

Assignment 1:Front End Requirements Tests

Transac tion	Test No.	Purpose	Input	Input Files	Output Files (*deposit/withdraw) -> def need a transaction summary file with more than EOS	Terminal Output
Login	R1T1.txt	Check that you cannot logout before logging in	logout	R1I1.txt	R1O1.txt: None	error prompt to login, cannot logout before login
	R1T2.txt	Cannot create an account before logging in	createacct	R1I2.txt	R1O2.txt: None	error prompt to login, cannot create account before logging in
	R1T3.txt	Cannot delete an existing account before logging in	deleteacct	R1I3.txt	R1O3.txt: None	error prompt to login, cannot delete an existing account before logging in
	R1T4.txt	Cannot deposit into an account before logging in	deposit	R1I4.txt	R1O4.txt: None	error prompt to login, cannot deposit an account before logging in
	R1T5.txt	Cannot withdraw from an account before logging in	withdraw	R1I5.txt	R1O5.txt: None	error prompt to login, cannot withdraw from an account before logging in
	R1T6.txt	Cannot transfer between accounts before logging in	transfer	R1I6.txt	R1O6.txt: None	error prompt to login, cannot transfer between accounts before logging in

	R1T7.txt	Cannot login before logging out of previous session	login login	R1I7.txt	R1O7.txt: None	Error prompt to logout, cannot login before logging out of previous session
	R1T8.txt	Cannot create an account with unprivileged access	login atm createacct	R1I8.txt	R1O8.txt: None	Error message have to be an agent type to create account
	R1T9.txt	Cannot delete an account with unprivileged access	login atm deleteacct	R1I9.txt	R1O9.txt: None	Error message saying you have to be an agent type to delete account
	R1T10.txt	Check that creating an account works with privileged access	login agent createacct	R1I10.txt	R1O10.txt: None	Confirm they have permission
	R1T11.txt	Check that deleting an account works with privileged access	login agent deleteacct	R1I11.txt	R1O11.txt: None	Confirm they have permission
Logout	R2T1.txt	logout only possible when logged in	logout	R2I1.txt	R2O1.txt: EOS	Error: cannot logout when not logged in
	R2T2.txt	Check that after logout a transaction summary file is written	login logout	R2I2.txt	R2O2.txt: EOS	
	R2T3.txt	Cannot Logout after logout	Logout logout	R2I3.txt	R2O3.txt: EOS	Error: Logout is already done
	R2T4.txt	Cannot Transfer after logout	logout transfer	R2I4.txt	R2O4.txt: EOS	Error: Cannot Transfer after logout

	R2T5.txt	Cannot withdraw after logout	logout withdraw	R2I5.txt	R2O5.txt: EOS	Error: Cannot withdraw after logout
	R2T6.txt	Cannot deposit after logout	logout deposit	R2I6.txt	R2O6.txt: EOS	Error: Cannot deposit after logout
	R2T7.txt	Cannot create account after logout	Logout createacct	R2I7.txt	R2O7.txt: EOS	Error: Cannot create account after logout
	R2T8.txt	Cannot delete account after logout	Logout deleteacct	R2I8.txt	R2O8.txt: EOS	Error: Cannot delete account after logout
	R2T9.txt	Can login after logout	Logout login	R2I9.txt	R2O9.txt: EOS	
Createacct	R3T1.txt	Can't create account with an empty account name field	login agent createacct *** 1234567 logout	R3I1.txt	R3O1.txt	Error: Please enter an account name
	R3T2.txt	Can't create account with empty an empty account number field	login agent createacct John Doe 0000000 logout	R3I2.txt	R3O2.txt	Error: Please enter a valid account number
	R3T3.txt	Can't create account with an empty account name and account number	login agent createacct *** 0000000	R3I3.txt	R3O3.txt	Error: Please enter an account name and valid account number

			logout			
	R3T4.txt	Can't create account with an invalid account number(number starting with 0)	login agent createacct John Doe 0234567 logout	R3I4.txt	R3O4.txt	Error: Please enter a valid 7 digit number account number that does not start with 0
	R3T5.txt	Can't create account with an invalid account name	login agent createacct John Doe 1234567 logout	R3I5.txt	R3O5.txt	Error: Account name cannot begin/end with *space*
	R3T6.txt	Can't create account with invalid account name(not enough characters)	login agent createacct J 1234567 logout	R3I6.txt	R3O6.txt	Error: Account name should be between 3 and 30 alphanumeric characters
	R3T7.txt	Can't create account without a unique account number	login agent createacct John Doe 2345678 logout	R3I7.txt	R4O7.txt	Error: account number already exists

	R3T8.txt	Can't delete account in the same session	login agent createacct John Doe 1234567 deleteacct John Doe 1234567 logout	R3I8.txt	R3O8.txt	Error: Need to logout from this session, and login again to access other transactions
	R3T9.txt	Can't create account again in the same session	login agent createacct John Doe 1234567 createacct Jane Doe 1345897 logout	R3I9.txt	R3O9.txt	Error: Need to logout from this session, and login again to access other transactions
	R3T10.txt	Can't deposit in the same session	login agent createacct John Doe 1234567 deposit 1234567 1000 logout	R3I10.txt	R3O10.txt	Error: Need to logout from this session, and login again to access other transactions

