login:

Requirement	Test No.	Test Name	Purpose	Input	Input Files	Expected Output	Expected Output Files
	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 R1T3 R1T4 no other transactions before login	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 allows 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
	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: "	genericL ogout.tx t
End Processing Day	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: "	genericL ogout.tx t
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", "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: "	genericL ogout.tx t

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

	1			1	Cile II IIDlesse estes e	
					file.", "Please enter a	
					transaction: "	
					"Cannot withdraw while	
					logged out.", "Please	
					enter a transaction: "	
R6T6	logged	User cannot	"login",	valid_account	"Please enter a	genericL
	out	transfer after	"machine",	s_list.txt	transaction: "	ogout.tx
	transfer	logging out	"logout",			t
			"transfer",		"Please enter login	
			"quit"		mode: ", "Please enter	
					a transaction: "	
					,	
					"Session completed,	
					output printed to	
					file.", "Please enter a	
					transaction: "	
					"Cannot transfer while	
					logged out.", "Please	
R6T7	loggod	Deal with an	Ha and a H	valid asserunt	enter a transaction: "	
KO17	logged out	unknown	"login",	valid_account s_list.txt	"Please enter a transaction: "	genericL
	unknown	input	<pre>"machine", "logout",</pre>		transaction:	ogout.tx t
			"dog", "		"Please enter login	
			quit"		mode: ", "Please enter	
			quit		a transaction: "	
					"Session completed,	
					output printed to	
					file.", "Please enter a	
					transaction: "	
					,	
					"Unrecognized	
					transaction: dog",	
					"Please enter a	
DCTO	logge d	Licenses =	H2 and all	volid cassing	transaction: "	
R6T8	logged out login	User can login after	"login",	valid_account s_list.txt		empty.tx
	221.08	logging out	<pre>"machine", "logout",</pre>		transaction: "	t
			"login",		"Please enter login	
			"machine",		mode: ", "Please enter	
			"quit"		a transaction: "	
			4020			
					"Session completed,	
					output printed to	
					file.", "Please enter a	
					transaction: "	
					,	
					"Please enter login	
					mode: ", "Please enter	
					a transaction: "	

createacct:

Requirement	Test No.	Test Name	Purpose	Input	Input Files	Expected Output	Expected Output Files
Creating a new account is a	R7T1	session ATM createacc t	Cannot create an account if in ATM mode	"login", "machine", "createacc", "quit"	valid_account s_list.txt valid_account	"Please enter a transaction: " "Please enter login mode: ", "Please enter a transaction: " "Cannot create account while in ATM mode.", "Please enter a transaction: " "Please enter a transaction: "	none
privileged transaction	17/12	agent createacc t	user to create a new account	"agent", "createacc", "exit", "quit"	s_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	createacc t valid number	Ensure that the account number is valid and not already taken	"login", "agent", "createacc", "9876543", "exit", "quit"	valid_account s_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	createacc t valid taken number	Ensure there is not duplicate account numbers	"login", "agent", "createacc", "1111111", "exit", "quit"	valid_account s_list.txt.txt	"Please enter a transaction: " "Please enter login mode: ", "Please enter a transaction: " "Create account selected", "Please enter account number:"	none

Г						Г	1
						"Error: Account number must not already exist.", "Please enter account number:" "Please enter a transaction: "	
	R8T3	createacc t account number with less than 7 digits	Ensure the account number is exactly 7 digits	"login", "agent", "createacc", "123456", "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: " "Error: Account numbers must contain 7 digits.", "Please enter account number: " "Please enter a transaction: "	none
	R8T4	createacc t account number with more than 7 digits	Ensure the account number has exactly 7 digits	"login", "agent", "createacc", "12345678", "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: " "Error: Account numbers must contain 7 digits.", "Please enter account number: " "Please enter a transaction: "	none
	R8T5	createacc t account number starts with a 0	Ensure that the account number does not start with a 0	"login", "agent", "createacc", "0123456", "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:" "Error: Account numbers	none

	1		I	I			1
						cannot begin with a	
						0.", "Please enter	
						account number:"	
						,	
						"Please enter a	
						transaction: "	
	R8T6	createacc	Ensure that	"login",	valid_account	"Please enter a	none
		t account	the account	"agent",	s_list.txt	transaction: "	
		number	number is	"createacc",		_	
		is not a	actually a	"dog", "		"Please enter login	
		number	number	exit", "		mode: ", "Please enter	
				quit"		a transaction: "	
				quit		a ci alisaccion.	
						"Create account	
						"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: "	
	R9T1	createacc	Allow the	"login",	valid_account	"Please enter a	R9T1_exp
		t valid	user to create	"agent",	s_list.txt	transaction: "	ected.tx
		account	the account	_	_	ci alisaccion.	
		name	with a name	"createacc",		UDlaces setse lasin	t
			that is valid	"9876543",		"Please enter login	
				"Joe Smith",		mode: ", "Please enter	
				"logout", "-		a transaction: "	
				-quit"		,	
						"Create account	
						selected", "Please	
						enter account number:"	
						,	
						"Account number	
						confirmed", "Please	
						enter account name:"	
						,	
New accounts						"Account name	
must have a valid						confirmed",	
account name						"Successfully created	
						account 9876543	
	1					belonging to Joe	
	1						
	1					Smith."	
	1					UDI como colores	
						"Please enter a	
						transaction: ",	
						"Session completed,	
						output printed to	
						file.", "Please enter a	
						transaction: "	
	R9T2	createacc	Ensure the	"login",	valid_account	"Please enter a	none
		t invalid	entered	"agent",	s_list.txt	transaction: "	
		name	account	"createacc",		,	
		with	name is not	"9876543",		"Please enter login	
	l	more	<u> </u>	, ,	<u> </u>		

		nan 30	more than 30	"This is a		mode: ", "Please enter	
	_	naracter	characters	long name		a transaction: "	
	S			with more		,	
				than 30		"Create account	
				characters",		selected", "Please	
				"exit", "-		enter account number:"	
				-quit"			
				40.20		"Account number	
						confirmed", "Please	
						enter account name:"	
						erreer account name.	
						"Error: Account name	
						must be between 3 and	
						30 characters	
						(inclusive)."	
						, , ,	
						"Please enter account	
						name:", "Please enter a	
<u> </u>						transaction: "	
R		reateacc	Ensure the	"login",	valid_account	"Please enter a	none
		invalid ame	entered account	"agent",	s_list.txt	transaction: "	
		ith less	name has at	"createacc",		,	
		nan 3	least 3	"9876543",		"Please enter login	
	ch	naracter	characters	"ah", "		mode: ", "Please enter	
	S			exit", "		a transaction: "	
				quit"		,	
						"Create account	
						selected", "Please	
						enter account number:"	
						و	
						"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: "	
RS	9T4 cre	reateacc	Ensure the	"login",	valid_account	"Please enter a	none
[]		invalid	entered	"agent",	s_list.txt	transaction: "	
		ame	account	"createacc",			
		eginnin	name does	"9876543", "		"Please enter login	
	_	with pace	not begin with a space	Joe Smith",		mode: ", "Please enter	
	3p	,,,,,	with a space	"exit", "-		a transaction: "	
				-quit"			
				4		"Create account	
1						selected", "Please	
]						enter account number:"	
						chief account number.	
						"Account number	
						confirmed", "Please	
						enter account name:"	
i 1						circui accourte ridille.	

