

Requirement	Test No.	Test Name	Purpose	Input	Input files	Output	Output files
Login Test Case							
Accept valid login operation	T1.0	successfully login ATM case	Valid login input should be accepted by program in ATM mode	login atm logout	valid account file with list of accounts	Successfully Login. Successfully entered ATM mode.	File with EOS
	T1.1	successfully login agent case	Valid login input should be accepted by program in agent mode	login agent logout	valid account file with list of accounts	Successfully login. Successfully entered agent mode.	File with EOS
After ATM login, only accepted unprivileged transactions	T1.2	Unprivileged transaction deposit in atm mode	Test if and only if user input unprivileged transaction is accepted in ATM mode	login atm deposit logout	valid account file with list of accounts	Successfully Login. Successfully atm mode. Please input an account number.	File with EOS
	T1.3	unprivileged transaction transfer is accepted in ATM mode	Test if and only if user input unprivileged transaction is accepted in ATM mode	login atm transfer logout	valid account file with list of accounts	Successfully Login. Successfully entered ATM mode. Please input an account number.	File with EOS
	T1.4	unprivileged transaction withdraw is accepted in ATM mode	Test if and only if user input unprivileged transaction is accepted in ATM mode	Login Atm Withdraw logout	valid account file with list of accounts	Successfully Login. Successfully entered ATM mode. Please input an account number.	File with EOS
	T1.5	privileged transaction is denied in ATM mode	Test if and only if user input unprivileged transaction is accepted in ATM mode	login atm createacct logout	valid account file with list of accounts	Successfully Login. Successfully entered ATM mode. Invalid option	File with EOS
	T1.6	privileged transaction is denied in ATM mode	Test if and only if user input unprivileged transaction is accepted in ATM mode	Login Atm Deleteacct logout	valid account file with list of accounts	Successfully Login. Successfully entered ATM mode. Invalid option	File with EOS
	T1.7	deposit accepted in agent mode	all transactions should be accepted after successfully login agent mode	Login agent deposit logout	valid account file with list of accounts	Successfully login. Successfully entered agent mode. Please enter the deposit account number.	File with EOS
After agent login, all transactions are accepted	T1.8	withdraw accepted in agent mode	all transactions should be accepted after successfully login agent mode	Login agent withdraw logout	valid account file with list of accounts	Successfully login. Successfully entered agent mode. Please enter the withdraw account number.	File with EOS
	T1.9	transfer accepted in agent mode	all transactions should be accepted after successfully login ATM mode	Login agent transfer logout	valid account file with list of accounts	Successfully login. Successfully entered agent mode. Please enter the transfer account number.	File with EOS

Accept valid logout operation	T1.0	Valid logout ATM case	Valid logout input should be accepted by program in ATM mode	login atm logout	valid account file with list of accounts	Successfully login. Successfully entered ATM mode. Successfully logout.	File with EOS
	T1.1	Valid logout agent case	Valid logout input should be accepted by program in agent mode	login agent logout	valid account file with list of accounts	Successfully login. Successfully entered agent mode. Successfully logout.	File with EOS
Deny logout with invalid logout command	T1.2	Invalid command – logout before login	Assure logout command is not accepted before login	logout login atm logout	valid account file with list of accounts	Error: Invalid logout command! Successfully login. Successfully entered ATM mode. Successfully logout.	File with EOS
	T1.3	Invalid command – logout after logout	Assure logout command is not accepted after login	login atm logout logout	valid account file with list of accounts	Successfully login. Successfully entered ATM mode. Successfully logout. Error: Please login first!	File with EOS
No other command is accepted after logout except login	T1.4	Invalid command – transaction request after logout (ATM)	Assure transaction command is accepted after ATM logout	login atm logout transfer	valid account file with list of accounts	Successfully login. Successfully entered ATM mode. Successfully logout. Error: Please login first!	File with EOS
