

## CISC 327 Assignment #1: Front End Requirements

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Log in:

Requirement	Test No.	Test Name	Purpose	Input	Input files	Output	Output files
No transactions before login	R1 T1	No logout	No transactions before login	logout	login_R1T1_in.txt	error prompt for user to log in	login_R1_out.txt
	R1 T2	No createacct		createacct	login_R1T2_in.txt		
	R1 T3	No deleteacct		deleteacct	login_R1T3_in.txt		
	R1 T4	No deposit		deposit	login_R1T4_in.txt		
	R1 T5	No withdraw		withdraw	login_R1T5_in.txt		
	R1 T6	No transfer		transfer	login_R1T6_in.txt		
	R1 T7	input error proof		h	login_R1T7_in.txt	error prompt for incorrect transaction	login_R1T7_out.txt
Ask for session when logging in	R2 T1	proper login	Ask for session when logging in	login	login_R2T1_in.txt	prompt for type of session	login_R2T1_out.txt
machine and agent are only accepted types	R3 T1	accept "machine"	"machine" is accepted input	machine	login_R3T1_in.txt	welcome message, and a list of accepted transactions	login_R3T1_out.txt
	R3 T2	accept "agent"	"agent" is accepted input	agent	login_R3T2_in.txt	welcome message, and a list of accepted transactions	login_R3T2_out.txt
	R3 T3	input error proof	nothing else is accepted	h	login_R3T3_in.txt	error prompt for correct input	login_R3T3_out.txt
No log in is accepted after logging in	R4 T1	No login	No login is accepted after logging in	login	login_R4T1_in.txt	error prompt for incorrect log in	login_R4T1_out.txt

Log out:

Requirement	Test No.	Test Name	Purpose	Input	Input files	Output	Output files
No transactions after logout	R1 T1	no createacct	No transactions after logout	createacct	logout_R1T1_in.txt	error prompt for log in	logout_R1_out.txt
	R1 T2	no deleteacc		deleteacct	logout_R1T2_in.txt		
	R1 T3	no deposit		deposit	logout_R1T3_in.txt		
	R1 T4	no withdraw		withdraw	logout_R1T4_in.txt		
	R1 T5	no transfer		transfer	logout_R1T5_in.txt		
Transaction summary file when logging out	R2 T1	logout sequence	proper logout sequence	logout	logout_R2T1_in.txt	thank you message	logout_R2_out1.txt, logout_R2_out2.txt

Create Account:

Requirement	Test No.	Test Name	Purpose	Input	Input File	Output	Output File
No transaction while in atm mode	CA.1	Atm createacct	Can't create account while in atm mode	login atm createacct logout	CA_IN1	Error prompt for user explaining they must be in agent mode	CA_OUT1
Transaction must occur in agent mode	CA.2	Agent mode check	Verifies that user is in agent mode when requesting to create account	login agent createacct logout	CA_IN2	Success prompt	CA_OUT2
Invalid Inputs for create account	CA.3	Zero first digit account amount	Identifies when an account number starts with zero	login agent createacct 0123456 Michael logout	CA_IN3	Error prompt for the user to submit an account number that does not start with zero	CA_OUT3
	CA.4	Under seven-digit account number	Identifies when an account number has less than seven digits	login agent createacct 1234	CA_IN4	Error prompt for the user to submit an account number that is exactly seven-digits	CA_OUT4

				Michael logout			
	CA.5	Over seven-digit account number	Identifies when an account number has over seven-digits	login agent createacct 1234506436 Michael logout	CA_IN5	Error prompt for the user to submit an account number that is exactly seven-digits	CA_OUT5
	CA.6	Letter in account number	Identifies when an account number contains an alphabetical character	login agent createacct 1234P56 Michael logout	CA_IN6	Error prompt for the user to submit an account number that only contains whole numbers.	CA_OUT6
	CA.7	Unique account number	Identifies when an account number matches an existing account number	login agent createacct 1234567 Michael logout	CA_IN7	Error prompt displaying account exists for that account and for the user to submit a unique account number.	CA_OUT7
	CA.8	Under three-	Identifies when an	login	CA_IN8	Error prompt for the user to	CA_OUT8