				"Error: Account name cannot begin or end with white space." "Please enter account name:", "Please enter a transaction: "	
R9T5	t invalid enter name accou ending name	unt e does end with "createacc", "9876543",	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 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 deleteacc t	Cannot delete an account if in ATM mode	"login", "machine", "deleteacc", "quit"	valid_account s_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 deleteacc t	Allow the user to delete an account	"login", "agent", "deleteacc", "exit", "quit"	valid_account s_list.txt	"Please enter a transaction: " "Please enter login mode: ", "Please enter a transaction: " "Delete account	none

R11T1 deleteacc t valid account number user to proceed to entering the account number number account number number number number number number: Selected", "Please enter account number:"	none
R11T1 deleteacc t valid account number valid account valid valid account valid v	none
R11T1 deleteacc t valid account number account number account number	none
R11T1 deleteacc t valid account number account number	none
R11T1 deleteacc t valid account number valid account number valid account account number valid account number valid account valid valid account valid valid account valid valid account valid vali	none
t valid account number user to proceed to entering the account number account number user to proceed to entering the account user to proceed the entering the	none
t valid account number user to proceed to entering the account number "agent", "deleteacc", "1111111", s_list.txt.txt transaction: " "Please enter login ""	HOHE
account number proceed to entering the account "deleteacc", "1111111", "Please enter login"	
"1111111", "Please enter login	
-quit" a transaction: "	
,	
"Delete account	
selected", "Please	
enter account number:"	
,	
"Account number	
confirmed", "Please	
enter account name:"	
"Please enter a	
transaction: "	
	2000
Togan , Tacase circula	none
account an account definition and count and account account and account and account and account account account account and account ac	
number that is "deleteacc",	
that does currently "9876543", "Please enter login	
not exist active "exit", "- mode: ", "Please enter	
-quit" a transaction: "	
Deleting an account	
must be done with a "Delete account	
valid account selected", "Please	
number enter account number:"	
"Error: Entered account	
number does not	
exist.", "Please enter	
account number:"	
,	
"Please enter a	
transaction: "	
R11T3 deleteacc Ensure "login", valid_account "Please enter a	none
tinvalid account "agent", s_list.txt transaction: "	
account number cannot be "deleteacc",	
with less less than 7 "123456", "- "Please enter login"	
than 7 digits -exit", " mode: ", "Please enter	
digits quit" a transaction: "	
"Delete account"	
selected", "Please	
enter account number:"	
"Error: Account numbers	
	II.
must contain 7	

					"Please enter a	
					transaction: "	
R11T4	deleteacc	Ensure	"login",	valid account	"Please enter a	none
1/11/14	t invalid	account	"agent",	s_list.txt	transaction: "	none
	account	number	"deleteacc",	- ····	Cransacción.	
	number	cannot			"Dlagge outen lagin	
	with	contain more	"12345678",		"Please enter login	
	more than 7	than 7 digits	"exit", "-		mode: ", "Please enter	
	digits		-quit"		a transaction: "	
	uigit3				UD-1-tt	
					"Delete account	
					selected", "Please	
					enter account number:"	
					"Error: Account numbers	
					must contain 7	
					digits.", "Please enter	
					account number:"	
					,	
					"Please enter a	
					transaction: "	
R11T5	deleteacc	Ensure	"login",	valid_account	"Please enter a	none
	t invalid account	account number does	"agent",	s_list.txt	transaction: "	
	number	not start with	"deleteacc",		,	
	starting	arting 0	"0123456", "exit", "-		"Please enter login	
	with 0				mode: ", "Please enter	
		-quit"		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: "	
R11T6	deleteacc	Ensure that	"login",	valid_account	"Please enter a	none
	t NaN	the account	"agent",	s_list.txt	transaction: "	
	account	number is	"deleteacc",		_	
	number	actually a	"dog", "		"Please enter login	
		number	exit", "		mode: ", "Please enter	
			quit"		a transaction: "	
			Auto		a cransacción.	
					"Delete account	
					selected", "Please	
					enter account number:"	
					encer account number:	
					"Error: Entered account	
					number is in fact, not	
					a number.", "Please	
					enter account number:"	

	1	I		T	1	T	1
						UDI	
						"Please enter a	
						transaction: "	
	R12T1	deleteacc t valid	Allow the account to be	"login",	valid_account	"Please enter a	R12T1_ex
•		name	deleted given	"agent",	s_list.txt	transaction: "	pected.t
•		with	all info was	"deleteacc",		,	xt
		existing	entered	"1111111",		"Please enter login	
		account	correctly	"Joe Smith",		mode: ", "Please enter	
				"logout", "-		a transaction: "	
				-quit"		,	
						"Delete account	
						selected", "Please	
						enter account number:"	
						,	
						"Account number	
						confirmed", "Please	
						enter account name:"	
						,	
						"Account name	
						confirmed",	
						"Successfully deleted	
						account 1111111	
						belonging to Joe	
						Smith."	
						,	
						"Please enter a	
						transaction: ",	
						"Session completed,	
						output printed to	
Deleting an account						file.", "Please enter a	
must be done with a valid account name						transaction: "	
valia account manie	R12T2	deleteacc	Ensure the	"login",	valid account	"Please enter a	none
		t invalid	name does	"agent",	s_list.txt	transaction: "	
		name	not contain	"deleteacc",		er dribac erom.	
		with	more than 30	"1111111",		"Please enter login	
		more than 30	characters	"This is a		mode: ", "Please enter	
		character		long name		a transaction: "	
		S		with more			
				than 30		"Delete account	
				characters",		selected", "Please	
				"exit", "-		enter account number:"	
				-quit"		encer account number.	
				-quit		"Account number	
						confirmed", "Please	
	1					enter account name:"	
						encer account name.	
						"Ennon: Account name	
						"Error: Account name	
						must be between 3 and	
						30 characters	
						(inclusive)."	
						,	
						"Please enter account	
						name:", "Please enter a	
						transaction: "	
	R12T3	deleteacc	Ensure the	"login",	valid_account	"Please enter a	none
		t invalid name	names contains	"agent",	s_list.txt	transaction: "	
i	ĺ	Haille	COTICALLIS	<u> </u>	1		

