

## login:

Requirement	Test No.	Test Name	Purpose	Input	Input Files	Expected Output	Expected Output Files
no other transactions before login	R1T1	idle logout	User cannot logout before logging in	"logout", "--quit"	valid_account s_list.txt	"Please enter a transaction: ", "Cannot logout before login.", "Please enter a transaction: "	none
	R1T2	idle createacct	User cannot create account before logging in	"createacc", "--quit"	valid_account s_list.txt	"Please enter a transaction: ", "Cannot create account while logged out.", "Please enter a transaction: "	none
	R1T3	idle deleteacct	User cannot delete account before logging in	"deleteacc", "--quit"	valid_account s_list.txt	"Please enter a transaction: ", "Cannot delete account while logged out.", "Please enter a transaction: "	none
	R1T4	idle deposit	User cannot deposit before logging in	"deposit", "--quit"	valid_account s_list.txt	"Please enter a transaction: ", "Cannot deposit while logged out.", "Please enter a transaction: "	none
	R1T5	idle withdraw	User cannot withdraw before logging in	"withdraw", "--quit"	valid_account s_list.txt	"Please enter a transaction: ", "Cannot withdraw while logged out.", "Please enter a transaction: "	none
	R1T6	idle transfer	User cannot transfer before logging in	"transfer", "--quit"	valid_account s_list.txt	"Please enter a transaction: ", "Cannot transfer while logged out.", "Please enter a transaction: "	none
	R1T7	idle unknown	Deal with an unknown input	"dog", "--quit"	valid_account s_list.txt	"Please enter a transaction: ", "Unrecognized transaction: dog", "Please enter a transaction: "	none
Login as session type ATM	R2T1	login ATM	Allows User to log in as Agent	"login", "agent", "--quit"	valid_account s_list.txt.txt	"Please enter a transaction: ", "Please enter login mode: ", "Please enter a transaction: "	none
Login as session type Agent	R3T1	Login Agent	Allows User to log in as Machine	"login", "machine", "--quit"	valid_account s_list.txt.txt	"Please enter a transaction: ", "Please enter login mode: ", "Please enter a transaction: "	none
User cannot login once they are already logged in	R4T1	ATM session login	Do not allow the user to login once they have	"login", "machine", "login", "--quit"	valid_account s_list.txt	"Please enter a transaction: ", "Please enter login mode: ", "Please enter a	none

			already logged in			transaction: ", "Already logged in.", "Please enter a transaction: "	
	R4T2	Agent session login	Do not allow the user to login once they have already logged in	"login", "agent", "login", "--quit"	valid_account s_list.txt	"Please enter a transaction: ", "Please enter login mode: ", "Please enter a transaction: ", "Already logged in.", "Please enter a transaction: "	none

### logout:

Requirement	Test No.	Test Name	Purpose	Input	Input Files	Expected Output	Expected Output Files
End Processing Day	R5T1	ATM session logout	Allow the user to logout if they are in an active session	"login", "machine", "logout", "--quit"	valid_account s_list.txt	"Please enter a transaction: ", "Please enter login mode: ", "Please enter a transaction: ", "Session completed, output printed to file.", "Please enter a transaction: "	genericLogout.txt
	R5T2	Agent session logout	Allow the user to logout if they are in an active session	"login", "agent", "logout", "--quit"	valid_account s_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Session completed, output printed to file.", "Please enter a transaction: "	genericLogout.txt
no other transactions other than login after logging out  (It is important to note that logging out as an agent or atm will bring you to the same idle state so we will only test with ATM)	R6T1	logged out logout	User cannot logout after logging out	"login", "machine", "logout", "--quit"	valid_account s_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Session completed, output printed to file.", "Please enter a transaction: "  "Cannot logout before login.", "Please enter a transaction: "	genericLogout.txt

	R6T2	logged out createacc t	User cannot create account after logging out	"login", "machine", "logout", "createacc", "--quit"	valid_account s_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Session completed, output printed to file.", "Please enter a transaction: "  "Cannot create account while logged out.", "Please enter a transaction: "	genericL ogout.tx t
	R6T3	logged out deleteacc t	User cannot delete account after logging out	"login", "machine", "logout", "deleteacc", "--quit"	valid_account s_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Session completed, output printed to file.", "Please enter a transaction: "  "Cannot delete account while logged out.", "Please enter a transaction: "	genericL ogout.tx t
	R6T4	logged out deposit	User cannot deposit after logging out	"login", "machine", "logout", "deposit", "--quit"	valid_account s_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Session completed, output printed to file.", "Please enter a transaction: "  "Cannot deposit while logged out.", "Please enter a transaction: "	genericL ogout.tx t
	R6T5	logged out withdraw	User cannot withdraw after logging out	"login", "machine", "logout", "withdraw", "--quit"	valid_account s_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Session completed, output printed to	genericL ogout.tx t

						file.", "Please enter a transaction: "  "Cannot withdraw while logged out.", "Please enter a transaction: "	
	R6T6	logged out transfer	User cannot transfer after logging out	"login", "machine", "logout", "transfer", "--quit"	valid_account s_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Session completed, output printed to file.", "Please enter a transaction: "  "Cannot transfer while logged out.", "Please enter a transaction: "	genericL ogout.tx t
	R6T7	logged out unknown	Deal with an unknown input	"login", "machine", "logout", "dog", "--quit"	valid_account s_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Session completed, output printed to file.", "Please enter a transaction: "  "Unrecognized transaction: dog", "Please enter a transaction: "	genericL ogout.tx t
	R6T8	logged out login	User can login after logging out	"login", "machine", "logout", "login", "machine", "--quit"	valid_account s_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Session completed, output printed to file.", "Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "	empty.tx t

createacct:

Requirement	Test No.	Test Name	Purpose	Input	Input Files	Expected Output	Expected Output Files
Creating a new account is a privileged transaction	R7T1	session ATM createacct	Cannot create an account if in ATM mode	"login", "machine", "createacct", "--quit"	valid_accounts_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Cannot create account while in ATM mode.", "Please enter a transaction: "	none
	R7T2	session agent createacct	Allow the user to create a new account	"login", "agent", "createacct", "--exit", "--quit"	valid_accounts_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Create account selected...", "Please enter account number:"  "Please enter a transaction: "	none
New accounts must have a valid account number	R8T1	createacct valid number	Ensure that the account number is valid and not already taken	"login", "agent", "createacct", "9876543", "--exit", "--quit"	valid_accounts_list.txt.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Create account selected...", "Please enter account number:"  "Account number confirmed...", "Please enter account name:"  "Please enter a transaction: "	none
	R8T2	createacct valid taken number	Ensure there is not duplicate account numbers	"login", "agent", "createacct", "111111", "--exit", "--quit"	valid_accounts_list.txt.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Create account selected...", "Please enter account number:"	none

