

	Test Number	Test name	Purpose	Console Input File	Data Input File	Console Output File	Data Output File
<b>LOGIN</b>							
	1a	inputBeforeLogin	Test to see that login is accepted	1a.txt	N/A	o1a.txt	N/A
	1b	inputBeforeLogin	Test to see that no input other than login is accepted	1b.txt	N/A	o1b.txt	N/A
	2a	loginAfterLogin	Test to see that no subsequent login is accepted after the system is already logged in	2a.txt	N/A	o2a.txt	N/A
	3a	ATMAuthorization	Test to see that privileged transactions are not accepted in ATM.	3a.txt	N/A	o3a.txt	o3a_TSF.txt
	3b	ATMAuthorization	Test to see that unprivileged actions are accepted in ATM.	3b.txt	N/A	o3b.txt	o3b_TSF.txt
	3c	ATMAuthorization	Test to see that invalid input is denied in ATM.	3c.txt	N/A	03c.txt	o3c_TSF.txt
	4a	AgentAuthorization	Test to see that all valid transactions are accepted in Agent.	4a.txt	vaf0.txt	o4a.txt	o4a_TSF.txt
	4b	AgentAuthorization	Test to see that all invalid transactions are not accepted in Agent.	4b.txt	N/A	04b.txt	o4b_TSF.txt
	4c	AgentAuthorization	Test to see that invalid input is denied in Agent.	4c.txt	N/A	o4c.txt	o4c_TSF.txt
	5a	invalidTypeSession	Test to see that the only session input accepted is ATM or agent	5a.txt	N/A	o5a.txt	N/A
	5b	invalidTypeSession	Test to see that the invalid input is not accepted.	5b.txt	N/A	o5b.txt	N/A
	6a	AccountsFileRead	Test to see if accounts file is read and and transactions are possible after type is accepted	6a.txt	vaf2.txt	o6a.txt	N/A
<b>LOGOUT</b>							
	7a	inputAfterLogout	Test to see that login is accepted after a logout	7a.txt	N/A	o7a.txt	o7a_TSF.txt
	7b	inputAfterLogout	Test to see that no input is accepted after a logout, other than login	7b.txt	N/A	o7b.txt	o7b_TSF.txt
	8a	TSFLogout	Test to see if a TSF is produced after log out	8a.txt	N/A	N/A	N/A
<b>CREATE ACCOUNT</b>							
	9a	createAccountNumber	Test to see that valid account number is accepted.	9a.txt	vaf0.txt	o9a.txt	o9a_TSF.txt
	9b	createAccountNumber	Test to see that account number beginning with zero is rejected.	9b.txt	vaf0.txt	o9b.txt	o9b_TSF.txt
	9c	createAccountNumber	Test to see that account number without 7 digits is rejected.	9c.txt	vaf0.txt	o9c.txt	o9c_TSF.txt
	9d	createAccountNumber	Test to see that account number with alphabetical characters is rejected.	9d.txt	vaf0.txt	o9d.txt	o9d_TSF.txt
	9e	createAccountNumber	Test to see that account number with spaces is rejected.	9e.txt	vaf0.txt	o9e.txt	o9e_TSF.txt
	9f	createAccountNumber	Test to see if account number is the same as an existing account number	9f.txt	vaf1.txt	o9f.txt	o10a_TSF.txt
	10a	createAccountName	Test to see if the account name is between 3 and 30 alphanumeric characters.	10a.txt	vaf0.txt	o10a.txt	o10b_TSF.txt
	10b	createAccountName	Test to see if the account name has less than 3 characters.	10b.txt	vaf0.txt	o10b.txt	o10c_TSF.txt
	10c	createAccountName	Test to see if the account name has more than 30 characters.	10c.txt	vaf0.txt	o10c.txt	o10d_TSF.txt
	10d	createAccountName	Test to see if name is the same as an existing name.	10d.txt	vaf1.txt	o10d.txt	o10e_TSF.txt
	10e	createAccountName	Test to see if name begins or ends with a space.	10e.txt	vaf0.txt	o10e.txt	o10f_TSF.txt
	11a	unprivilegedAccess	Test to see if the account can only be made when session is set to Agent	11a.txt	vaf0.txt	o11a.txt	o11b_TSF.txt