	T1.5	Invalid command – deposit request after logout (ATM)	Assure deposit command is accepted after ATM logout	login atm logout deposit	valid account file with list of accounts	Successfully login. Successfully entered ATM mode. Successfully logout. Error: Please login first!	File with EOS
	T1.6	Invalid command – withdraw request after logout (ATM)	Assure deposit command is accepted after ATM logout	login atm logout withdraw	valid account file with list of accounts	Successfully login. Successfully entered ATM mode. Successfully logout. Error: Please login first!	File with EOS
	T1.7	Invalid command – create account request after logout(agent)	Assure createacct privileged command is accepted after agent logout	login agent logout createacct	valid account file with list of accounts	Successfully login. Successfully entered agent mode. Successfully logout. Error: Please login first!	File with EOS
	T1.8	Invalid command – delete account request after logout(agent)	Assure deleteacct privileged command is accepted after agent logout	login agent logout deleteacct	valid account file with list of accounts	Successfully login. Successfully entered agent mode. Successfully logout. Error: Please login first!	File with EOS
Deny mistyping command	T1.9	Mistyping logout command	Assure Mistyping logout command is not accepted	login agent logout logout	valid account file with list of accounts	Successfully login. Successfully entered agent mode. Error: Invalid command! Successfully logout.	File with EOS
	T2.0	Transaction commands are accepted after mistyping logout command	Assure request is accepted after failed logout	login atm logout transfer	valid account file with list of accounts	Successfully login. Successfully entered agent mode. Error: Invalid command! Please enter the transfer accounts.	File with EOS
Createaccount Test Case							
Accept valid createaccount operation with the correct new account number and name	T1.0	createaccount command, successful case	check that createaccount is accepted when creating a new account with the different account number from all other current numbers	login agent createaccount 1000601 TheCreatedAccount01 logout	the valid accounts file with an account 1000600 in it	the new account 1000601 000 TheCreatedAccount01 is created.	the transaction summary file with the transaction NEW 1000666 000 0000000 TheCreatedAccount01 and EOS

For createaccount operation, new account number must be different from all other current account numbers	T1.1	createaccount command, failed case with the same account	check that createaccount is not accepted when creating a new account with the same account number from the current account number	login agent createaccount 1000600 TheCreatedAccount01 logout	the valid accounts file with an account 1000600 in it	the account number "1000600" already exists in current account numbers! Please use other account numbers.	the transaction summary file with EOS
For createaccount operation, new account number is exactly seven decimal digits not beginning with 0	T1.2	createaccount command, failed case with the account number which is more than seven decimal digits	check that createaccount is not accepted when creating a new account with the account number which is more than seven decimal digits	login agent createaccount 100060100000 TheCreatedAccount01 logout	the valid accounts file with an account 1000600 in it	the new account number must be exactly seven decimal digits beginning with 1-9	the transaction summary file with EOS
	T1.3	createaccount command, failed case with the account number which is less than seven decimal digits	check that createaccount is not accepted when creating a new account with the account number which is less than seven decimal digits	login agent createaccount 1000 TheCreatedAccount01 logout	the valid accounts file with an account 1000600 in it	the new account number must be exactly seven decimal digits beginning with 1-9	the transaction summary file with EOS
	T1.4	createaccount command, failed case with the account number which beginning with 0	check that createaccount is not accepted when creating a new account with the account number which beginning with 0	login agent createaccount 0000601 TheCreatedAccount01 logout	the valid accounts file with an account 1000600 in it	the new account number must be exactly seven decimal digits beginning with 1-9	the transaction summary file with EOS
