Valid accounts list file	Error prompt for the account being deleted	Valid accounts list file Transaction summary file
	R3 T2	deleted account deposit transactions	Cannot do any other transactions on a deleted account	deleteacct deposit account number deposit amount	Valid accounts list file	Error prompt for the account being deleted	Valid accounts list file Transaction summary file
	R3 T3	deleted account withdraw transactions	Cannot do any other transactions on a deleted account	deleteacct withdraw account number withdraw amount	Valid accounts list file	Error prompt for the account being deleted	Valid accounts list file Transaction summary file
	R3 T4	deleted account login transactions	Cannot do any other transactions on a deleted account	deleteacct login	Valid accounts list file	Error prompt for the account being deleted	Valid accounts list file Transaction summary file

Deposit:

Requirement	Test No.	Test Name	Purpose	Input	Input Files	Output	Output Files
Only accepted if the account number is valid	R1 T1	Valid number deposit	Cannot deposit if the account number is invalid	deposit account number deposit number	Valid Accounts List File	Error prompt for invalid account number to deposit	Valid accounts list file Transaction summary file
Deposits above $2,000 per time should be rejected in ATM mode	R2 T1	ATM deposit above limit	Cannot deposit if the amount limit per deposit in ATM exceeds	deposit account number deposit amount	Valid Accounts List File	Error prompt for invalid deposit amount per time	Valid accounts list file Transaction summary file
	R2 T2	ATM deposit within limit	Deposit within $2,000 per time in ATM	deposit account number deposit amount	Valid Accounts List File	Successful to deposit in ATM per time	Valid accounts list file Transaction summary file
Deposits above $5,000 daily should be rejected in ATM mode	R3 T1	ATM deposit above daily limit	Cannot deposit if the daily deposit amount exceeds $5,000 for ATM	deposit account number deposit amount (repeat several times)	Valid Accounts List File	Error prompt for daily deposit in ATM exceeds	Valid accounts list file Transaction summary file
	R3 T2	ATM deposit within limit	Deposit within $5,000	deposit account number deposit amount (repeat several times)	Valid Accounts List File	Successful to deposit within daily amount	Valid accounts list file Transaction summary file
Deposits above $999,999.99 should be rejected in agent mode	R4 T1	Agent deposit exceeds	Cannot deposit if the deposit amount exceeds $999,999.99 in agent mode	deposit account number deposit amount	Valid Accounts List File	Error prompt for deposit exceeds in agent mode	Valid accounts list file Transaction summary file
	R4 T2	Agent deposit	Deposit in agent mode	deposit account number deposit amount	Valid Accounts List File	Successful to deposit in agent mode	Valid accounts list file Transaction summary file

Withdraw:

Requirement	Test No.	Test Name	Purpose	Input	Input Files	Output	Output Files
Only accepted if the account number is valid	R1 T1	Valid number withdraw	Cannot withdraw if the account number is invalid	withdraw account number withdraw amount	Valid Accounts List File	Error prompt for invalid account number to withdraw	Valid accounts list file Transaction summary file
Withdrawals above $1,000 per time should be rejected in ATM mode	R2 T1	ATM withdraw over limit	Cannot withdraw if withdrawals above $1,000 per time	withdraw account number withdraw amount	Valid Accounts List File	Error prompt for withdrawals above $1,000	Valid accounts list file Transaction summary file
	R2 T2	ATM withdraw within limit	Withdrawals within $1,000 per time in ATM	withdraw account number withdraw amount	Valid Accounts List File	Successful to withdraw in ATM per time	Valid accounts list file Transaction summary file
Withdrawals above $5,000 daily should be rejected in ATM mode	R3 T1	ATM withdraws above daily limit	Cannot withdraw if the daily withdraw amount exceeds $5,000 in ATM	withdraw account number withdraw amount	Valid Accounts List File	Error prompt for daily withdrawals amount in ATM exceeds	Valid accounts list file Transaction summary file
	R3 T2	ATM withdraw within daily limit	Withdrawals within $5,000	withdraw account number withdraw amount (repeat several times)	Valid Accounts List File	Successful to withdraw within daily amount	Valid accounts list file Transaction summary file
Withdrawals above $999,999.99 should be rejected in agent mode	R4 T1	Agent withdraws exceeds	Cannot withdrawals if the withdrawals amount exceeds $999,999.99 in agent mode	withdraw account number withdraw amount (repeat several times)	Valid Accounts List File	Error prompt for withdrawals amount exceeds in agent mode	Valid accounts list file Transaction summary file
	R4 T2	Agent withdraw	Withdrawals in agent mode	withdraw account number withdraw amount	Valid Accounts List File	Successful to withdraw in agent mode	Valid accounts list file Transaction summary file