	with less	more than 3	"deleteacc",			
	than 3	characters	"1111111",		"Please enter login	
	character		"ah", "		mode: ", "Please enter	
	S		exit", "		a transaction: "	
			quit"			
			quit		"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 t invalid	Ensure the	"login",	valid_account	"Please enter a	none
	name	entered name does	"agent",	s_list.txt	transaction: "	
	beginnin	not begin	"deleteacc",		, ,	
	g with a	with a space	"1111111", "		"Please enter login	
	space		Joe Smith",		mode: ", "Please enter	
			"exit", "-		a transaction: "	
			-quit"		"Doloto assount	
					"Delete account selected", "Please	
					enter account number:"	
					enter account number.	
					"Account number	
					confirmed", "Please	
					enter account name:"	
					"Error: Account name	
					cannot begin or end	
					with white space."	
					٠	
					"Please enter account	
					name:", "Please enter a	
					transaction: "	
R12T5	deleteacc	Ensure the	"login",	valid_account	"Please enter a	none
	t invalid name	entered name does	"agent",	s_list.txt	transaction: "	
	ending	not end with	"deleteacc",		, , ,	
	with a	a space	"1111111",		"Please enter login	
	space		"Joe Smith		mode: ", "Please enter	
			", "exit",		a transaction: "	
			"quit"		IID-1-1	
					"Delete account	
					selected", "Please	
					enter account number:"	
l l						
					"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: "

deposit:

Requirement	Test No.	Test Name	Purpose	Input	Input Files	Expected Output	Expected Output Files
All Users can deposit to an	R13T1	session deposit	Any user should be able to use the deposit command	"login", "machine", "deposit", "exit", "quit"	valid_account s_list.txt valid account	"Please enter a transaction: " "Please enter login mode: ", "Please enter a transaction: " "Deposit selected", "Please enter account number:" "Please enter a transaction: "	none
account	K1312	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", "1111111", "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

1		1		•	T	,
					confirmed", "Please	
					enter amount:"	
					,	
					"Please enter a	
					transaction: "	
R14T2	deposit	Ensure the	"login",	valid_account	"Please enter a	none
	invalid	account	"agent",	s_list.txt	transaction: "	
	account	number is	"deposit",		cransacción.	
	number	exactly 7	"9876543" ,		"Please enter login	
	less than	digits	"exit", "-		_	
	7 digits				mode: ", "Please enter	
			-quit"		a transaction: "	
					"Deposit selected",	
					"Please enter account	
					number:"	
					,	
					"Error: Entered account	
					number does not	
					exist.", "Please enter	
					account number:"	
					,	
					"Please enter a	
					transaction: "	
R14T3	deposit	Ensure the	"login",	valid_account	"Please enter a	none
	invalid	account	"agent",	s_list.txt	transaction: "	
	account	number is	"deposit",			
	number	exactly 7	"123456", "-		"Please enter login	
	more	digits	-exit", "		mode: ", "Please enter	
	than 7 digits		quit"		a transaction: "	
	uigits		quit		a transaction.	
					"Donasit solostod "	
					"Deposit selected",	
					"Please enter account	
					number:"	
					,	
					"Error: Account numbers	
					must contain 7	
					digits.", "Please enter	
					account number:"	
					,	
					"Please enter a	
					transaction: "	
R14T4	deposit	Ensure the	"login",	valid_account	"Please enter a	none
	invalid	account	"agent",	s_list.txt	transaction: "	
	account	number does	"deposit",			
	number	not start with a 0	"12345678",		"Please enter login	
	starting with a 0	a U	"exit", "-		mode: ", "Please enter	
			-quit"		a transaction: "	
			A 21 - 2			
					"Deposit selected",	
					"Please enter account	
					number:"	
					Hulliber.	
					"Ennon: Assembly wombour	
					"Error: Account numbers	
					must contain 7	
					digits.", "Please enter	
					account number:"	

	ı	1	Т		T		T
						"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: "	none
						"Deposit selected", "Please enter account number:"	
						"Error: Account numbers cannot begin with a 0.", "Please enter account number:"	
						"Please enter a transaction: "	
	R14T6	deposit non- existent account	Ensure that the user cannot deposit into a	"login", "agent", "deposit",	valid_account s_list.txt.txt	"Please enter a transaction: "	none
		account	non-existent account	"dog", " exit", " quit"		"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: "	
	R15T1	depositin g ATM valid amount	Ensure that the amount number is actually valid and within deposit constraints for ATM	"login", "machine", "deposit", "1111111", "2000", "logout", "-	valid_account s_list.txt	"Please enter a transaction: " "Please enter login mode: ", "Please enter a transaction: "	R15T1_transa ction_summa ry_file.txt
Depositing to an ATM requires a valid monetary value in the range 0 < M <= 200,000				-quit"		"Deposit selected", "Please enter account number:"	
						"Account number confirmed", "Please enter amount:"	
						"Amount confirmed", "Successfully deposited	

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

				l		
	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	
R15	depositin g daily limit	Ensure that the daily limit is not exceeded	"login", "machine", "deposit", "1111111", "200000", "deposit", "1111111", "200000", "deposit", "111111", "200100", "-exit", "quit"	valid_account s_list.txt	<pre>transaction: " "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: "</pre>	R15T5_ex pected.t xt

		1	T	1	1		Т
						"Deposit selected", "Please enter account number:"	
Depositing as an agent requires a valid monetary	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
value in the range 0 < M < 99,999,999	R16T2	depositin g agent invalid amount greater than 99,999,9	User cannot enter a value greater than 99,999,999	"login", "agent", "deposit", "1111111", "10000000", "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		"deposit",			
	less than		"1111111",		"Please enter login	
	0		"-1", "		mode: ", "Please enter	
			exit", "		a transaction: "	
			quit"		,	
					"Deposit selected",	
					"Please enter account	
					number:"	
					. Harris of a soline	
					"Account number	
					<pre>confirmed", "Please enter amount:"</pre>	
					enter amount.	
					"Error: Entered amount	
					cannot be less than	
					nothing."	
					,	
					"Please enter amount:",	
					"Please enter a	
					transaction: "	
R16T4	depositin g agent	User cannot deposit an	"login",	valid_account s_list.txt	"Please enter a	none
	invalid	invalid	<pre>"agent", "deposit",</pre>	5	transaction: "	
	number	amount	"1111111",		"Please enter login	
			"dog", "		mode: ", "Please enter	
			exit", "		a transaction: "	
			quit"		,	
					"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: "	

withdraw:

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

	ı		T	Т	1		1
	R17T2	session agent withdra w	Any user should be able to withdraw	"login", "agent", "withdraw",	valid_accounts_li st.txt	"Withdraw selected", "Please enter account number:" "Please enter a transaction: " "Please enter a transaction: "	none
				"exit", "quit"		"Please enter login mode: ", "Please enter a transaction: " "Withdraw selected", "Please enter account number:" "Please enter a transaction: "	
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	R18T1	withdra w valid account number	Verify that the account number is actually valid and exists	"login", "agent", "withdraw", "1111111", "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
simply test with ATM mode)	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

T		 1		1		1
					"Error: Entered account number does not exist.", "Please enter account number:" "Please enter a transaction: "	
R18	withdra w invalid account number less than 7 digits	Ensure the account number is exactly 7 digits	"login", "agent", "withdraw", "123456", "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:" "Error: Account numbers must contain 7 digits.", "Please enter account number: " "Please enter a transaction: "	none
	withdra w invalid account number more than 7 digits	Ensure the account number is exactly 7 digits	"login", "agent", "withdraw", "12345678", "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:" "Error: Account numbers must contain 7 digits.", "Please enter account number:" "Please enter a transaction: "	none
R18	.8T5 withdra winvalid account number starting with a 0	Ensure the account number does not start with a 0	"login", "agent", "withdraw", "0123456",	valid_accounts_li st.txt	"Please enter a transaction: " "Please enter login mode: ", "Please	none

	ı	ı				· · · · · · · · · · · · · · · · · · ·	1
				"exit", "quit"		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: "	
	R18T6	withdra w invalid account	Ensure the account number is	"login", "agent", "withdraw",	valid_accounts_li st.txt	"Please enter a transaction: "	none
		number not a number	actually a number	"dog", " exit", " quit"		"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: "	
Withdrawing from	R19T1	witndra wing ATM valid amount	Ensure that the amount number is actually valid and within deposit constraints for ATM	"login", "machine", "withdraw", "1111111", "2000", "logout", "quit"	valid_accounts_li st.txt	"Please enter a transaction: " "Please enter login mode: ", "Please enter a transaction: "	R19T1_exp ected.txt
Withdrawing from an ATM requires a valid monetary value in the range 0 < M <= 100,000 and cannot exceed 500,000 in a single session				читс		"Withdraw selected", "Please enter account number:"	
3033011						"Account number confirmed", "Please enter amount:"	
						"Amount confirmed"	

						, "Successfully	
						withdrew 2000 cents	
						from account	
						1111111."	
						,"Please enter	
						a transaction: ",	
						"Session completed,	
						output printed to	
						file.", "Please enter	
						a transaction: "	
	R19T2	withdra	Ensure the	"login",	valid_accounts_li	"Please enter a	none
		wing	user cannot	"machine",	st.txt	transaction: "	
		ATM invalid	withdraw more then	"withdraw",		,	
		greater	\$1000 while at	"1111111",		"Please enter login	
		than	an ATM	"300000",		mode: ", "Please	
		100,000		"exit",		enter a transaction:	
				"quit"		"	
				quit			
						,	
						"Withdraw	
						selected", "Please	
						enter account	
						number:"	
						,	
						"Account number	
						confirmed",	
						"Please enter	
						amount:"	
						amount:	
						,	
						"Error: Entered	
						amount cannot exceed	
						the maximum allowable	
						amount."	
						,	
						"Please enter	
						amount:", "Please	
						-	
						enter a transaction:	
	D40=2			1	10.1		
	R19T3	withdra	User cannot	login ATM	valid_accounts_li	"Please enter a	none
		wing ATM	enter an amount less		st.txt	transaction: "	
		invalid	then 0	"login",		,	
		less then	ancii o	"machine",		"Please enter login	
		0		"withdraw",		mode: ", "Please	
				"1111111",		enter a transaction:	
				"-1", "		11	
				exit", "			
				quit"		"Withdraw	
						"Withdraw	
						selected", "Please	
						enter account	
						number:"	
						,	
1						"Account number	
						confirmed".	
						confirmed", "Please enter	
						<pre>confirmed", "Please enter amount:"</pre>	

					·	
					"Error: Entered amount cannot be less than nothing." "Please enter amount:", "Please enter a transaction:	
R19T4	withdra wing ATM invalid amount	Ensure that the user cannot withdraw an invalid amount	"login", "machine", "withdraw", "111111", "dog", " 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: " "Account number confirmed", "Please enter amount: " "Error: Entered amount must be an integer." "Please enter amount:", "Please enter a transaction: "	none
R19T5	withdra wing ATM more than \$5000 in single day	Ensure the user cannot withdraw more than \$5000 in a single day	"login", "machine", "withdraw", "1111111", "100000",	valid_accounts_li st.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 100000 cents from account 1111111.", "Please enter a transaction: ", "Withdraw selected", "Please enter account	R19T5_exp ected.txt

		"exit",	number:", "Account
		"quit"	number confirmed",
		1.	"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:
L	1		

						Entered amount cannot	
						exceed the maximum	
						allowable session	
						amount for this type	
						of transaction.", "Please enter	
						amount:", "Please	
						enter a transaction:	
	D20T4	ikla alusa	Francis that	H.1 H	lid asserta li	IID7	D2074
	R20T1	withdra wing Agent	Ensure that the user is entering a	"login", "agent",	valid_accounts_li st.txt	"Please enter a transaction: "	R20T1_exp ected.txt
		valid amount	valid amount	"withdraw", "1111111",		"Please enter login	
		ainount		"500000",		mode: ", "Please	
				"logout", "quit"		<pre>enter a transaction: "</pre>	
						,	
						"Withdraw selected", "Please	
						enter account	
						number:"	
						"Account number	
						confirmed",	
						"Please enter	
						amount:"	
						"Amount confirmed"	
						, "Successfully	
						withdrew 500000 cents	
Withdrawing as an						from account 111111."	
agent requires a valid monetary						1111111.	
value in the range 0 < M < 99,999,999						,"Please enter	
< 101 < 99,999,999						a transaction: ",	
						"Session completed, output printed to	
						file.", "Please enter	
						a transaction: "	
	R20T2	withdra wing	User cannot enter a value	"login", "agent",	valid_accounts_li st.txt	"Please enter a transaction: "	none
		agent	greater than	agent , "withdraw",		ci diiSdCC10II;	
		invalid amount	99,999,999	"1111111",		"Please enter login	
		greater		"-1", "		mode: ", "Please	
		than 99,999,9		exit", " quit"		enter a transaction:	
		99		4020		J	
						"Withdraw	
						selected", "Please enter account	
						number:"	
						"Account number	
						confirmed",	
						"Please enter	
						amount:"	