						<p>"Error: Account number must not already exist.", "Please enter account number:"</p> <p>"Please enter a transaction: "</p>	
	R8T3	createacct account number with less than 7 digits	Ensure the account number is exactly 7 digits	"login", "agent", "createacct", "123456", "--exit", "--quit"	valid_accounts_list.txt	<p>"Please enter a transaction: "</p> <p>"Please enter login mode: ", "Please enter a transaction: "</p> <p>"Create account selected...", "Please enter account number:"</p> <p>"Error: Account numbers must contain 7 digits.", "Please enter account number:"</p> <p>"Please enter a transaction: "</p>	none
	R8T4	createacct account number with more than 7 digits	Ensure the account number has exactly 7 digits	"login", "agent", "createacct", "12345678", "--exit", "--quit"	valid_accounts_list.txt	<p>"Please enter a transaction: "</p> <p>"Please enter login mode: ", "Please enter a transaction: "</p> <p>"Create account selected...", "Please enter account number:"</p> <p>"Error: Account numbers must contain 7 digits.", "Please enter account number:"</p> <p>"Please enter a transaction: "</p>	none
	R8T5	createacct account number starts with a 0	Ensure that the account number does not start with a 0	"login", "agent", "createacct", "0123456", "--exit", "--quit"	valid_accounts_list.txt	<p>"Please enter a transaction: "</p> <p>"Please enter login mode: ", "Please enter a transaction: "</p> <p>"Create account selected...", "Please enter account number:"</p> <p>"Error: Account numbers</p>	none

						cannot begin with a 0.", "Please enter account number:"  "Please enter a transaction: "	
	R8T6	createacct account number is not a number	Ensure that the account number is actually a number	"login", "agent", "createacct", "dog", "--exit", "--quit"	valid_accounts_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Create account selected...", "Please enter account number:"  "Error: Entered account number is in fact, not a number.", "Please enter account number:"  "Please enter a transaction: "	none
New accounts must have a valid account name	R9T1	createacct valid account name	Allow the user to create the account with a name that is valid	"login", "agent", "createacct", "9876543", "Joe Smith", "logout", "-quit"	valid_accounts_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Create account selected...", "Please enter account number:"  "Account number confirmed...", "Please enter account name:"  "Account name confirmed...", "Successfully created account 9876543 belonging to Joe Smith."  "Please enter a transaction: ", "Session completed, output printed to file.", "Please enter a transaction: "	R9T1_expected.txt
	R9T2	createacct invalid name with more	Ensure the entered account name is not	"login", "agent", "createacct", "9876543",	valid_accounts_list.txt	"Please enter a transaction: "  "Please enter login	none

		than 30 character s	more than 30 characters	"This is a long name with more than 30 characters", "--exit", "-- quit"		mode: ", "Please enter a transaction: "  "Create account selected...", "Please enter account number:"  "Account number confirmed...", "Please enter account name:"  "Error: Account name must be between 3 and 30 characters (inclusive)."  "Please enter account name:", "Please enter a transaction: "	
	R9T3	createacc t invalid name with less than 3 character s	Ensure the entered account name has at least 3 characters	"login", "agent", "createacc", "9876543", "ah", "-- exit", "-- quit"	valid_account s_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Create account selected...", "Please enter account number:"  "Account number confirmed...", "Please enter account name:"  "Error: Account name must be between 3 and 30 characters (inclusive)."  "Please enter account name:", "Please enter a transaction: "	none
	R9T4	createacc t invalid name beginnin g with space	Ensure the entered account name does not begin with a space	"login", "agent", "createacc", "9876543", " Joe Smith", "--exit", "-- quit"	valid_account s_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Create account selected...", "Please enter account number:"  "Account number confirmed...", "Please enter account name:"	none



						"Error: Account name cannot begin or end with white space."  "Please enter account name:", "Please enter a transaction: "	
	R9T5	createacct invalid name ending with a space	Ensure the entered account name does not end with a space	"login", "agent", "createacct", "9876543", "Joe Smith", "--exit", "--quit"	valid_accounts_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Create account selected...", "Please enter account number:"  "Account number confirmed...", "Please enter account name:"  "Error: Account name cannot begin or end with white space."  "Please enter account name:", "Please enter a transaction: "	none

#### deleteacct:

Requirement	Test No.	Test Name	Purpose	Input	Input Files	Expected Output	Expected Output Files
Deleting an account is a privileged transaction	R10T1	session ATM deleteacct	Cannot delete an account if in ATM mode	"login", "machine", "deleteacct", "--quit"	valid_accounts_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Cannot delete account while in ATM mode.", "Please enter a transaction: "	none
	R10T2	session agent deleteacct	Allow the user to delete an account	"login", "agent", "deleteacct", "--exit", "--quit"	valid_accounts_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Delete account	none

						selected...", "Please enter account number:" , "Please enter a transaction: "	
Deleting an account must be done with a valid account number	R11T1	deleteacc t valid account number	Allow the user to proceed to entering the account name	"login", "agent", "deleteacc", "111111", "--exit", "- -quit"	valid_account s_list.txt.txt	"Please enter a transaction: " , "Please enter login mode: ", "Please enter a transaction: " , "Delete account selected...", "Please enter account number:" , "Account number confirmed...", "Please enter account name:" , "Please enter a transaction: "	none
	R11T2	deleteacc t valid account number that does not exist	Ensure we are deleting an account that is currently active	"login", "agent", "deleteacc", "9876543", "--exit", "- -quit"	valid_account s_list.txt.txt	"Please enter a transaction: " , "Please enter login mode: ", "Please enter a transaction: " , "Delete account selected...", "Please enter account number:" , "Error: Entered account number does not exist.", "Please enter account number:" , "Please enter a transaction: "	none
	R11T3	deleteacc t invalid account number with less than 7 digits	Ensure account number cannot be less than 7 digits	"login", "agent", "deleteacc", "123456", "- -exit", "-- quit"	valid_account s_list.txt	"Please enter a transaction: " , "Please enter login mode: ", "Please enter a transaction: " , "Delete account selected...", "Please enter account number:" , "Error: Account numbers must contain 7 digits.", "Please enter account number:"	none