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				Michael logout		a space.	
No transaction after create account	CA.1 2	Deposit after createacct	Identifies when a deposit is executed after creating a new account	login agent createacct 1234567 Michael Deposit 1234567 100 logout	CA_IN1 2	Error prompt telling the user they cannot execute a deposit task for new account.	CA_OUT12
	CA.1 3	Withdraw after createacct	Identifies when a withdraw is executed after creating a new account	login agent createacct 1234567 Michael withdraw 1234567 100 logout	CA_IN1 3	Error prompt telling the user they cannot execute a withdraw task for new account.	CA_OUT13
	CA.1 4	Transfer after	Identifies when a	login	CA_IN1 4	Error prompt telling the user	CA_OUT14

		createacct	transfer is executed after creating a new account	agent createacct 1234567 Michael transfer 1234567 7654321 100s logout		they cannot execute a transfer task for new account.	
	CA.15	Delete after createacct	Identifies when a delete account transaction is executed after creating a new account	login agent createacct 1234567 Michael transfer 1234567 Michael logout	CA_IN15	Error prompt telling the user they cannot execute a delete task for new account.	CA_OUT15
Successful account creation	CA.16	Create account	Check that user can create valid account	login agent createacct	CA_IN16	Account created successfully (saved to transaction file)	CA_OUT16 (transaction)



				1234567			
				Michael			
				logout			

### Delete Account:

Requirement	Test No.	Test Name	Purpose	Input	Input File	Output	Output File
No transaction while in atm mode	DE.1	atm createacct	Can't create account while in atm mode	login atm deleteacct logout	DE_IN1	Error prompt for user explaining they must be in agent mode	DE_OUT1
Transaction must occur in agent mode	DE.2	Agent mode check	Verifies that user is in agent mode when requesting to create account	login agent deleteacct logout	DE_IN2	Success prompt	DE_OUT2
Invalid Inputs for delete account	DE.3	Account number not valid	Identifies when an account number does not exist.	login agent deleteacct 1234568 Michael logout	DE_IN3	Error prompt for the user to submit an account number that does not start with zero	DE_OUT3
	DE.4	Account name not valid	Identifies when an account name does not exist.	login agent deleteacct 1234578	DE_IN4	Error prompt for the user to submit an account number that is exactly seven-digits	DE_OUT4

				Aflie logout			
	DE.5	No account number and account name match	Identifies when an account number does not match its corresponding account name	login agent deleteacct 1234567 Alfie logout	DE_IN5	Error prompt for the user to submit an account number that is exactly seven-digits	DE_OUT5
No transaction after delete account	DE.6	Deposit after deleteacct	Identifies when a deposit is executed after deleting an account	login agent deleteacct 1234567 Michael Deposit 1234567 100 logout	DE_IN12	Error prompt telling the user they cannot execute a deposit task for deleted account.	DE_OUT12
	DE.7	Withdraw after deleteacct	Identifies when a withdraw is executed after deleting an account	login agent deleteacct 1234567	DE_IN13	Error prompt telling the user they cannot execute a withdraw task for deleted	DE_OUT13

				Michael withdraw 1234567 100 logout		account.	
	DE.8	Transfer after deleteacct	Identifies when a deposit is executed after deleting an account	login agent deleteacct 1234567 Michael transfer 1234567 7654321 100 logout	DE_IN14	Error prompt telling the user they cannot execute a transfer task for deleted account.	DE_OUT14
Successful account deletion	DE.9	Delete account	Check that user can delete valid account	login agent deleteacct 1234567 Michael logout	DE_IN15	Account deleted successfully (saved to transaction file)	DE_OUT15



## Deposits:

Requirement	Test #	Test Name	Purpose	Input	Input File	Output	Output File
Valid Account Numbers only	DEP_1	Bad acct number	Can't deposit to invalid account	Login machine deposit ABCDEFGF logout	DEP_IN1	Error prompt invalid account	DEP_OUT1
Valid Deposit Amount	DEP_2	Deposit not a number	Can't enter badly-formatted deposits	Login machine deposit 12345678 A logout	DEP_IN2	Error prompt invalid deposit	DEP_OUT2
	DEP_3	Deposit too large (ATM)	Can't deposit more than \$2000 at once in ATM mode	Login machine deposit 12345678 400000 logout	DEP_IN3	Error prompt invalid deposit	DEP_OUT3
	DEP_4	Deposit too large (agent)	Agents can deposit more than \$2000, but less than \$999,999.99 at once	login agent deposit 1234567 400000 deposit 1234567 100000000 logout	DEP_IN4	Error prompt invalid deposit	DEP_OUT4
Daily Deposit Limit	DEP_5	Deposit in multiple accounts	Over \$5000 can be deposited into separate accounts	login machine deposit 1234567	DEP_IN5	(no errors)	DEP_OUT5