R20T3	withdra	User cannot	"login",	valid_accounts_li	"Error: Entered amount cannot be less than nothing." "Please enter amount:", "Please enter a transaction: " "Please enter a	none
	wing agent invalid amount less than 0	enter a value less than 0	"agent", "withdraw", "1111111", "100000000", "exit", "quit"	st.txt	"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: "	
R20T4	withdra wing agent invalid number	User cannot deposit an invalid amount	"login", "agent", "withdraw", "1111111", "dog", " 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: " "Account number confirmed", "Please enter amount: " "Error: Entered	none

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

transfer:

Requireme nt	Tes t No.	Test Name	Purpos e	Input	Input Files	Expected Output	Expected Output Files
	R21T 1	session transfer	Any user should be allowed to transfer	"login", "machine", "transfer", "exit", "quit"	Valid_accounts_list.txt	"Please enter a transaction:	None
						"Please enter login mode: ", "Please enter a transaction:	
						"Transfer selected", "Please enter account number:"	
All users may transfer						"Please enter a transaction:	
	R21T 2	session transfer	Any user should be allowed to transfer	"login", "agent", "transfer", "exit", "quit"	Valid_accounts_list.txt	"Please enter a transaction:	None
						"Please enter login mode: ", "Please enter a transaction: "	
						"Transfer selected", "Please enter	

		I	1				
						account	
						number:"	
						, ,	
						"Please enter	
						a	
						transaction:	
						п	
	R22T	transfer to	Verify that	"login",	valid_accounts_list.txt.	"Please enter	none
	1	valid	the	"agent",	txt	a	
		account number	account number is	"transfer",		transaction:	
		Hamber	actually	"1111111",		II .	
			valid and	"exit",			
			exists	"quit"		,	
				•		"Please enter	
						login mode:	
						", "Please	
						enter a	
						transaction:	
						"	
						"Transfer	
						selected",	
						"Please enter	
						account	
Transfer requires						number:"	
a valid account number to							
transfer to						,	
						"Account	
(It is important to						number	
note that at this						confirmed"	
time it does not						, "Please	
matter if the session is in ATM						enter account	
or agent mode,						number:"	
so we will simply							
test with ATM						,	
mode)						"Please enter	
						a	
						transaction:	
						"	
	R22T	transfer to	Ensure	"login",	valid_accounts_list.txt.	"Please enter	none
	2	non- existent	that the user	"agent",	txt	a	
		account	cannot	"transfer",		transaction:	
			transfer to	"9876543",		"	
			a non-	"exit",			
			existent	"quit"		,	
			account			"Please enter	
						login mode:	
						", "Please	
						enter a	
						transaction:	
						II .	
						,	
						"Transfer	

1	1	1		Г		
					selected",	
					"Please enter	
					account	
					number:"	
					"Error:	
					Entered	
					account	
					number does	
					not exist.",	
					"Please enter	
					account	
					number:"	
					UD1	
					"Please enter	
					a	
					transaction:	
					п	
R22T	transfer to	Ensure the	"login",	valid_accounts_list.txt	"Please enter	none
3	invalid	account	"agent",		a	
	account	number is	"transfer",		transaction:	
	number	exactly 7	"123456",		"	
	less than 7	digits	123430 ,			
	digits		"exit",			
			"quit"		,	
					"Please enter	
					login mode:	
					", "Please	
					enter a	
					transaction:	
					"	
					,	
					"Transfer	
					selected",	
					"Please enter	
					account	
					number:"	
					Tramber :	
					, "Enna :: :	
					"Error:	
					Account	
					numbers must	
					contain 7	
					digits.",	
					"Please enter	
					account	
					number:"	
					number::	
					,	
					"Please enter	
					a	
					transaction:	
					"	
	i	1	l	İ	İ	

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: "	none
					"Transfer selected", "Please enter account number:" "Error: Account numbers must contain 7 digits.", "Please enter account number:"	
					"Please enter a transaction:	
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: "	none
					"Transfer selected", "Please enter account number:"	

		ı	ı	1		T	
						"Error:	
						Account	
						numbers	
						cannot begin	
						with a 0.",	
						"Please enter	
						account	
						number:"	
						,	
						"Please enter	
						a	
						transaction:	
						п	
	R22T	transfer to	Ensure the	"login",	valid_accounts_list.txt	"Please enter	none
	6	invalid	account	"agent",		a	
		account	number is	"transfer",		transaction:	
		number	actually a	"dog", "		"	
		not a	number	uug ,			
		number		exit", "			
				quit"		,	
						"Please enter	
						login mode:	
						", "Please	
						enter a	
						transaction:	
						ш	
						"Transfer	
						selected",	
						"Please enter	
						account	
						number:"	
						,	
						"Error:	
						Entered	
						account	
						number is in	
						fact, not a	
						number.",	
						"Please enter	
						account	
						number:"	
						,	
						"Please enter	
						a	
						transaction:	
						II .	
Transfer requires	R23T	transfer	Verify that	"login",	valid_accounts_list.txt.	"Please enter	none
a valid account	1	from valid	the	"agent",	txt	a	
number to		account	account	"transfer",		transaction:	
transfer from		number	number is			וו	
			actually	"1111111",			
(It is important to			valid and	"2222222",			
note that at this			exists			,	