						, "Please enter a transaction: "	
	R11T4	deleteacc t invalid account number with more than 7 digits	Ensure account number cannot contain more than 7 digits	"login", "agent", "deleteacc", "12345678", "--exit", "- -quit"	valid_account s_list.txt	"Please enter a transaction: " , "Please enter login mode: ", "Please enter a transaction: " , "Delete account selected...", "Please enter account number:" , "Error: Account numbers must contain 7 digits.", "Please enter account number:" , "Please enter a transaction: "	none
	R11T5	deleteacc t invalid account number starting with 0	Ensure account number does not start with 0	"login", "agent", "deleteacc", "0123456", "--exit", "- -quit"	valid_account s_list.txt	"Please enter a transaction: " , "Please enter login mode: ", "Please enter a transaction: " , "Delete account selected...", "Please enter account number:" , "Error: Account numbers cannot begin with a 0.", "Please enter account number:" , "Please enter a transaction: "	none
	R11T6	deleteacc t NaN account number	Ensure that the account number is actually a number	"login", "agent", "deleteacc", "dog", "-- exit", "-- quit"	valid_account s_list.txt	"Please enter a transaction: " , "Please enter login mode: ", "Please enter a transaction: " , "Delete account selected...", "Please enter account number:" , "Error: Entered account number is in fact, not a number.", "Please enter account number:"	none

						, "Please enter a transaction: "	
Deleting an account must be done with a valid account name	R12T1	deleteacct valid name with existing account	Allow the account to be deleted given all info was entered correctly	"login", "agent", "deleteacct", "111111", "Joe Smith", "logout", "-quit"	valid_accounts_list.txt	"Please enter a transaction: " , "Please enter login mode: ", "Please enter a transaction: " , "Delete account selected...", "Please enter account number:" , "Account number confirmed...", "Please enter account name:" , "Account name confirmed...", "Successfully deleted account 111111 belonging to Joe Smith." , "Please enter a transaction: ", "Session completed, output printed to file.", "Please enter a transaction: "	R12T1_expected.txt
	R12T2	deleteacct invalid name with more than 30 characters	Ensure the name does not contain more than 30 characters	"login", "agent", "deleteacct", "111111", "This is a long name with more than 30 characters", "--exit", "-quit"	valid_accounts_list.txt	"Please enter a transaction: " , "Please enter login mode: ", "Please enter a transaction: " , "Delete account selected...", "Please enter account number:" , "Account number confirmed...", "Please enter account name:" , "Error: Account name must be between 3 and 30 characters (inclusive)." , "Please enter account name:", "Please enter a transaction: "	none
	R12T3	deleteacct invalid name	Ensure the names contains	"login", "agent",	valid_accounts_list.txt	"Please enter a transaction: "	none

		with less than 3 characters	more than 3 characters	"deleteacc", "1111111", "ah", "-- exit", "-- quit"		"Please enter login mode: ", "Please enter a transaction: "  "Delete account selected...", "Please enter account number:"  "Account number confirmed...", "Please enter account name:"  "Error: Account name must be between 3 and 30 characters (inclusive)."  "Please enter account name:", "Please enter a transaction: "	
	R12T4	deleteacc invalid name beginning with a space	Ensure the entered name does not begin with a space	"login", "agent", "deleteacc", "1111111", " Joe Smith", "--exit", "- -quit"	valid_accounts_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Delete account selected...", "Please enter account number:"  "Account number confirmed...", "Please enter account name:"  "Error: Account name cannot begin or end with white space."  "Please enter account name:", "Please enter a transaction: "	none
	R12T5	deleteacc invalid name ending with a space	Ensure the entered name does not end with a space	"login", "agent", "deleteacc", "1111111", "Joe Smith", "--exit", "--quit"	valid_accounts_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Delete account selected...", "Please enter account number:"  "Account number	none

						confirmed...", "Please enter account name:"  "Error: Account name cannot begin or end with white space."  "Please enter account name:", "Please enter a transaction: "	
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### deposit:

Requirement	Test No.	Test Name	Purpose	Input	Input Files	Expected Output	Expected Output Files
All Users can deposit to an account	R13T1	session deposit	Any user should be able to use the deposit command	"login", "machine", "deposit", "--exit", "-quit"	valid_account s_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Deposit selected...", "Please enter account number:"  "Please enter a transaction: "	none
	R13T2	session deposit	Any user should be able to use the deposit command	"login", "agent", "deposit", "--exit", "-quit"	valid_account s_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Deposit selected...", "Please enter account number:"  "Please enter a transaction: "	none
Depositing to an account requires a valid account number  (It is important to note that at this time it does not matter if the session is in ATM or agent mode, so we will simply test with ATM mode)	R14T1	deposit valid account number	Verify that the account number is actually valid and exists	"login", "agent", "deposit", "111111", "--exit", "-quit"	valid_account s_list.txt.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Deposit selected...", "Please enter account number:"  "Account number	none

						confirmed...", "Please enter amount:"  "Please enter a transaction: "	
	R14T2	deposit invalid account number less than 7 digits	Ensure the account number is exactly 7 digits	"login", "agent", "deposit", "9876543", "--exit", "-quit"	valid_account s_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Deposit selected...", "Please enter account number:"  "Error: Entered account number does not exist.", "Please enter account number:"  "Please enter a transaction: "	none
	R14T3	deposit invalid account number more than 7 digits	Ensure the account number is exactly 7 digits	"login", "agent", "deposit", "123456", "-exit", "--quit"	valid_account s_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Deposit selected...", "Please enter account number:"  "Error: Account numbers must contain 7 digits.", "Please enter account number:"  "Please enter a transaction: "	none
	R14T4	deposit invalid account number starting with a 0	Ensure the account number does not start with a 0	"login", "agent", "deposit", "12345678", "--exit", "-quit"	valid_account s_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Deposit selected...", "Please enter account number:"  "Error: Account numbers must contain 7 digits.", "Please enter account number:"	none