	T1.5	createaccount command, failed case with the account number which includes the alphanumeric characters	check that createaccount is not accepted when creating a new account with the account number which includes the letters	login agent createaccount 1aaaaa1 TheCreatedAccount01 logout	the valid accounts file with an account 1000600 in it	the new account number must be exactly seven decimal digits beginning with 1-9	the transaction summary file with EOS
	T1.6	createaccount command, failed case with the account name which is more than 30 alphanumeric characters	check that createaccount is not accepted when creating a new account with the account name which is more than 30 alphanumeric characters	login agent createaccount 1000601 TTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTTT logout	the valid accounts file with an account 1000600 in it	the new account name should between 3 and 30 alphanumeric characters, and not beginning or ending with a space.	the transaction summary file with EOS
For createaccount operation, new account name is between 3 and 30 alphanumeric characters, possibly including spaces but not beginning or ending with a space	T1.7	createaccount command, failed case with the account name which is less than 3 alphanumeric characters	check that createaccount is not accepted when creating a new account with the account name which is less than 30	login agent createaccount 1000601 TT logout	the valid accounts file with an account 1000600 in it	the new account name should between 3 and 30 alphanumeric characters, and not beginning or ending with a space.	the transaction summary file with EOS

			alphanumeric characters				
	T1.8	createaccount command, failed case with the account name which beginning with a space	check that createaccount is not accepted when creating a new account with the account name which beginning with a space	login agent createaccount 1000601 CreatedAccount01 logout	the valid accounts file with an account 1000600 in it	the new account name should between 3 and 30 alphanumeric characters, and not beginning or ending with a space.	the transaction summary file with EOS
	T1.9	createaccount command, failed case with the account name which ending with a space	check that createaccount is not accepted when creating a new account with the account name which ending with a space	login agent createaccount 1000601 TheCreatedAccount logout	the valid accounts file with an account 1000600 in it	the new account name should between 3 and 30 alphanumeric characters, and not beginning or ending with a space.	the transaction summary file with EOS
Deleteaccount Test Case							
Accept valid deleteacct operation with the correct account number and account name	T1.0	deleteacct command, successful case	check that deleteacct is accepted when deleting a valid account	login agent deleteacct 1000600 TestAccount01 logout	the valid accounts file with an account 1000600 in it	the account 1000600 000 TestAccount01 is deleted	the transaction summary file with the transaction DEL 1000600 000 0000000 TestAccount01 and EOS
For deleteacct operation, should check that the account number and name is valid	T1.1	deleteacct command, failed case with nonexistent account number	check that deleteacct is not accepted when deleting an account with nonexistent account number	login agent deleteacct 9000600 TestAccount01 logout	the valid accounts file with an account 1000600 in it	the account number "9000600" is not existent	the transaction summary file with EOS
	T1.2	deleteacct command, failed case with nonexistent account name	check that deleteacct is not accepted when deleting an account with nonexistent account number	login agent deleteacct 1000600 TestAccount99 logout	the valid accounts file with an account 1000600 in it	the account name "TestAccount99" is not existent	the transaction summary file with EOS
	T1.3	deleteacct command, failed case with the account number which is more than seven decimal digits	check that deleteacct is not accepted when the account number which is more than seven decimal digits	login agent deleteacct 100060100000 TheCreatedAccount01 logout	the valid accounts file with an account 1000600 in it	the account number to delete must be exactly seven decimal digits beginning with 1-9	the transaction summary file with EOS