mater fithe assons in ATM or agent mode; rest with ATM mode) Razar transfer account number: "Transfer selected", "Please enter account number: "Account number confirmed" , "Please enter account number: "Account number: "Account number confirmed" , "Please enter account number: "Please enter account number: "Please enter account number: "Please enter account number: "Please enter account "Please enter account "Please enter account "Please enter a transaction: "Please enter a transaction: "Please enter a transaction: "Please enter a transaction: "Please enter a transaction: "Please enter a transaction: "Please enter a transaction: "Please enter a transaction: "Please enter a transaction: "Transfer selected", "Please enter a transaction: "Transfer								
### ### ##############################	time it does not				"exit".		"Please enter	
assion in ATM or agent mode, so we will simply test with ATM mode) Razif transfer selected", "Please enter a cacount number: "Account numb	matter if the							
or agent mode, so we will simply teal with ATM model) R23T transfer selected", "Please enter account number:" R23T transfer from non-existent account that the existent that the existence t					quit			
well smaply transaction: "Transfer selected", "Please enter account number: "Account number:" "Account number confirmed", "Please enter account: """"""""""""""""""""""""""""""""""""							", "Please	
transaction: "Transfer selected", "Please enter account number: "Account number confirmed", "Please enter account number:" "Account number confirmed", "Please enter account number:" "Account number:" "Account number:" "Account number:" "Account number:" "Insured confirmed", "Please enter a transaction: ""Please enter a transaction: ""Insured confirmed", "Please enter a transaction: ""Transfer selected", "Please enter a transaction:	_						enter a	
R231 transfer Ensure "login", "Account number:" "Account number:" "Account number:" "Account number:" "Please enter account number:" "Please enter amount:" "Please enter amount:" "Please enter amount:" "Please enter amount:" "Please enter a transaction: "" "" "" "" "" "" ""								
R23T transfer selected", "Please enter account number: " "Account number confirmed", "Please enter account number: " "Account number confirmed", "Please enter amount: " "Please enter amount: " "Please enter a transaction: " "Transfer selected", "Please enter a transaction: " "Initial!", "-quit" "Please enter a transaction: " "Initial!", "-quit" "Please enter a transaction: " "Please enter login mode: ", "Please enter a transaction: " "Transfer selected", "Please enter a transaction: " "Transfer selected", "Please enter a transaction: "								
R231 transfer from non- existent account non- existent account non- existent account non- existent account non- existent account non- existent account non- existent account non- existent account "login", "agent", "gent", "transfer", "illilli", "Fransfer", "111111", "B76543", "equit" "Please enter a transaction: "Please enter a transaction: "Please enter a transaction: "Please enter a transaction: "Please enter login mode: ", "Please enter a transaction: "Transfer selected", "Please enter a transaction: "Transfer selected", "Please enter account "Transfer selected", "Please enter account "Transfer selected", "Please enter account	mode)							
R231 transfer from non- existent account non- existent account non- existent account non- existent account non- existent account non- existent account non- existent account non- existent account "login", "agent", "gent", "transfer", "illilli", "Fransfer", "111111", "B76543", "equit" "Please enter a transaction: "Please enter a transaction: "Please enter a transaction: "Please enter a transaction: "Please enter login mode: ", "Please enter a transaction: "Transfer selected", "Please enter a transaction: "Transfer selected", "Please enter account "Transfer selected", "Please enter account "Transfer selected", "Please enter account								
R231 transfer from non- existent account non- existent account non- existent account non- existent account non- existent account non- existent account non- existent account non- existent account "login", "agent", "gent", "transfer", "illilli", "Fransfer", "111111", "B76543", "equit" "Please enter a transaction: "Please enter a transaction: "Please enter a transaction: "Please enter a transaction: "Please enter login mode: ", "Please enter a transaction: "Transfer selected", "Please enter a transaction: "Transfer selected", "Please enter account "Transfer selected", "Please enter account "Transfer selected", "Please enter account								
R231 transfer from non- existent account non- existent account non- existent account non- existent account non- existent account non- existent account non- existent account non- existent account "login", "agent", "gent", "transfer", "illilli", "Fransfer", "111111", "B76543", "equit" "Please enter a transaction: "Please enter a transaction: "Please enter a transaction: "Please enter a transaction: "Please enter login mode: ", "Please enter a transaction: "Transfer selected", "Please enter a transaction: "Transfer selected", "Please enter account "Transfer selected", "Please enter account "Transfer selected", "Please enter account							UT C	
R23T transfer from non-existent account rounder: 2								
R23T transfer from an one existent account transfer from a none existent account account transfer from a none existent account							selected",	
R23T transfer from an one existent account transfer from a none existent account account transfer from a none existent account							"Please enter	
R23T transfer from non-existent account								
R23T transfer from nonexistent account existent existence existent account existence								
R23T transfer 2 from non- existent account number confirmed" , "please enter amount:" "Please enter a transaction: "" "Please enter a transaction: "" "transfer" cannot transfer from a non- existent account account "" "9876543", "exit", "quit" "" "Please enter login mode: ", "please enter login mode: ", "please enter a transaction: "" "Transfer selected", "Please enter a transaction: "" "Transfer selected", "Please enter a transaction: "" "Transfer selected", "Please enter account							number:"	
R23T transfer 2 from non- existent account number confirmed" , "please enter amount:" "Please enter a transaction: "" "Please enter a transaction: "" "transfer" cannot transfer from a non- existent account account "" "9876543", "exit", "quit" "" "Please enter login mode: ", "please enter login mode: ", "please enter a transaction: "" "Transfer selected", "Please enter a transaction: "" "Transfer selected", "Please enter a transaction: "" "Transfer selected", "Please enter account								