						, "Please enter a transaction: "	
	R14T5	deposit invalid account number not a number	Ensure the account number is actually a number	"login", "agent", "deposit", "0123456", "--exit", "- -quit"	valid_account s_list.txt	"Please enter a transaction: " , "Please enter login mode: ", "Please enter a transaction: " , "Deposit selected...", "Please enter account number:" , "Error: Account numbers cannot begin with a 0.", "Please enter account number:" , "Please enter a transaction: "	none
	R14T6	deposit non-existent account	Ensure that the user cannot deposit into a non-existent account	"login", "agent", "deposit", "dog", "-- exit", "-- quit"	valid_account s_list.txt.txt	"Please enter a transaction: " , "Please enter login mode: ", "Please enter a transaction: " , "Deposit selected...", "Please enter account number:" , "Error: Entered account number is in fact, not a number.", "Please enter account number:" , "Please enter a transaction: "	none
Depositing to an ATM requires a valid monetary value in the range $0 < M \leq 200,000$	R15T1	depositing ATM valid amount	Ensure that the amount number is actually valid and within deposit constraints for ATM	"login", "machine", "deposit", "111111", "2000", "logout", "- -quit"	valid_account s_list.txt	"Please enter a transaction: " , "Please enter login mode: ", "Please enter a transaction: " , "Deposit selected...", "Please enter account number:" , "Account number confirmed...", "Please enter amount:" , "Amount confirmed..." , "Successfully deposited	R15T1_transaction_summary_file.txt



						2000 cents into account 1111111."	
						, "Please enter a transaction: ", "Session completed, output printed to file.", "Please enter a transaction: "	
	R15T2	depositing ATM invalid greater than 200,000	Ensure the user cannot deposit more than \$2000 while at an ATM	"login", "machine", "deposit", "111111", "300000", "- -exit", "-- quit"	valid_account s_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Deposit selected...", "Please enter account number:"  "Account number confirmed...", "Please enter amount:"  "Error: Entered amount cannot exceed the maximum allowable amount."  "Please enter amount:", "Please enter a transaction: "	none
	R15T3	depositing ATM invalid less than 0	User cannot enter an amount less than 0	"login", "machine", "deposit", "111111", "-1", "-- exit", "-- quit"	valid_account s_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Deposit selected...", "Please enter account number:"  "Account number confirmed...", "Please enter amount:"  "Error: Entered amount cannot be less than nothing."  "Please enter amount:", "Please enter a transaction: "	none
	R15T4	depositing ATM	Ensure that the user cannot	"login", "machine",	valid_account s_list.txt	"Please enter a transaction: "	none

		invalid amount	deposit an invalid amount	"deposit", "1111111", "dog", "-- exit", "-- quit"		"Please enter login mode: ", "Please enter a transaction: "  "Deposit selected...", "Please enter account number:"  "Account number confirmed...", "Please enter amount:"  "Error: Entered amount must be an integer."  "Please enter amount:", "Please enter a transaction: "	
	R15T5	depositing daily limit	Ensure that the daily limit is not exceeded	"login", "machine", "deposit", "1111111", "200000", "deposit", "1111111", "200000", "deposit", "1111111", "200000", "-- -exit", "-- quit"	valid_accounts_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Deposit selected...", "Please enter account number:"  "Account number confirmed...", "Please enter amount:"  "Amount confirmed...", "Successfully deposited 200000 cents into account 1111111.", "Please enter a transaction: "  "Deposit selected...", "Please enter account number:"  "Account number confirmed...", "Please enter amount:"  "Amount confirmed...", "Successfully deposited 200000 cents into account 1111111.", "Please enter a transaction: "	R15T5_expected.txt

						"Deposit selected...", "Please enter account number:"	
Depositing as an agent requires a valid monetary value in the range 0 < M < 99,999,999	R16T1	depositin g Agent valid amount	Ensure that the user is entering a valid amount	"login", "agent", "deposit", "1111111", "1000000", "logout", "- -quit"	valid_account s_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Deposit selected...", "Please enter account number:"  "Account number confirmed...", "Please enter amount:"  "Amount confirmed..." , "Successfully deposited 1000000 cents into account 1111111."  "Please enter a transaction: ", "Session completed, output printed to file.", "Please enter a transaction: "	R16T1_ex pected.t xt
	R16T2	depositin g agent invalid amount greater than 99,999,9 99	User cannot enter a value greater than 99,999,999	"login", "agent", "deposit", "1111111", "100000000", "--exit", "- -quit"	valid_account s_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Deposit selected...", "Please enter account number:"  "Account number confirmed...", "Please enter amount:"  "Error: Entered amount cannot exceed the maximum allowable amount."  "Please enter amount:", "Please enter a transaction: "	none
	R16T3	depositin g agent invalid	User cannot enter a value less than 0	"login", "agent",	valid_account s_list.txt	"Please enter a transaction: "	None

		amount less than 0		"deposit", "111111", "-1", "--exit", "--quit"		"Please enter login mode: ", "Please enter a transaction: "  "Deposit selected...", "Please enter account number:"  "Account number confirmed...", "Please enter amount:"  "Error: Entered amount cannot be less than nothing."  "Please enter amount:", "Please enter a transaction: "	
	R16T4	depositing agent invalid number	User cannot deposit an invalid amount	"login", "agent", "deposit", "111111", "dog", "--exit", "--quit"	valid_accounts_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Deposit selected...", "Please enter account number:"  "Account number confirmed...", "Please enter amount:"  "Error: Entered amount must be an integer."  "Please enter amount:", "Please enter a transaction: "	none

#### withdraw:

Requirement	Test No.	Test Name	Purpose	Input	Input Files	Expected Output	Expected Output Files
All users may withdraw	R17T1	session ATM withdraw	Any user should be able to withdraw	"login", "machine", "withdraw", "--exit", "--quit"	valid_accounts_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "	none

						, "Withdraw selected...", "Please enter account number:" , "Please enter a transaction: "	
	R17T2	session agent withdra w	Any user should be able to withdraw	"login", "agent", "withdraw", "--exit", "--quit"	valid_accounts_li st.txt	"Please enter a transaction: " , "Please enter login mode: ", "Please enter a transaction: " , "Withdraw selected...", "Please enter account number:" , "Please enter a transaction: "	none
Withdrawing from an account requires a valid account number  (It is important to note that at this time it does not matter if the session is in ATM or agent mode, so we will simply test with ATM mode)	R18T1	withdra w valid account number	Verify that the account number is actually valid and exists	"login", "agent", "withdraw", "111111", "--exit", "--quit"	valid_accounts_li st.txt.txt	"Please enter a transaction: " , "Please enter login mode: ", "Please enter a transaction: " , "Withdraw selected...", "Please enter account number:" , "Account number confirmed...", "Please enter amount:" , "Please enter a transaction: "	none
	R18T2	withdra w non- existent account	Ensure that the user cannot withdraw from a non-existent account	"login", "agent", "withdraw", "9876543", "--exit", "--quit"	valid_accounts_li st.txt.txt	"Please enter a transaction: " , "Please enter login mode: ", "Please enter a transaction: " , "Withdraw selected...", "Please enter account number:"	none