	R3T11.txt	Can't withdraw from the account in the same session	login agent createacct John Doe 1234567 withdraw 1234567 1000 logout	R3I11.txt	R3O11.txt	Error: Need to logout from this session, and login again to access other transactions
	R3T12.txt	Can't transfer from this account in the same session it was created	login agent createacct John Doe 1234567 transfer 1234567 2345678 1000 logout	R3I12.txt	R3O12.txt	Error: Need to logout from this session, and login again to access other transactions
	R3T13.txt	Check if account number and account name is valid	login agent createacct John Doe 1234567 logout	R3I13.txt	R3O13.txt	Confirmed, account created
Deleteacct	R4T1.txt	Can't delete an account with an empty account number field	Login agent deleteacct John Doe logout	R4I1.txt	R4O1.txt	Error: Cannot leave account number field blank.Please enter an account number

	R4T2.txt	Can't delete an account with an empty account name field	Login agent deleteacct 1234567 logout	R4I2.txt	R4O2.txt	Error: Cannot leave account name field blank.Please enter an account name
	R4T3.txt	Can't delete an account with an account number that isn't valid	Login agent deleteacct John Snow 0123456 logout	R4I3.txt	R4O3.txt	Error:The account number is not valid, please enter a valid account number
	R4T4.txt	Can't delete an account with an account name that isn't valid	Login agent deleteacct J 1234567 logout	R4I4.txt	R4O4.txt	Error:The account name is not valid, please enter a valid account name
	R4T5.txt	Can't log in a deleted account	Login agent Deleteacct John Goal 1234567 Logout Login Atm Withdraw 1234567 1000 logout	R4I5.txt	R4O5.txt	This account has been deleted. You cannot login and perform any transactions in a deleted account.

	R4T6.txt	Check that account number and name is valid	Login agent Deleteacct John Doe 1234567 Logout	R4I6.txt	R4O6.txt	Confirmed, Account John Doe,1234567 has been deleted
	R4T7.txt	Can't have an empty account field and empty name field	Login Agent Deleteacct logout	R4I7.txt	R4O7.txt	Error: Please enter a valid account number and name
Deposit	R5T1.txt	Can't deposit to an account with an empty account number field	Login Atm Deposit 1200 logout	R5I1.txt	R5O1.txt	Error: account number is needed to deposit
	R5T2.txt	Can't deposit to an account with an empty amount to deposit field	Login Atm Deposit 1234567 logout	R5I2.txt	R5O2.txt	Error: amount field cannot be empty
	R5T3.txt	Check that the account number and amount to deposit is	Login Atm Deposit	R5I3.txt	R5O3.txt	Confirmed, \$130 has been deposited to account(1234567)

		valid in atm mode	1234567 13000 logout			
	R5T4.txt	Check that amount to deposit is valid	Login Atm Deposit 1234567 999999999 9 logout	R5I4.txt	R5O4.txt	Error: invalid amount to deposit
	R5T5.txt	Check that account number is valid, when depositing amount.	Login Atm Deposit 0234567 12000 logout	R5I5.txt	R5O5.txt	Error:Invalid account number
	R5T6.txt	Cannot enter anything non-numeric for the deposit amount	login Atm deposit 2345678 a-b.c,d?e logout	R5I6.txt	R5O6.txt	Error: invalid deposit number
	R5T7.txt	Can't deposit to an account that does not exist	Login Atm Deposit 4578975 50000 logout	R5I7.txt	R5O7.txt	Error: Account number does not exist.Please enter a valid account number to perform deposit transaction.

	R5T8.txt	Can't leave the number and deposit field empty	Login Atm Deposit logout	R5I8.txt	R5O8.txt	Error: Please enter a valid account number and deposit amount
	R5T9.txt	Can't deposit more than \$2000 in atm mode	Login Atm Deposit 1234567 300000 logout	R5I9.txt	R5O9.txt	Error: Cannot deposit more than \$2000 in atm mode, please visit an agent
	R5T10.txt	Can't deposit more than \$999,999.99 in agent mode	Login Agent Deposit 1234567 999999999 9 logout	R5I10.txt	R5O10.txt	Error: Cannot deposit more than \$999,999.99 in agent mode
	R5T11.txt	Can't deposit more than \$5000 on a single day through the atm type	Login Atm Deposit 1234567 400000	R5I11.txt	R5O11.txt	Error: You have reached your daily limit on depositing to your account. Please visit an agent.
	R5T12.txt	Check if the user can deposit from the agent log in type	Login Atm Deposit 1234567 500000	R5I12.txt	R5O12.txt	Confirmed, deposited \$5000.00 to account number 1234567