R23T transfer 2 from non- existent account number confirmed" , "please enter amount:" "Please enter a transaction: "" "Please enter a transaction: "" "transfer" cannot transfer from a non- existent account account "" "9876543", "exit", "quit" "" "Please enter login mode: ", "please enter login mode: ", "please enter a transaction: "" "Transfer selected", "Please enter a transaction: "" "Transfer selected", "Please enter a transaction: "" "Transfer selected", "Please enter account								
R23T transfer 2 from non- existent account number confirmed" , "please enter amount:" "Please enter a transaction: "" "Please enter a transaction: "" "transfer" cannot transfer from a non- existent account account "" "9876543", "exit", "quit" "" "Please enter login mode: ", "please enter login mode: ", "please enter a transaction: "" "Transfer selected", "Please enter a transaction: "" "Transfer selected", "Please enter a transaction: "" "Transfer selected", "Please enter account								
R23T transfer 2 from non-existent account rounds ac								
R23T transfer continumber: Transfer canount variety account number: R23T transfer define monevalue of the state of the s							number	
R23T transfer continumber: Transfer canount variety account number: R23T transfer define monevalue of the state of the s							confirmed"	
R23T transfer 2 from non- existent account non- existent account non- existent account "Transfer" ""Please enter a transaction: "" "Please enter a transaction: "" "Transfer selected", "Please enter account								
R23T transfer cannot transfer from an non-existent account acc								
R23T transfer from non-existent account								
R23T transfer from non-existent account						number:"		
R23T transfer 2 from non- existent account existent existent account existent existent existent account existent e								
R23T transfer 2 from non- existent account existent existent account existent existent existent account existent e								
R23T transfer 2 from non- existent account existent existent account existent existent existent account existent e							,	
R23T transfer from non-existent account "login", "ylease enter a transaction: "Please enter a transaction: "Please enter a transaction: "Please enter a transaction: """ "Please enter a transaction: """ "Please enter a transaction: """ "Please enter login mode: ", "Please enter login mode: ", "Please enter a transaction: """ "Please enter a transaction: """ "Transfer selected", "Please enter a cacount """ "Please enter a transaction: """ "" "Please enter a transaction: """ "" "Please enter a transaction: """ "" "" "" "" "" "" "" "" "" "" "" "							"Account	
R23T transfer from non-existent account "login", "ylease enter a transaction: "Please enter a transaction: "Please enter a transaction: "Please enter a transaction: """ "Please enter a transaction: """ "Please enter a transaction: """ "Please enter login mode: ", "Please enter login mode: ", "Please enter a transaction: """ "Please enter a transaction: """ "Transfer selected", "Please enter a cacount """ "Please enter a transaction: """ "" "Please enter a transaction: """ "" "Please enter a transaction: """ "" "" "" "" "" "" "" "" "" "" "" "							numher	
R23T transfer 2 from non- existent account ransfer from a non- existent account R23T transfer 2 from non- existent account R23T transfer 2 from non- existent account R23T transfer 1 from non- existent account R23T transfer 1 from non- existent account R23T transfer 1 from non- existent account R23T transfer 1 from non- existent account R23T transfer 1 from non- existent account R23T transfer 1 from non- existent account R23T transfer 1 from non- existent 1 from non- existent 2								
R23T transfer from non-existent account non-existent account reaccount reaccount reaccount non-existent account non-existent account non-existent account non-existent account non-existent account non-existent non-								
R23T transfer from nonexistent account							, "Please	
R23T transfer from nonexistent account							enter	
R23T transfer from non-existent account existent existence existent existence								
R23T transfer from non-existent account							alloure.	
R23T transfer from non-existent account								
R23T transfer from non-existent account							,	
R23T transfer from non-existent account							"Please enter	
R23T transfer from non-existent account R23T transfer from non-existent account R23T transfer from non-existent account """ """ """ """ """ """ """ """ """ "								
R23T transfer from non-existent account								
R23T transfer from non-existent account							transaction:	
from non- existent account that the user cannot transfer from a non- existent account "g876543", "exit", "quit" txt a transaction: " "Please enter login mode: ", "Please enter a transaction: " "Transfer selected", "Please enter account								
from non- existent account that the user cannot transfer from a non- existent account "g876543", "exit", "quit" txt a transaction: " "Please enter login mode: ", "Please enter a transaction: " "Transfer selected", "Please enter account		R23T	transfer	Ensure	"logir"	valid accounts list tyt	"Dlasce enten	none
existent account user cannot transfer from a non-existent account ""-exit", ""-quit" ""Transfer selected", "Please enter a transaction: ""Transfer selected", "Please enter account								-
account cannot transfer from a non-existent account ""1111111", "9876543", "exit", "-quit" "Please enter login mode: ", "Please enter a transaction: " "Transfer selected", "Please enter account		-						
transfer from a non-existent account "1111111", "9876543", "exit", "quit" "Please enter login mode: ", "Please enter a transaction: " "Transfer selected", "Please enter account					"transfer",		transaction:	
from a non-existent account "exit", "quit" "Please enter login mode: ", "Please enter a transaction: " "Transfer selected", "Please enter account			account		"1111111".			
non- existent account "exit", "quit" "Please enter login mode: ", "Please enter a transaction: " "Transfer selected", "Please enter account			1					
existent account "quit" "Please enter login mode: ", "Please enter a transaction: " "Transfer selected", "Please enter account								
account login mode: ", "Please enter a transaction: " "Transfer selected", "Please enter account			1		"exit",		,	
login mode: ", "Please enter a transaction: " "Transfer selected", "Please enter account					"quit"		"Please enter	
", "Please enter a transaction: " "Transfer selected", "Please enter account			1	account				
enter a transaction: " "Transfer selected", "Please enter account							" "Dlooco	
transaction: " "Transfer selected", "Please enter account			1	1				
"Transfer selected", "Please enter account								
"Transfer selected", "Please enter account			1	1			transaction:	
selected", "Please enter account								
selected", "Please enter account								
selected", "Please enter account								
selected", "Please enter account			1	1			,	
selected", "Please enter account							"Transfer	
"Please enter account			1	1				
account								
							account	
,	1		1					
	Ī							