	T1.4	deleteacct command, failed case with the account number which is less than seven decimal digits	check that deleteacct is not accepted when the account number which is less than seven decimal digits	login agent deleteacct 1000 TheCreatedAccount01 logout	the valid accounts file with an account 1000600 in it	the account number to delete must be exactly seven decimal digits beginning with 1-9	the transaction summary file with EOS
	T1.5	deleteacct command, failed case with the account number which beginning with 0	check that deleteacct is not accepted when the account number which beginning with 0	login agent deleteacct 0000601 TheCreatedAccount01 logout	the valid accounts file with an account 1000600 in it	the account number to delete must be exactly seven decimal digits beginning with 1-9	the transaction summary file with EOS

	T1.6	deleteacct command, failed case with the account number which includes the alphanumeric characters	check that createaccount is not accepted when the account number which includes the letters	login agent deleteacct 1aaaaa1 TheCreatedAccount01 logout	the valid accounts file with an account 1000600 in it	the account number to delete must be exactly seven decimal digits beginning with 1-9	the transaction summary file with EOS
No further transactions should be accepted on a deleted account	T1.7	deleteacct command, failed case with other transactions to a deleted account	check that other transactions such as deposit is not accepted to an account when the account is deleted	login agent deleteacct 1000600 TestAccount01 Deposit logout	the valid accounts file with an account 1000600 in it	the account 1000600 000 TestAccount01 is deleted; the account number "1000600" is not existent in current accounts!	the transaction summary file with the transaction DEL 1000600 000 0000000 TestAccount01 and EOS
Deposit test case							
Accept valid deposit operation	T1.0	Successfully deposit in ATM mode	Valid input should be accepted in ATM mode	Login Atm Deposit 1000327 001 Logout	Valid account list with input account	Successfully deposit	transaction file with transaction
	T1.1	Successfully deposit in agent mode	Valid input should be accepted in agent mode	Login agent Deposit 1000327 001 logout	Valid account list with input account	Successfully deposit	transaction file with transaction
Deposit should check if the account is valid	T1.2	deposit with invalid account (start with 0) ATM mode	Assure invalid account is not accepted in ATM mode	Login Atm Deposit 0000327	Valid account list	Error: invalid account	EOS
	T1.3	deposit with invalid account (less than 7 digits) ATM mode	Assure invalid account is not accepted in ATM mode	Login Atm Deposit 327 logout	Valid account list	Error: invalid account	EOS
	T1.4	deposit with invalid account (more than 7 digits) ATM mode	Assure invalid account is not accepted in ATM mode	Login Atm Deposit 10003278 Logout	Valid account list	Error: invalid account	EOS
	T1.5	deposit with invalid account (mix with characters) ATM mode	Assure invalid account is not accepted in ATM mode	Login Atm Deposit 327@abc	Valid account list	Error: invalid account	EOS
	T1.6	deposit with invalid account (start with 0) agent mode	Assure invalid account is not accepted in agent mode	Login agent Deposit 0000327 Logout	Valid account list	Error: invalid account	EOS
	T1.7	deposit with invalid account (less than 7 digits) agent mode		Login agent Deposit 327 Logout	Valid account list	Error: invalid account	EOS
	T1.8	deposit with invalid account (more than 7 digits) agent mode		Login Agent Deposit 10003278 Logout	Valid Account list	Error: invalid account	EOS
	T1.9	deposit with invalid account		Login Agent Deposit	Valid account list	Error: invalid account	EOS

		(mix with characters) agent mode		327@abc Logout			
Deny deposit with non-exists account	T2.0	Non-exists account in ATM mode	Assure non-exists account is not accepted in ATM mode	Login Atm Deposit 1000327 Logout	Valid account list <u>without</u> input account	Error: Non-exists account	EOS