Transfer:

Requirement	Test No.	Test Name	Purpose	Input	Input Files	Output	Output Files
Only accepted if both from and to account numbers are valid	R1 T1	Invalid from number transfer	Cannot transfer if the from account number is invalid	transfer account number account number transfer amount	Valid accounts list file	Error prompt for invalid from account number	Transaction summary file Valid accounts list file
	R1 T2	Invalid to number transfer	Cannot transfer if the account number is invalid	transfer account number account number transfer amount	Valid accounts list file	Error prompt for invalid to account number	Transaction summary file Valid accounts list file
Transfer amounts should be rejected if over $10,000 daily in ATM mode	R2 T1	ATM transfer over limit	Cannot transfer if the amount exceeds the limit	transfer account number account number transfer amount (repeat several times)	Valid accounts list file	Error prompt for exceeding the atm limit	Transaction summary file Valid accounts list file
	R2 T2	ATM transfer within limit	Transfer within the limit	transfer account number account number transfer amount	Valid accounts list file	Successful to transfer in ATM per time	Transaction summary file Valid accounts list file
Transfer amounts should not exceed $999,999.99 at one time for agent mode	R3 T1	Agent transfer exceeds	Cannot transfer if the amount exceeds the limit	transfer account number account number transfer amount	Valid accounts list file	Error prompt for exceeding the agent limit	Transaction summary file Valid accounts list file
	R3 T2	Agent transfer	Transfer within the limit	transfer account number account number transfer amount	Valid accounts list file	Successful to transfer in agent mode	Transaction summary file Valid accounts list file

Transaction Summary File

Requirement	Test No.	Test Name	Purpose	Input	Input Files	Output	Output Files
Only accepted each line is within 61 characters	R1 T1	overflow	Check if the number of characters is over 61	None	Transaction summary file	Error prompt for exceeding characters in a line	Transaction summary file
	R1 T2	each line within the limit	Check if the number of characters is within 61	None	Transaction summary file	Successfully update the transaction summary file	Transaction summary file
Transaction message needs to be formatted	R2 T1	first three characters	Check if transaction code is always the first three characters of the message line	None	Transaction summary file	Error prompt for unknown transaction code	Transaction summary file
	R2 T2	decimal digits	Check if the account numbers are always exactly seven decimal digits without beginning with 0	None	Transaction summary file	Error prompt for invalid account number format	Transaction summary file
	R2 T3	monetary amount	Check if the monetary amount is between 3 and 8 decimal digits	None	Transaction summary file	Error prompt for invalid monetary amounts	Transaction summary file
	R2 T4	valid account names	Check if the account names are between 3 and 30 alphanumeric characters	None	Transaction summary file	Error prompt for invalid account names format	Transaction summary file
	R2 T5	unused numeric fields	Check if unused numeric fields are filled with zeros	None	Transaction summary file	Error prompt for unused numeric fields not filled with zeros	Transaction summary file
	R2 T6	unused account names fields	Check if unused account names fields are filled with asterisks	None	Transaction summary file	Error prompt for unused account name fields not filled with asterisks	Transaction summary file
	R2 T7	EOS transaction code	Check if the end with EOS transaction code	None	Transaction summary file	Error prompt for not ending with EOS transaction code	Transaction summary file
	R2 T8	formatted transaction message	Check if the transaction message is formatted	None	Transaction summary file	Successful update the transaction summary file	Transaction summary file

Valid Accounts List File

Requirement	Test No.	Test Name	Purpose	Input	Input Files	Output	Output Files
Only accepted each line is exactly 7 characters	R1 T1	line size incorrect	Check if the number of characters each line is exactly 7	None	Valid accounts list file	Error prompt for each line not exactly 7 characters	Valid accounts list file
	R1 T2	line size corrects with format	Check if the number of characters each line is 7	None	Valid accounts list file	Accounts list file is valid	Valid accounts list file
Only accepted account numbers are exactly 7 digits	R2 T1	invalid account numbers	Check if account number is always the 7 digits not starting from 0	None	Valid accounts list file	Error prompt for invalid account number format	Valid accounts list file
Only accepted the list ends with the special account number 0000000	R3 T1	ending with special amount	Check if the list ends with the special account number 0000000	None	Valid accounts list file	Error prompt for not ending with 0000000	Valid accounts list file