				200000 deposit 3334555 200000 deposit 6654566 200000 logout			
	DEP_6	Exceed daily deposit limit (ATM)	Can't deposit more than \$5000 to a single account in a daily session in ATM mode.	login machine deposit 1234567 200000 deposit 1234567 300000 deposit 1234567 1 logout	DEP_IN6	Error prompt invalid deposit total	DEP_OUT6
	DEP_7	Daily deposit limit (agent)	Agents can deposit more than \$5000 into the same account in one session	login agent deposit 1234567 200000 deposit 1234567 400000 logout	DEP_IN7	(normal operating messages)	DEP_OUT7

Withdrawals:

Requirement	Test #	Test Name	Purpose	Input	Input File	Output	Output File
Valid Account Number	WTH_1	Bad acct number	Can't withdraw from invalid account	login machine withdraw dgsddfsfsd logout	WTH_IN1	Error prompt invalid account number	WTH_OUT1
Valid Withdrawal Amount	WTH_2	Withdrawal not a number	Can't withdraw something that isn't a number	login machine withdraw 1234567 54gdg logout	WTH_IN2	Error prompt invalid withdrawal	WTH_OUT2
	WTH_3	Withdrawal too large (ATM)	Can't withdraw more than \$1000 in ATM mode	login machine withdraw 1234567 1005 logout	WTH_IN3	Error prompt invalid withdrawal	WTH_OUT3
	WTH_4	Withdrawal too large (agent)	Agents can withdraw more than \$1000 but less than \$999999.99	login agent withdraw 1234567 400000 1234567 100000000 logout	WTH_IN4	Error prompt invalid withdrawal	WTH_OUT4
Daily Withdrawal	WTH_5	Daily withdrawal limit (ATM)	Can only withdraw \$5000 from a single account in one day	login machine withdraw	WTH_IN5	Error prompt invalid	WTH_OUT5



Limit				1234567 200000 withdraw 1234567 300000 withdraw 1234567 1 logout		withdrawal total	
	WTH_6	Withdraw from multiple accounts	Can withdraw more than \$5000 from multiple accounts	login machine withdraw 1234567 400000 withdraw 3334333 400000 logout	WTH_IN6	(normal operating messages)	WTH_OUT6
	WTH_7	Daily deposit limit (agent)	Agents can withdraw any amount of cash from the same account in one daily session	login agent withdraw 1234567 400000 withdraw 1234567 4000000 withdraw 1234567 4000000 logout	WTH_IN7	(normal operating messages)	WTH_OUT7

Transfers:

Requirement	Test #	Test Name	Purpose	Input	Input File	Output	Output File
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Valid Account Numbers	TRA_1	Bad acct number - from	Can't transfer funds from an invalid account	login machine transfer glop 3334333 123 logout	TRA_IN1	Error prompt invalid account	TRA_OUT1
	TRA_2	Bad acct number - to	Can't transfer funds to an invalid account	login machine transfer 1234567 blop 123 logout	TRA_IN2	Error prompt invalid account	TRA_OUT2
Valid Transfer Amount	TRA_3	Transfer not a number	Can't transfer something non-numeric	login machine transfer 1234567 3334333 allthemoney logout	TRA_IN3	Error prompt invalid transfer	TRA_OUT3
	TRA_4	Transfer too large (ATM)	Can't transfer more than \$10,000 in ATM mode	login machine transfer 1234567 3334333 2000000 logout	TRA_IN4	Error prompt invalid transfer amount	TRA_OUT4
	TRA_5	Transfer too large (agent)	Can't transfer more than \$999,999.99 in agent	login agent	TRA_IN5	Error prompt invalid transfer	TRA_OUT5

			mode	transfer 1234567 3334333 999999999 logout		amount	
Daily Transfer Limit	TRA_6	Daily transfer limit (ATM)	Can't transfer more than \$10,000 out of a single account in one day	login machine transfer 1234567 3334333 1000000 transfer 1234567 3334333 1000000 logout	TRA_IN6	Error prompt invalid transfer total	TRA_OUT6
	TRA_7	Transfer from multiple accounts	Can transfer more than \$10,000 from multiple accounts	login machine transfer 1234567 3334333 1000000 transfer 6654566 3334333 1000000 logout	TRA_IN7	(normal operating messages)	TRA_OUT7
	TRA_8	Daily transfer limit (agent)	Agents can transfer any amount out of an account in one day	login agent transfer 1234567 3334333 1000000	TRA_IN8	(normal operating messages)	TRA_OUT8

				transfer 1234567 3334333 1000000 logout			
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