	T2.1	Non-exists account in agent mode	Assure non-exists account is not accepted in agent mode	Login agent Deposit 1000327 Logout	Valid account list <u>without</u> input account	Error: Non-exists account	EOS
Deny deposit with invalid amount	T2.2	Invalid amount (underflow) ATM mode	Assure invalid amount is not accepted In ATM mode	Login Atm Deposit 1000327 0 Logout	Valid account list with input account	Error: invalid amount	EOS
	T2.3	Invalid amount (overflow) ATM mode	Assure invalid amount is not accepted In ATM mode	Login Atm Deposit 1000327 100000000 Logout	Valid account list with input account	Error: invalid amount	EOS
	T2.4	Invalid amount (mix-up) ATM mode	Assure invalid amount is not accepted In ATM mode	Login Atm Deposit 1000327 Jk520@ Logout	Valid account list with input account	Error: invalid amount	EOS
	T2.5	Invalid amount (underflow) Agent mode	Assure invalid amount is accepted in agent mode	Login Agent Deposit 1000327 0 Logout	Valid account with input account	Error: invalid amount	EOS
	T2.6	Invalid amount (overflow) Agent mode	Assure invalid amount is accepted in agent mode	Login Agent Deposit 1000327 100000000 Logout	Valid account with input account	Error: invalid amount	EOS
	T2.7	Invalid amount (mix-up)	Assure invalid amount is accepted in agent mode	Login Atm Deposit 1000327 Jk520@ Logout	Valid account with input account	Error: invalid amount	EOS
Deny deposit above \$2,000 in ATM mode	T2.8	Exceed limit in ATM mode	Assure in ATM mode, deposit above \$2,000 should be rejected	Login Atm Deposit 1000327 200100 Logout	Valid account with input account	Error: exceed the limit amount	EOS
In ATM mode, the daily deposit limit is \$5,000 per account	T2.9	Exceed total deposit limit	Each account can only be deposited within \$5,000 per day	Login Atm Deposit 1000327 001 Logout	Valid account with input account, but the account is already deposited \$5,000 today	Error: Exceed the limit amount	EOS
Withdraw test case							
Accept valid withdraw request	T1.0	Successfully withdraw in ATM mode	Valid withdraw request should be accepted in ATM mode	Login Atm Withdraw 1000327 10000000 Logout	Valid account list with input account	Successfully withdraw 100,000.00 From your account	transaction file with transaction

	T1.1	Successfully withdraw in agent mode	Valid withdraw request should be accepted in agent mode	Login agent Withdraw 1000327 10000000 Logout	Valid account list with input account	Successfully withdraw 100,000.00 From your account	transaction file with transaction
withdraw should check if the account number is valid	T1.2	Withdraw with invalid account (start with 0) ATM mode	Invalid withdraw request should be denied in ATM mode	Login Atm Withdraw 0000327 Logout	Valid account list	Error: invalid account	EOS
	T1.3	Withdraw with invalid account (less than 7 digits) ATM mode	Invalid withdraw request should be denied in ATM mode	Login atm Withdraw 327 Logout	Valid account list	Error: Invalid account	EOS
	T1.4	Withdraw with invalid account (more than 7 digits)	Invalid withdraw request should be denied in ATM mode	Login Atm Withdraw 10003278 Logout	Valid account list	Error: Invalid account	EOS
	T1.5	Withdraw with invalid account (mix up with characters) ATM mode	Invalid withdraw request should be denied in ATM mode	Login Atm Withdraw 321@abc Logout	Valid account list	Error: invalid account	EOS
	T1.6	Withdraw with invalid account (start with 0) agent mode	Invalid withdraw request should be denied in agent mode	Login agent Withdraw 0000327 Logout	Valid account list	Error: invalid account	EOS
	T1.7	Withdraw with invalid account (less than 7 digits) agent mode	Invalid withdraw request should be denied in agent mode	Login agent Withdraw 327 Logout	Valid account list	Error: Invalid account	EOS
	T1.8	Withdraw with invalid account (more than 7 digits) agent mode	Invalid withdraw request should be denied in agent mode	Login Agent Withdraw 10003278 Logout	Valid account list	Error: Invalid account	EOS
	T1.9	Withdraw with invalid account (mix up with characters) agent mode	Invalid withdraw request should be denied in agent mode	Login agent Withdraw 321@abc Logout	Valid account list	Error: invalid account	EOS
Deny withdraw with non-exists account	T2.0	Withdraw with non-exists account	Non-exists account Should be denied in ATM mode	Login Atm Withdraw 1000327 Logout	Valid account list <u>without</u> input account	Error: non-exists account	EOS