						<p>"Error: Entered account number does not exist.", "Please enter account number:"</p> <p>"Please enter a transaction: "</p>	
	R18T3	withdraw invalid account number less than 7 digits	Ensure the account number is exactly 7 digits	<p>"login", "agent", "withdraw", "123456", "--exit", "--quit"</p>	valid_accounts_list.txt	<p>"Please enter a transaction: "</p> <p>"Please enter login mode: ", "Please enter a transaction: "</p> <p>"Withdraw selected...", "Please enter account number:"</p> <p>"Error: Account numbers must contain 7 digits.", "Please enter account number:"</p> <p>"Please enter a transaction: "</p>	none
	R18T4	withdraw invalid account number more than 7 digits	Ensure the account number is exactly 7 digits	<p>"login", "agent", "withdraw", "12345678", "--exit", "--quit"</p>	valid_accounts_list.txt	<p>"Please enter a transaction: "</p> <p>"Please enter login mode: ", "Please enter a transaction: "</p> <p>"Withdraw selected...", "Please enter account number:"</p> <p>"Error: Account numbers must contain 7 digits.", "Please enter account number:"</p> <p>"Please enter a transaction: "</p>	none
	R18T5	withdraw invalid account number starting with a 0	Ensure the account number does not start with a 0	<p>"login", "agent", "withdraw", "0123456",</p>	valid_accounts_list.txt	<p>"Please enter a transaction: "</p> <p>"Please enter login mode: ", "Please</p>	none

				<pre>--exit", --quit"</pre>		<pre>enter a transaction: " , "Withdraw selected...", "Please enter account number:" , "Error: Account numbers cannot begin with a 0.", "Please enter account number:" , "Please enter a transaction: "</pre>	
	R18T6	withdra w invalid account number not a number	Ensure the account number is actually a number	<pre>login", agent", withdraw", dog", "-- exit", "-- quit"</pre>	valid_accounts_li st.txt	<pre>"Please enter a transaction: " , "Please enter login mode: ", "Please enter a transaction: " , "Withdraw selected...", "Please enter account number:" , "Error: Entered account number is in fact, not a number.", "Please enter account number:" , "Please enter a transaction: "</pre>	none
Withdrawing from an ATM requires a valid monetary value in the range $0 < M \leq 100,000$ and cannot exceed 500,000 in a single session	R19T1	withdra wing ATM valid amount	Ensure that the amount number is actually valid and within deposit constraints for ATM	<pre>login", machine", withdraw", 1111111", 2000", logout", --quit"</pre>	valid_accounts_li st.txt	<pre>"Please enter a transaction: " , "Please enter login mode: ", "Please enter a transaction: " , "Withdraw selected...", "Please enter account number:" , "Account number confirmed...", "Please enter amount:" , "Amount confirmed..."</pre>	R19T1_exp ected.txt

						, "Successfully withdrew 2000 cents from account 1111111."  , "Please enter a transaction: ", "Session completed, output printed to file.", "Please enter a transaction: "	
	R19T2	withdrawing ATM invalid greater than 100,000	Ensure the user cannot withdraw more than \$1000 while at an ATM	"login", "machine", "withdraw", "1111111", "300000", "--exit", "--quit"	valid_accounts_list.txt	"Please enter a transaction: "  , "Please enter login mode: ", "Please enter a transaction: "  , "Withdraw selected...", "Please enter account number:"  , "Account number confirmed...", "Please enter amount:"  , "Error: Entered amount cannot exceed the maximum allowable amount."  , "Please enter amount:", "Please enter a transaction: "	none
	R19T3	withdrawing ATM invalid less than 0	User cannot enter an amount less than 0	login ATM "login", "machine", "withdraw", "1111111", "-1", "-- exit", "-- quit"	valid_accounts_list.txt	"Please enter a transaction: "  , "Please enter login mode: ", "Please enter a transaction: "  , "Withdraw selected...", "Please enter account number:"  , "Account number confirmed...", "Please enter amount:"	none



						<p>"Error: Entered amount cannot be less than nothing."</p> <p>"Please enter amount:", "Please enter a transaction:"</p>	
	R19T4	withdrawing ATM invalid amount	Ensure that the user cannot withdraw an invalid amount	<pre>"login", "machine", "withdraw", "1111111", "dog", "-- exit", "-- quit"</pre>	valid_accounts_list.txt	<p>"Please enter a transaction: "</p> <p>"Please enter login mode: ", "Please enter a transaction: "</p> <p>"Withdraw selected...", "Please enter account number:"</p> <p>"Account number confirmed...", "Please enter amount:"</p> <p>"Error: Entered amount must be an integer."</p> <p>"Please enter amount:", "Please enter a transaction: "</p>	none
	R19T5	withdrawing ATM more than \$5000 in single day	Ensure the user cannot withdraw more than \$5000 in a single day	<pre>"login", "machine", "withdraw", "1111111", "100000", "withdraw", "1111111", "100000", "withdraw", "1111111", "100000", "withdraw", "1111111", "100000", "withdraw", "1111111", "100000"</pre>	valid_accounts_list.txt	<p>"Please enter a transaction: ", "Please enter login mode: ", "Please enter a transaction: ", "Withdraw selected...", "Please enter account number:", "Account number confirmed...", "Please enter amount:", "Amount confirmed...", "Successfully withdrew 100000 cents from account 1111111.", "Please enter a transaction: ", "Withdraw selected...", "Please enter account</p>	R19T5_expected.txt