	11b	unprivilegedAccess	Test to see if the account cannot be made when session is not set to Agent	11b.txt	vaf0.txt	o11b.txt	o11b_TSF.txt
	12a	newAccTransac	Test to see if a transaction is not accepted in the new account during the same session it is created in	12a.txt	vaf0.txt	o12a.txt	o12a_TSF.txt
<b>DELETE ACCOUNT</b>							
	13a	unprivilegedAccess	Test to see if the account can only be deleted when session is set to Agent	13a.txt	vaf1.txt	o13a.txt	o13a_TSF.txt
	13b	unprivilegedAccess	Test to see if the account cannot be deleted when session is not set to Agent	13b.txt	vaf1.txt	o13b.txt	o13b_TSF.txt
	14a	delNonExistentAccount	Test to see if delete occurs when both account number and account name exist	14a.txt	vaf1.txt	o14a.txt	o14a_TSF.txt
	14b	delNonExistentAccount	Test to see if delete does not occur when either account number or name do not exist	14b.txt	vaf1.txt	o14.txt	o14b_TSF.txt
	15a	transacAfterDelete	Test to see if createacct is accepted on a deleted account	15a.txt	vaf1.txt	o15a.txt	o15a_TSF.txt
	15b	transacAfterDelete	Test to see if a transaction (other than createacct) is accepted on a deleted account	15b.txt	vaf1.txt	o15b.txt	o15b_TSF.txt
<b>DEPOSIT</b>							
	16a	nonExistentAccount	Test to see if account number exists	16a.txt	vaf1.txt	o16a.txt	o16a_TSF.txt
	16b	nonExistentAccount	Test to see if account number does not exist	16b.txt	vaf1.txt	o16b.txt	o16b_TSF.txt
	17a	invalidDepAmountATM	Test to see if the amount is valid	17a.txt	vaf1.txt	o17a.txt	o17a_TSF.txt
	17b	invalidDepAmountATM	Test to see if there are spaces, characters, symbols in the desired amount and deny transaction	17b.txt	vaf1.txt	o17b.txt	o17b_TSF.txt
	17c	invalidDepAmountATM	Test to see if the amount is not within the limit (between 0-200000)	17c.txt	vaf1.txt	o17c.txt	o17c_TSF.txt
	18a	invalidDepAmountAgent	Test to see if the amount is valid	18a.txt	vaf1.txt	o18a.txt	o18a_TSF.txt

	18b	invalidDepAmountAgent	Test to see if there are spaces, characters, symbols in the desired amount and deny transaction	18b.txt	vaf1.txt	o18b.txt	o18b_TSF.txt
	18c	invalidDepAmountAgent	Test to see if the amount is not within the limit (between 0-99999999)	18c.txt	vaf1.txt	o18c.txt	o18c_TSF.txt
	19a	passDailyDepLimit	Test to see if the combined daily deposit is within \$5000 per account in ATM	19a.txt	vaf2.txt	o19a.txt	o19a_TSF.txt
	19b	passDailyDepLimit	Test to see if the combined daily deposit is beyond \$5000 per account in ATM	19b.txt	vaf2.txt	o19b.txt	o19b_TSF.txt
<b>WITHDRAW</b>							
	20a	nonExistentAccount	Test to see if account number exists	20a.txt	vaf1.txt	o20a.txt	o20a_TSF.txt
	20b	nonExistentAccount	Test to see if account number does not exist	20b.txt	vaf1.txt	o20b.txt	o20b_TSF.txt
	21a	invalidWithAmountATM	Test to see if the amount is valid	21a.txt	vaf1.txt	o21a.txt	o21a_TSF.txt
	21b	invalidWithAmountATM	Test to see if there are spaces, characters, symbols in the desired amount and deny transaction	21b.txt	vaf1.txt	o21b.txt	o21b_TSF.txt
	21c	invalidWithAmountATM	Test to see if the amount is not within the limit (between 0-100000)	21c.txt	vaf1.txt	o21c.txt	o21c_TSF.txt
	22a	invalidWithAmountAgent	Test to see if the amount is valid	22a.txt	vaf1.txt	o22a.txt	o22a_TSF.txt