	T2.1	Withdraw with non-exists account	Non-exists account Should be denied in agent mode	Login Agent Withdraw 1000327 Logout	Valid account list <u>without</u> input account	Error: non-exists account	EOS
Deny withdraw with invalid amount	T2.2	Invalid amount (underflow) ATM mode	Assure invalid amount is not accepted In ATM mode	Login Atm withdraw 1000327 0 Logout	Valid account list with input account	Error: invalid amount	EOS
	T2.3	Invalid amount (overflow) ATM mode	Assure invalid amount is not accepted In ATM mode	Login Atm Withdraw 1000327 100000000 Logout	Valid account list with input account	Error: invalid amount	EOS

	T2.4	Invalid amount (mix-up) ATM mode	Assure invalid amount is not accepted In ATM mode	Login Atm withdraw 1000327 Jk520@ Logout	Valid account list with input account	Error: invalid amount	EOS
	T2.5	Invalid amount (underflow) Agent mode	Assure invalid amount is accepted in agent mode	Login Agent Withdraw 1000327 0 Logout	Valid account with input account	Error: invalid amount	EOS
	T2.6	Invalid amount (overflow) Agent mode	Assure invalid amount is accepted in agent mode	Login Agent Withdraw 1000327 100000000 Logout	Valid account with input account	Error: invalid amount	EOS
	T2.7	Invalid amount (mix-up) Agent mode	Assure invalid amount is accepted in agent mode	Login Agent Withdraw 1000327 Jk520@ Logout	Valid account with input account	Error: invalid amount	EOS
Deny withdraw above \$1,000 in ATM mode	T2.8	Exceed limit in ATM mode	Assure in ATM mode, withdraw above \$1,000 should be rejected	Login Atm Withdraw 1000327 100100 Logout	Valid account with input account	Error: exceed the limit amount	EOS
In ATM mode, the daily withdraw limit is \$5,000 per account	T2.9	Exceed total withdraw limit	Each account can only be withdrawn within \$5,000 per day	Login Atm Withdraw 1000327 001 Logout	Valid account with input account, but the account is already withdrawn \$5,000 today	Error: Exceed the limit amount	EOS
Transfer test case							
Valid transfer request is accepted	T1.0	Successfully transfer in atm mode	Assure correct transfer request is accepted	Login Atm Transfer 1000327 1000328 001 Logout	Valid account list with input accounts	Successfully transferred	transaction file with transaction
	T1.1	Successfully transfer in atm mode	Assure correct transfer request is accepted	Login Agent Transfer 1000327 1000328 001 Logout	Valid account list with input accounts	Successfully Transferred	transaction file with transaction
Deny Transfer with incorrect sender's number	T1.2	Wrong account (start with 0) transfer in ATM mode	Wrong sender's number is not accepted in atm mode	Login Atm Transfer 0000327 Logout	Valid account list	Error: incorrect account	EOS
	T1.3	Wrong account (less than 7 digits) in ATM mode	Wrong sender's number is not accepted in atm mode	Login Atm Transfer 100327 Logout	Valid account list	Error: incorrect account	EOS
	T1.4	Wrong account (greater than 7 digits) in ATM mode	Wrong sender's number is not accepted in atm mode	Login Atm Transfer 10003278 Logout	Valid account list	Error: incorrect account	EOS
	T1.5	Wrong account (mix with characters) in ATM mode	Wrong sender's number is not accepted in atm mode	Login Atm Transfer 237@abc Logout	Valid account list	Error: incorrect account	EOS

	T1.6	Wrong account (start with 0) transfer in agent mode	Wrong sender's number is not accepted in agent mode	Login agent Transfer 0000327 Logout	Valid account list	Error: incorrect account	EOS
	T1.7	Wrong account (less than 7 digits) in agent mode	Wrong sender's number is not accepted in agent mode	Login agent Transfer 100327 Logout	Valid account list	Error: incorrect account	EOS
	T1.8	Wrong account (greater than 7 digits) in agent mode	Wrong sender's number is not accepted in agent mode	Login agent Transfer 10003278 Logout	Valid account list	Error: incorrect account	EOS
	T1.9	Wrong account (mix with characters) in agent mode	Wrong sender's number is not accepted in agent mode	Login Agent Transfer 237@abc Logout	Valid account list	Error: incorrect account	EOS
Deny Transfer with incorrect receiver's number	T2.0	Wrong receiver's account (start with 0) transfer in ATM mode	Wrong receiver's account is not accepted in atm mode	Login Atm Transfer 1000327 0008298 Logout	Valid account list	Error: incorrect account	EOS