				<pre>--exit", --quit"</pre>		<pre>number:", "Account number confirmed...", "Please enter amount:", "Amount confirmed...", "Successfully withdrew 100000 cents from account 1111111.", "Please enter a transaction: ", "Withdraw selected...", "Please enter account number:", "Account number confirmed...", "Please enter amount:", "Amount confirmed...", "Successfully withdrew 100000 cents from account 1111111.", "Please enter a transaction: ", "Withdraw selected...", "Please enter account number:", "Account number confirmed...", "Please enter amount:", "Amount confirmed...", "Successfully withdrew 100000 cents from account 1111111.", "Please enter a transaction: ", "Withdraw selected...", "Please enter account number:", "Account number confirmed...", "Please enter amount:", "Amount confirmed...", "Successfully withdrew 100000 cents from account 1111111.", "Please enter a transaction: ", "Withdraw selected...", "Please enter account number:", "Account number confirmed...", "Please enter amount:", "Error:</pre>	
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						Entered amount cannot exceed the maximum allowable session amount for this type of transaction.", "Please enter amount:", "Please enter a transaction:"	
Withdrawing as an agent requires a valid monetary value in the range 0 < M < 99,999,999	R20T1	withdrawing Agent valid amount	Ensure that the user is entering a valid amount	"login", "agent", "withdraw", "111111", "500000", "logout", "--quit"	valid_accounts_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Withdraw selected...", "Please enter account number:"  "Account number confirmed...", "Please enter amount:"  "Amount confirmed..." , "Successfully withdrew 500000 cents from account 111111."  "Please enter a transaction: ", "Session completed, output printed to file.", "Please enter a transaction: "	R20T1_expected.txt
	R20T2	withdrawing agent invalid amount greater than 99,999,999	User cannot enter a value greater than 99,999,999	"login", "agent", "withdraw", "111111", "-1", "--exit", "--quit"	valid_accounts_list.txt	"Please enter a transaction: "  "Please enter login mode: ", "Please enter a transaction: "  "Withdraw selected...", "Please enter account number:"  "Account number confirmed...", "Please enter amount:"	none

						<p>"Error: Entered amount cannot be less than nothing."</p> <p>"Please enter amount:", "Please enter a transaction:"</p>	
	R20T3	withdrawing agent invalid amount less than 0	User cannot enter a value less than 0	<p>"login", "agent", "withdraw", "1111111", "100000000", "--exit", "--quit"</p>	valid_accounts_list.txt	<p>"Please enter a transaction: "</p> <p>"Please enter login mode: ", "Please enter a transaction:"</p> <p>"Withdraw selected...", "Please enter account number:"</p> <p>"Account number confirmed...", "Please enter amount:"</p> <p>"Error: Entered amount cannot exceed the maximum allowable amount."</p> <p>"Please enter amount:", "Please enter a transaction:"</p>	none
	R20T4	withdrawing agent invalid number	User cannot deposit an invalid amount	<p>"login", "agent", "withdraw", "1111111", "dog", "--exit", "--quit"</p>	valid_accounts_list.txt	<p>"Please enter a transaction: "</p> <p>"Please enter login mode: ", "Please enter a transaction:"</p> <p>"Withdraw selected...", "Please enter account number:"</p> <p>"Account number confirmed...", "Please enter amount:"</p> <p>"Error: Entered</p>	none

						amount must be an integer." , "Please enter amount:", "Please enter a transaction:" "	
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transfer:

Requirement	Test No.	Test Name	Purpose	Input	Input Files	Expected Output	Expected Output Files
All users may transfer	R21T1	session transfer	Any user should be allowed to transfer	"login", "machine", "transfer", "--exit", "--quit"	Valid_accounts_list.txt	"Please enter a transaction:" " , "Please enter login mode:" ", "Please enter a transaction:" " , "Transfer selected...", "Please enter account number:" " , "Please enter a transaction:" "	None
	R21T2	session transfer	Any user should be allowed to transfer	"login", "agent", "transfer", "--exit", "--quit"	Valid_accounts_list.txt	"Please enter a transaction:" " , "Please enter login mode:" ", "Please enter a transaction:" " , "Transfer selected...", "Please enter	None

						account number:"  , "Please enter a transaction: "	
Transfer requires a valid account number to transfer <b>to</b>  (It is important to note that at this time it does not matter if the session is in ATM or agent mode, so we will simply test with ATM mode)	R22T 1	transfer to valid account number	Verify that the account number is actually valid and exists	"login", "agent", "transfer", "111111", "--exit", "--quit"	valid_accounts_list.txt. txt	"Please enter a transaction: "  , "Please enter login mode: ", "Please enter a transaction: "  , "Transfer selected...", "Please enter account number:"  , "Account number confirmed..." , "Please enter account number:"  , "Please enter a transaction: "	none
	R22T 2	transfer to non- existent account	Ensure that the user cannot transfer to a non- existent account	"login", "agent", "transfer", "9876543", "--exit", "--quit"	valid_accounts_list.txt. txt	"Please enter a transaction: "  , "Please enter login mode: ", "Please enter a transaction: "  , "Transfer	none

						selected...", "Please enter account number:"  , "Error: Entered account number does not exist.", "Please enter account number:"  , "Please enter a transaction:" "	
	R22T 3	transfer to invalid account number less than 7 digits	Ensure the account number is exactly 7 digits	"login", "agent", "transfer", "123456", "--exit", "--quit"	valid_accounts_list.txt	"Please enter a transaction:" "  , "Please enter login mode:" ", "Please enter a transaction:" "  , "Transfer selected...", "Please enter account number:"  , "Error: Account numbers must contain 7 digits.", "Please enter account number:"  , "Please enter a transaction:" "	none

	R22T 4	transfer to invalid account number more than 7 digits	Ensure the account number is exactly 7 digits	"login", "agent", "transfer", "12345678", "--exit", "--quit"	valid_accounts_list.txt	"Please enter a transaction: "  , "Please enter login mode: ", "Please enter a transaction: "  , "Transfer selected...", "Please enter account number:"  , "Error: Account numbers must contain 7 digits.", "Please enter account number:"  , "Please enter a transaction: "	none
	R22T 5	transfer to invalid account number starting with a 0	Ensure the account number does not start with a 0	"login", "agent", "transfer", "0123456", "--exit", "--quit"	valid_accounts_list.txt	"Please enter a transaction: "  , "Please enter login mode: ", "Please enter a transaction: "  , "Transfer selected...", "Please enter account number:"  ,	none