	22b	invalidWithAmountAgent	Test to see if there are spaces, characters, symbols in the desired amount and deny transaction	22b.txt	vaf1.txt	o22b.txt	o22b_TSF.txt
	22c	invalidWithAmountAgent	Test to see if the amount is not within the limit (between 0-99999999)	22c.txt	vaf1.txt	o22c.txt	o22c_TSF.txt
	23a	passDailyWithLimit	Test to see if the combined daily withdraw is within \$5000 per account in ATM	23a.txt	vaf1.txt	o23a.txt	o23a_TSF.txt
	23b	passDailyWithLimit	Test to see if the combined daily withdraw is beyond \$5000 per account in ATM	23b.txt	vaf1.txt	o23b.txt	o23b_TSF.txt
<b>TRANSFER</b>							
	24a	nonExistentAccount	Test to see if account number exists	24a.txt	vaf2.txt	o24a.txt	o24a_TSF.txt
	24b	nonExistentAccount	Test to see if account number does not exist	24b.txt	vaf2.txt	o24b.txt	o24b_TSF.txt
	25a	invalidAmount	Test to see if the amount is valid	25a.txt	vaf2.txt	o25a.txt	o25a_TSF.txt
	25b	invalidAmount	Test to see if the amount is not valid	25b.txt	vaf2.txt	o25b.txt	o25b_TSF.txt
	26a	passTransLimit	Test to see if the transfer amount is within the limit for ATM (between 0 - 1000000)	26a.txt	vaf2.txt	o26a.txt	o26a_TSF.txt
	26b	passTransLimit	Test to see if the transfer amount is beyond the limit for ATM (between 0 - 1000000)	26b.txt	vaf2.txt	o26b.txt	o26b_TSF.txt
	26c	passTransLimit	Test to see if the transfer amount is within the limit for Agent (between 0 - 999999999)	26c.txt	vaf2.txt	o26c.txt	o26c_TSF.txt
	26d	passTransLimit	Test to see if the transfer amount is beyond the limit for Agent (between 0 - 999999999)	26d.txt	vaf2.txt	o26d.txt	o26d_TSF.txt
	27a	passDailyTransLimit	Test to see if the total transfer amount is within the daily limit (1000000 in ATM)	27a.txt	vaf2.txt	o27a.txt	o27a_TSF.txt
	27b	passDailyTransLimit	Test to see if the total transfer amount is beyond the daily limit (1000000 in ATM)	27b.txt	vaf2.txt	o27b.txt	o27b_TSF.txt
	28a	transAccDiff	Test to see if the accounts during a transfer are different accounts	28a.txt	vaf2.txt	o28a.txt	o28a_TSF.txt
	28b	transAccDiff	Test to see that accounts that are the same during a transfer transaction is rejected	28b.txt	vaf2.txt	o28b.txt	o28b_TSF.txt
<b>TSF</b>							
	29a	validTSFMessage	Test to see if the transaction message follows the format as stated in the constraints	29a.txt	N/A	N/A	N/A
	30a	correctTSFAmount	Test to see if the amount of transaction messages matches the amount of transactions for the day	30a.txt	N/A	N/A	o30a_TSF.txt
	31a	testEOS	Test to see that the file ends with the end of session transaction code	31a.txt	N/A	N/A	N/A
<b>MISCELLANEOUS</b>							
	32a	crashTest	Test to see if the system still works after 20 consecutive sessions.	32a.txt	vaf0.txt	o32a.txt	N/A
	33a	timeComplexity	Test to see if time complexity of account list is constant.	33a.txt	vaf2.txt	o33a.txt	N/A
	34a	validFormatting	Test to see if there is exactly one space between inputs on a line.	34a.txt	N/A	o34a.txt	N/A
	34b	validFormatting	Test to see if there is less or more than one space between inputs on a line.	34b.txt	N/A	o34b.txt	N/A
	35a	modeChangeNotAllowed	Test to make sure entering AGENT is not allowed when ATM is active.	35a.txt	N/A	o35a.txt	N/A
	35b	modeChangeNotAllowed	Test to make sure entering ATM is not allowed when AGENT is active.	36a.txt	N/A	o35b.txt	N/A