	T2.1	Wrong receiver's account (less than 7 digits) in ATM mode	Wrong receiver's account is not accepted in atm mode	Login Atm Transfer 1000327 8298 Logout	Valid account list	Error: incorrect account	EOS
	T2.2	Wrong receiver's account (greater than 7 digits) in ATM mode	Wrong receiver's account is not accepted in atm mode	Login Atm Transfer 1000327 10000327 Logout	Valid account list	Error: incorrect account	EOS
	T2.3	Wrong receiver's account (mix with characters) in ATM mode	Wrong receiver's account is not accepted in atm mode	Login Atm Transfer 1000327 237@abc Logout	Valid account list	Error: incorrect account	EOS
Deny Transfer with incorrect receiver's number	T2.4	Wrong receiver's account (start with 0) transfer in agent mode	Wrong receiver's account is not accepted in agent mode	Login Agent Transfer 1000327 0008298 Logout	Valid account list	Error: incorrect account	EOS
	T2.5	Wrong receiver's account (less than 7 digits) in agent mode	Wrong receiver's account is not accepted in agent mode	Login agent Transfer 1000327 8298 Logout	Valid account list	Error: incorrect account	EOS
	T2.6	Wrong receiver's account (greater than 7 digits) in agent mode	Wrong receiver's account is not accepted in agent mode	Login agent Transfer 1000327 10000327 Logout	Valid account list	Error: incorrect account	EOS
	T2.7	Wrong receiver's account (mix with characters) in agent mode	Wrong receiver's account is not accepted in agent mode	Login agent Transfer 1000327 237@abc Logout	Valid account list	Error: incorrect account	EOS
Transfer cannot be done when account is nonexistent	T2.8	Non-exists sender's account in atm mode	Non-exists sender's request is not accepted In atm mode	Login atm Transfer 1000327 Logout	Valid account without 1000327	Error: non-exists account	EOS

	T2.9	Non-exists receiver's account in atm mode	Non-exists receiver's request is not accepted in atm mode	Login Atm Transfer 1000327 1000328 Logout	Valid account with 1000327 but without 1000328	Error: non-exists account	EOS
	T3.0	Non-exists sender's account in agent mode	Non-exists sender's request is not accepted in agent mode	Login Agent Transfer 1000327 Logout	Valid account without 1000327	Error: non-exists account	EOS
	T3.1	Non-exists receiver's account in agent mode	Non-exists receiver's request is not accepted in agent mode	Login Agent Transfer 1000327 1000328 Logout	Valid account with 1000327 but without 1000328	Error: non-exists account	EOS
Transfer cannot be accepted with incorrect amount	T3.2	Transfer with Invalid amount (underflow) atm mode	Invalid transfer amount is not accepted in atm mode	Login atm Transfer 1000327 1000328 1 Logout	Valid account with 1000327 and 1000328	Error: invalid amount	EOS
	T3.3	Transfer with Invalid amount (overflow) atm mode	Invalid transfer amount is not accepted in atm mode	Login atm Transfer 1000327 1000328 100000000 Logout	Valid account with 1000327 and 1000328	Error: invalid amount	EOS
	T3.4	Transfer with Invalid amount (mix-up) atm mode	Invalid transfer amount is not accepted in atm mode	Login atm Transfer 1000327 1000328 100@abc Logout	Valid account with 1000327 and 1000328	Error: invalid amount	EOS
	T3.5	Transfer with Invalid amount (underflow) agent mode	Invalid transfer amount is not accepted in atm mode	Login agent Transfer 1000327 1000328 1 Logout	Valid account with 1000327 and 1000328	Error: invalid amount	EOS
	T3.6	Transfer with Invalid amount (overflow) agent mode	Invalid transfer amount is not accepted in atm mode	Login agent Transfer 1000327 1000328 100000000 Logout	Valid account with 1000327 and 1000328	Error: invalid amount	EOS
	T3.7	Transfer with Invalid amount (mix-up) agent mode	Invalid transfer amount is not accepted in atm mode	Login agent Transfer 1000327 1000328 100@abc Logout	Valid account with 1000327 and 1000328	Error: invalid amount	EOS
	T3.8	Exceed transfer limit in ATM mode	Assure in ATM mode, transfer above \$10,000 should be rejected	Login Atm transfer 1000327 1000328 1000100 Logout	Valid account with input account	Error: exceed the limit amount	EOS
In ATM mode, the daily withdraw limit is \$10,000 per account	T3.9	Exceed total transfer limit	Each account can only be transferred within \$10,000 per day	Login Atm Transfer 1000327 1000328 001 Logout	Valid account with input account, but the account is already transferred \$10,000 today	Error: Exceed the limit amount	EOS