						"Error: Account numbers cannot begin with a 0.", "Please enter account number:"  , "Please enter a transaction:" "	
	R22T 6	transfer to invalid account number not a number	Ensure the account number is actually a number	"login", "agent", "transfer", "dog", "-- exit", "-- quit"	valid_accounts_list.txt	"Please enter a transaction:" " , "Please enter login mode:" ", "Please enter a transaction:" " , "Transfer selected...", "Please enter account number:" " , "Error: Entered account number is in fact, not a number.", "Please enter account number:" " , "Please enter a transaction:" "	none
Transfer requires a valid account number to transfer <b>from</b>  (It is important to note that at this	R23T 1	transfer from valid account number	Verify that the account number is actually valid and exists	"login", "agent", "transfer", "111111", "222222",	valid_accounts_list.txt.	"Please enter a transaction:" " ,	none

time it does not matter if the session is in ATM or agent mode, so we will simply test with ATM mode)				"--exit", "--quit"		"Please enter login mode: ", "Please enter a transaction: "  , "Transfer selected...", "Please enter account number:"  , "Account number confirmed..." , "Please enter account number:"  , "Account number confirmed..." , "Please enter amount:"  , "Please enter a transaction: "	
	R23T 2	transfer from non-existent account	Ensure that the user cannot transfer from a non-existent account	"login", "agent", "transfer", "1111111", "9876543", "--exit", "--quit"	valid_accounts_list.txt.	"Please enter a transaction: "  , "Please enter login mode: ", "Please enter a transaction: "  , "Transfer selected...", "Please enter account number:"  ,	none

						"Account number confirmed..." , "Please enter account number:"  , "Error: Entered account number does not exist.", "Please enter account number:"  , "Please enter a transaction:" "	
	R23T3	transfer from invalid account number less than 7 digits	Ensure the account number is exactly 7 digits	"login", "agent", "transfer", "111111", "123456", "--exit", "--quit"	valid_accounts_list.txt	"Please enter a transaction:" " , "Please enter login mode:" ", "Please enter a transaction:" " , "Transfer selected...", "Please enter account number:"  , "Account number confirmed..." , "Please enter account number:"  , "Error: Account numbers must contain 7 digits.",	none

						"Please enter account number:"  , "Please enter a transaction: "	
	R23T 4	transfer from invalid account number more than 7 digits	Ensure the account number is exactly 7 digits	"login", "agent", "transfer", "111111", "12345678", "--exit", "--quit"	valid_accounts_list.txt	"Please enter a transaction: "  , "Please enter login mode: ", "Please enter a transaction: "  , "Transfer selected...", "Please enter account number:"  , "Account number confirmed..." , "Please enter account number:"  , "Error: Account numbers must contain 7 digits.", "Please enter account number:"  , "Please enter a transaction: ":	none
	R23T 5	transfer from invalid account number	Ensure the account number does not	"login", "agent", "transfer", "111111",	valid_accounts_list.txt	"Please enter a transaction: "	none

		starting with a 0	start with a 0	"0123456", "--exit", "--quit"		<pre>       ,     "Please enter     login mode:     ", "Please     enter a     transaction:     "        ,     "Transfer     selected...",     "Please enter     account     number:"        ,     "Account     number     confirmed..."     , "Please     enter account     number:"        ,     "Error:     Account     numbers     cannot begin     with a 0.",     "Please enter     account     number:"        ,     "Please enter     a     transaction:     " </pre>	
R23T 6	transfer from invalid account number not a number	Ensure the account number is actually a number	"login", "agent", "transfer", "111111", "dog", "--exit", "--quit"	valid_accounts_list.txt	<pre>     "Please enter     a     transaction:     "        ,     "Please enter     login mode:     ", "Please     enter a     transaction:     "        ,     "Transfer     selected...",     "Please enter </pre>	none	

						account number:"  ," "Account number confirmed..." ,"Please enter account number:"  ," "Error: Entered account number is in fact, not a number.", "Please enter account number:"  ," "Please enter a transaction:" "	
	R23T 7	Transferrin g valid destinatio n account	Ensure that the receiving account number is not the same as the sending account number	"login", "agent", "transfer", "111111", "111111", "--exit", "--quit"	valid_accounts_list.txt	"Please enter a transaction:" "  ," "Please enter login mode:" ", "Please enter a transaction:" "  ," "Transfer selected...", "Please enter account number:"  ," "Account number confirmed..." ,"Please enter account number:"  ,"	none

						<p>"Error: From account cannot be the same as to account.", "Please enter account number:"</p> <p>,</p> <p>"Please enter a transaction:"</p>	
<p>Transferring from an ATM requires a valid monetary value in the range <math>0 &lt; M \leq 1,000,000</math> and cannot exceed 1,000,000 in a single session</p>	R24T1	Transferring valid amount in ATM mode	Ensure that the amount number is actually valid and within transfer constraints for ATM	<pre>"login", "machine", "transfer", "1111111", "2222222", "750000", "logout", "-- quit"1111111 100 logout</pre>	valid_accounts_list.txt	<p>"Please enter a transaction:"</p> <p>,</p> <p>"Please enter login mode:", "Please enter a transaction:"</p> <p>,</p> <p>"Transfer selected...", "Please enter account number:"</p> <p>,</p> <p>"Account number confirmed...", "Please enter account number:"</p> <p>,</p> <p>"Account number confirmed...", "Please enter amount:"</p> <p>,</p> <p>"Amount confirmed..."</p> <p>,</p> <p>"Successfully transferred"</p>	R24T1_expected.txt

						750000 cents from account 2222222 to 1111111." , "Plea se enter a transaction: ", "Session completed, output printed to file.", "Please enter a transaction: "	
	R24T 2	Transferrin g amount greater than 1,000,000 in ATM mode	Ensure the user cannot transfer more than \$10,000 while at an ATM	"login", "machine", "transfer", "1111111", "2222222", "2000000", "--exit", "--quit"	valid_accounts_list.txt	"Please enter a transaction: " , "Please enter login mode: ", "Please enter a transaction: " , "Transfer selected...", "Please enter account number:" , "Account number confirmed..." , "Please enter account number:" , "Account number confirmed..." , "Please enter amount:" , "Error: Entered	none



						<p>amount cannot exceed the maximum allowable amount."</p> <p>,</p> <p>"Please enter amount:",</p> <p>"Please enter a transaction:",</p> <p>"</p>	
	R24T3	Transferring amount less than 0 in ATM mode	User cannot enter a transfer amount less than 0	<p>"login",</p> <p>"machine",</p> <p>"transfer",</p> <p>"111111",</p> <p>"222222",</p> <p>"-1", "--",</p> <p>exit", "--",</p> <p>quit"</p>	valid_accounts_list.txt	<p>"Please enter a transaction:",</p> <p>"</p> <p>,</p> <p>"Please enter login mode:",</p> <p>", "Please enter a transaction:",</p> <p>"</p> <p>,</p> <p>"Transfer selected...",</p> <p>"Please enter account number:",</p> <p>,</p> <p>"Account number confirmed...",</p> <p>, "Please enter account number:",</p> <p>,</p> <p>"Account number confirmed...",</p> <p>, "Please enter amount:",</p> <p>,</p> <p>"Error: Entered amount cannot be less than nothing."</p>	none