Withdraw	R6T1.txt	Can't withdraw from an invalid account number(or if account does not exist)	login atm 1234567 1000 logout	R6I1.txt	R6O1.txt	Error: Cannot withdraw from an invalid account number
	R6T2.txt	Can't withdraw more than \$1000 in atm mode	login wtm withdraw 2345678 2000000 logout	R6I2.txt	R6O2.txt	Error: cannot withdraw more than \$1000 in atm mode. Please try again in agent mode
	R6T3.txt	Can't withdraw more than \$999,999.99 in agent mode	login agent withdraw 2345678 10000000 logout	R6I3.txt	R6O3.txt	Error: you cannot withdraw more than \$999,999.99 in agent mode
	R6T4.txt	Cannot withdraw with an empty amount field	login atm withdraw 2345678 logout	R6I4.txt	R6O4.txt	Error: Please enter an amount to be withdrawn
	R6T5.txt	Cannot withdraw more than what the bank account has	login agent createacct John Doe 1234567 logout login	R6I5.txt	R6O5.txt	Error: Cannot withdraw more than the amount in bank account

			atm withdraw 1234567 10000 logout			
	R6T6.txt	Cannot withdraw with an empty account number field	login atm Withdraw 10000	R6I6.txt	R6O6.txt	Error: please enter a valid account number
	R6T7.txt	User should not be able to withdraw more than \$5000 in total on a single day, in atm mode	login atm withdraw 2345678 60000 logout	R6I7.txt	R6O7.txt	Error: you have reached your limit on the total amount that can be withdrawn on a single day.
	R6T8.txt	Check: User should be able to withdraw with the valid account number and amount in atm mode	login atm deposit 2345678 2000 logout login atm withdraw 2345678 2000 logout	R6I8.txt	R6O8.txt	Withdrew \$200 from account (2345678)
	R6T9.txt	User should be able to withdraw with the valid	login agent	R6I9.txt	R6O9.txt	Withdrew \$200 from account (2345678)

		account number and amount in agent mode	deposit 2345678 2000 logout login agent withdraw 2345678 2000 logout			
	R6T10.txt	Cannot enter anything non-numeric for the withdrawal amount	login atm withdraw 2345678 a-b.c,d?e logout	R6I10.txt	R6O10.txt	Error: you cannot enter anything non-numeric into the withdrawal amount
Transfer	R7T1.txt	Checks that accounts entered are all numbers	Login Atm Transfer 2345678 22dd678	R7I1.txt	R7O1.txt None	Error: account number may not contain letters or special characters
	R7T2.txt	Checks that accounts entered are valid	Login Atm Transfer 234567234 8	R7I2.txt	R7O2.txt None	Error: too many numbers entered for account
	R7T3.txt	Checks that outgoing account is not blank	Login Atm Transfer	R7I3.txt	R7O3.txt None	Error: only destination account number entered. Please enter the first account number

			2345678 9999			
	R7T4.tx	Checks that destination account is not blank	Login Atm Transfer 2345678 9999	R7I4.txt	R7O4.txt None	Error: destination account number is not entered. Please enter the destination account number
	R7T5.tx	Does account exist	Login Atm Transfer 2222222	R7I5.txt	R7O5.txt None	Error: this account does not exist. Please enter a valid account number
	R7T6.tx	Does destination account exist	Login Atm Transfer 2345678 2222222	R7I6.txt	R7O6.txt None	Error: destination account does not exist. Please enter a valid account number
	R7T7.tx	Is account balance greater than or equal to the amount you want to transfer	Login Atm Transfer 2345678 3456789 9999999	R7I7.txt	R7O7.txt None	Error: you do not have enough funds. Please enter a valid amount
	R7T8.tx	Transfer negative amount	Login Atm Transfer	R7I8.txt	R7O8.txt None	Error: cannot transfer a negative amount. Please enter a valid amount

			2345678 3456789 -999999			
	R7T9.txt	Transfer zero amount	Login Atm Transfer 2345678 3456789 0	R7I9.txt	R7O9.txt None	Error: cannot transfer \$0. Please enter a valid amount
	R7T10.txt	Transfer amount field empty	Login Atm Transfer 2345678 3456789	R7I10.txt	R7O10.txt None	Error: transfer field is empty. Please enter a valid amount
	R7T11.txt	Cannot enter anything non-numeric for the transfer amount	login atm transfer 2345678 3456789 a-b.c,d?e	R7I11.txt	R7O11.txt None	Error: input is non-numeric. Please enter a valid numeric amount
	R7T12.txt	Check that Valid transaction summary file created	login atm transfer 2345678 3456789 9999 logout	R7I12.txt	R7O12.txt	Transaction confirmed
	R7T13.txt	Check that agent can	login	R7I13.txt	R7O13.txt	Transaction confirmed

		also transfer money	agent transfer 2345678 3456789 9999 logout			
	R7T14.txt	Destination account is the same as current account	login atm Transfer 3456789 3456789	R7I14.txt	R7O14.txt None	Error: Destination account is the same as current account. Transferring between the same account is not allowed. Please enter different accounts

Test Plan Document

To organize our tests, we will have seven different folders, which will correspond to the seven different transactions. Thus, we will have the following folders which will be named accordingly: login, logout, createacct, deleteacct, deposit, withdraw, transfer. Each of these folders will have their own text files which will include input commands(valid accounts list) that will test the constraints. We plan to run them as text files, and compare them using a bash script program. The output results of each file will be recorded in the table, in a new column that we will add, called “actual output”.