						, "Please enter amount:", "Please enter a transaction: "	
	R24T 4	Transferring invalid amount in ATM mode	Ensure that the user cannot transfer an invalid amount	"login", "machine", "transfer", "111111", "222222", "dog", "-- exit", "-- quit"	valid_accounts_list.txt	"Please enter a transaction: "  , "Please enter login mode: ", "Please enter a transaction: "  , "Transfer selected...", "Please enter account number:"  , "Account number confirmed..." , "Please enter account number:"  , "Account number confirmed..." , "Please enter amount:"  , "Error: Entered amount must be an integer."  , "Please enter amount:", "Please enter a	none

						transaction: "	
	R24T 5	Transferring amount greater than \$10,000 in a single day	Ensure user cannot transfer more than \$10,000 in a single day	<pre> "login", "machine", "transfer", "1111111", "2222222", "750000"  , "transfer", "1111111", "2222222", "750000", "--exit", "--quit" </pre>	valid_accounts_list.txt	<pre> "Please enter a transaction: "  , "Please enter login mode: ", "Please enter a transaction: "  , "Transfer selected...", "Please enter account number:"  , "Account number confirmed..." , "Please enter account number:"  , "Account number confirmed..." , "Please enter amount:"  , "Amount confirmed..." , "Successfully transferred 750000 cents from account 2222222 to 1111111."  , "Please enter a transaction: ", "Transfer selected..." </pre>	R24T5_expected.txt

						<p>,</p> <p>"Please enter account number:",</p> <p>"Account number confirmed..."</p> <p>,</p> <p>"Please enter account number:",</p> <p>"Account number confirmed..."</p> <p>,</p> <p>"Please enter amount:",</p> <p>"Error: Entered amount cannot exceed the maximum allowable session amount for this type of transaction."</p> <p>,</p> <p>"Please enter amount:",</p> <p>"Please enter a transaction:",</p> <p>"</p>	
Transferring in Agent mode requires a valid monetary value in the range $0 < M \leq 99,999,999$	R25T1	Transferring valid amount in Agent mode	Ensure that the amount number is actually valid and within transfer constraints for Agent	<p>"login",</p> <p>"agent",</p> <p>"transfer",</p> <p>"1111111",</p> <p>"2222222",</p> <p>"7500000",</p> <p>"logout",</p> <p>"--quit"</p>	valid_accounts_list.txt	<p>"Please enter a transaction:",</p> <p>"</p> <p>,</p> <p>"Please enter login mode:",</p> <p>", "Please enter a transaction:",</p> <p>"</p> <p>,</p> <p>"Transfer selected...",</p> <p>"Please enter</p>	R25T1_expected.txt

						account number:"  ," "Account number confirmed..." ,"Please enter account number:"  ," "Account number confirmed..." ,"Please enter amount:"  ," "Amount confirmed..." ," "Successfully transferred 7500000 cents from account 2222222 to 1111111."  ,"Plea se enter a transaction:" ,"Session completed, output printed to file.", "Please enter a transaction:" "	
	R2ST 2	Transferrin g amount greater than 99,999,999 in Agent mode	Ensure the user cannot transfer more than \$99,999.99 while in Agent mode	"login", "machine", "transfer", "1111111", "2222222", "1000000000" ,"--exit", "--quit"	valid_accounts_list.txt	"Please enter a transaction:" "  ," "Please enter login mode:" ,"Please enter a transaction:" "	none

						"Transfer selected...", "Please enter account number:"  , "Account number confirmed..." , "Please enter account number:"  , "Account number confirmed..." , "Please enter amount:"  , "Error: Entered amount cannot exceed the maximum allowable amount."  , "Please enter amount:", "Please enter a transaction:" "	
	R25T 3	Transferrin g amount less than 0 in Agent mode	User cannot enter a transfer amount less then 0	"login", "machine", "transfer", "1111111", "2222222", "-1", "-- exit", "-- quit"	valid_accounts_list.txt	"Please enter a transaction:" "  , "Please enter login mode:" ", "Please enter a transaction:" "  , "Transfer selected...", "Please enter	none

						account number:"  ," "Account number confirmed..." ,"Please enter account number:"  ," "Account number confirmed..." ,"Please enter amount:"  ," "Error: Entered amount cannot be less than nothing."  ," "Please enter amount:", "Please enter a transaction:" "	
	R25T 4	Transferrin g invalid amount in Agent mode	Ensure that the user cannot transfer an invalid amount	"login", "machine", "transfer", "111111", "222222", "dog", "-- exit", "-- quit"	valid_accounts_list.txt	"Please enter a transaction:" "  ," "Please enter login mode:" ", "Please enter a transaction:" "  ," "Transfer selected...", "Please enter account number:"  ," "Account number	none

						<p>confirmed..."</p> <p>, "Please enter account number:"</p> <p>,</p> <p>"Account number confirmed..."</p> <p>, "Please enter amount:"</p> <p>,</p> <p>"Error: Entered amount must be an integer."</p> <p>,</p> <p>"Please enter amount:",</p> <p>"Please enter a transaction:"</p> <p>"</p>	
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#### Account List File Validation:

Requirement	Test No.	Test Name	Purpose	Input	Input Files	Expected Output	Expected Output Files
Input files must consist of text lines containing only an account number. Each line must be exactly 7 characters, have seven decimal digits, not begin with '0', and the file must end with '0000000'	R26T1	Account file 7 chars	Each line in the account file must be exactly 7 chars		InvalidAccountFile1.txt	"Invalid Account File Recieved"	None
	R26T2	Account file decimal digits	Each line in the account file must contain only decimal digits		InvalidAccountFile2.txt	"Invalid Account File Recieved"	None
	R26T3	Account file delimit char	Each line in the account file must be delimited by '\n'		InvalidAccountFile3.txt	"Invalid Account File Recieved"	None



	R26T4	Account file begins with nonzero decimal	Each line in the account file must begin with a nonzero decimal char		InvalidAccountFile4.txt	"Invalid Account File Recieved"	None
	R26T5	Account file ending line	Account file must end with the line '0000000'		InvalidAccountFile5.txt	"Invalid Account File Recieved"	None