R23T 3	transfer from invalid account number less than 7 digits	Ensure the account number is exactly 7 digits	"login", "agent", "transfer", "1111111", "123456", "exit", "quit"	valid_accounts_list.txt	number confirmed" , "Please enter account number:" "Error: Entered account number does not exist.", "Please enter account number:" "Please enter a transaction: " "Please enter a transaction: " "Please enter a transaction: " "Transfer selected", "Please enter account number:" "Account number:" "Account number confirmed" , "Please	none
					number confirmed"	

R23T transfer account number: R23T transfer form account number: #Please enter a transaction: "Please enter a transaction: "Please enter a transaction: "Please enter a transaction: "Incomplete executy" transfer executy" exactly " "1111111", "12345678", "quit" "Please enter a transaction: "Transfer selected", "Please enter account number:" "Account number:" "Account number:" "Account number:" "Account number:" "Account number:" "Please enter account number:"	T							
R22T transfer from more than 7 digits "littransfer a transaction: "Please enter a transaction: ""Please enter a transaction: ""Please enter a transaction: ""Please enter a transaction: ""Please enter login mode: ", "please enter login mode: ", "please enter a transaction: ""Transfer selected", "Please enter account number:" "Account number:" "Account number:" ""Account number:" ""Account number:" """, "Please enter account number:"							"Please enter	
R22T transfer from more than 7 digits "littransfer a transaction: "Please enter a transaction: ""Please enter a transaction: ""Please enter a transaction: ""Please enter a transaction: ""Please enter login mode: ", "please enter login mode: ", "please enter a transaction: ""Transfer selected", "Please enter account number:" "Account number:" "Account number:" ""Account number:" ""Account number:" """, "Please enter account number:"							account	
R231 transfer scount mumber is required account number: R231 transfer from invalid account number is required account number is represented account number: R231 transfer from invalid account number is represented account number: R231 transfer selected, "Please enter a transaction: "Transfer selected, "Please enter account number: "Account number: "Account number: "Error: Account number: "Error: Account number: "Error: Account number: "Ingin, "Please enter account number: "Error: "Error: Account number: "Error: "Please enter account number: "Ingin, "Please enter account number: "Error: "Error: Account number: "Error: Account number: "Ingin, "Please enter account number: "Error: Account number: "Error: Account number: "Error: Account number: "Please enter account number: "Please enter account number: "Ingin, "Please enter account number: "Please enter account number: "Error: Account number: "Error: Account number: "Error: Account number: "Ingin, "Please enter account number: "Please enter account number: "Transfer selected" "Please enter account number: "Error: Account number: "Error: Account number: "Error: Account number: "Error: Account number: "Error: Account number: "Error: Account number: "Error: Account number: "Error: Account number: "Error: Account number: "Error: Account number: "Transfer selected" "Please enter account number: "Error: Account numb								
R23T transfer source the from invalid account invalid account of the from none account number is							Trainoct .	
R23T transfer source the from invalid account invalid account of the from none account number is								
R23T transfer from invalid accounts more than 7 digits							,	
R23T transfer selected", "Please enter account number: " "Transfer selected", "Please enter account number: " "Transfer selected", "Please enter account number: " "Account number: "Account number: " "Farsfer selected", "Please enter account number: " "Transfer selected", "Please enter account number: " "Account number: " "Error: Account number: " "Error: Account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Error: Account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Transfer", "Please enter account number: " "Transfer", "Transfer", " "Transfer", "Please enter account number: " "Transfer", "Transfer", " "Transfer", "Please enter account number: " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Please enter account number: " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfe							"Please enter	
R23T transfer selected", "Please enter account number: " "Transfer selected", "Please enter account number: " "Transfer selected", "Please enter account number: " "Account number: "Account number: " "Farsfer selected", "Please enter account number: " "Transfer selected", "Please enter account number: " "Account number: " "Error: Account number: " "Error: Account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Error: Account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Transfer", "Please enter account number: " "Transfer", "Transfer", " "Transfer", "Please enter account number: " "Transfer", "Transfer", " "Transfer", "Please enter account number: " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Please enter account number: " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfer", " "Transfer", "Transfe							а	
R23T transfer from account number more than 7 digits								
R23T transfer from mivald account mumber account mu								
4 from invald account number is exactly number is exactly number is exactly number is exactly number is exactly number is exactly number is exactly number is not provided in the provided inear the provided in the provided in the provided in the provided								
Invalid account exactly number is account mumber is more than 7 digits "Transfer", "1111111", "-quit" "Please enter login mode: ", "Please enter a transaction: "" "Transfer selected", "Please enter account number: "" "Account number: "" "Please enter account numb					"login",	valid_accounts_list.txt	"Please enter	none
Invalid account numbers with a section account number: R23T transfer transfer transfer transfer transaction: R23T transfer transfer transfer transaction: R23T transfer transfer transfer transaction: R23T transfer transfer transfer transaction: R23T transfer transfer transfer transaction: R23T transfer transfer transfer transaction: R23T transfer transfer transfer transaction: "11111" "12345678", "Please enter account number:" "Account number:" "Error: Account number:" "Error: Account number:" "Please enter account number:" "Please enter account number:" "Please enter account number:" "Please enter account number:" "Please enter account number:" "Please enter account number:" "Please enter account number:" "Invalid account number:" "Please enter account number:" "Please enter account number:" "Please enter account number:" "Please enter account number:" "Please enter account number:" "Invalid account number:" "Please enter account number:" "Invalid account number:" "Invalid account number:" "Invalid account number:" "Invalid account number:" "Invalid account number:" "Invalid account number:" "Invalid account number:" "Invalid account number:" "Invalid account number:" "Invalid account number:"		4			"agent",		a	
number more than 7 digits "1111111", "12345678", "-exit", "-quit" "Please enter login mode: ", "Please enter a transaction: " "Transfer selected", "Please enter account number: "Account number: "Account number: "Account number: "Error: Account number: "Error: Account number: "Please enter account number: "" "Please enter account number: "" "Please enter account number: "" "Please enter account number: "" "Please enter account number: "" "Please enter account number: "" "Please enter a transaction: ": "Please enter a transaction: ": "Please enter a transaction: ": "Please enter a transaction: "" "Please enter a transaction: "" "" "" "" "" "" "" "" "" "" "" "" ""					"transfer"		transaction:	
more than 7 digits "exit", "quit" "Please enter login mode: ", "Please enter a transaction: " "Transfer selected", "Please enter account number: " "Account number confirmed", "Please enter account number: " "Error: Account number:" "Error: Account numbers must contain 7 digits.", "Please enter account number: " "Please enter account number: " "Error: Account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Transfer account number: " "Transf					"1111111"		"	
R23T transfer from invalid account invalid invalid account invalid i				digits				
"quit" "-quit" "-quit" "-quit" "Please enter login mode: ", "Please enter a transaction: "Transfer selected", "Please enter account number: "Account number: "Account number: "Fror: Account number: "Error: Account number: "Error: Account number: "Please enter account number: "Please enter account number: "" "Please enter account number: "" "Please enter account number: "" "Please enter account number: "" "Please enter account number: "" "Please enter account number: "" "Please enter account number: "" "Please enter account number: "" "" "" "" "" "" "" "" "" "" "" "" ""								
R23T transfer from account invalid invalid account invalid invalid account invalid i			7 digits				,	
R23T transfer from account invalid invalid account invalid invalid account invalid i					"quit"		"Please enter	
", "Please enter a transaction: ""Transfer selected", "Please enter account number:" "Account number:" "Account number:" "Account number:" "Error: Account number:" "Error: Account number:" "Please enter account number:" "Please enter account number:" "Please enter account number:" "Please enter account number:" "Please enter account number:" "Please enter a transaction: "; "Please enter a transaction: "; "Please enter a transaction: "; "Please enter a transaction: "; "Please enter a transaction: "; "Please enter a transaction: "; "Please enter a transaction: "; "Please enter a transaction: "; "Please enter a transaction:							login mode:	
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 numbers must contain 7 digits.", "Please enter account number: ""Please enter account number: ""Please enter account number: ""Please enter account number: ""Please enter a transaction: ""Please enter a transaction: ""Invalid account "agent", "Transfer", ""Transfer", ""Transfer account "agent", "Transfer", ""Transfer account "agent", "Transfer", ""Transfer account "ansaction:							" "Dloose	
Transfer selected", "Please enter account number: "Account number confirmed" , "Please enter account number:" "Error: Account numbers must contain 7 digits.", "Please enter account number:" R23T transfer 5 from invalid account number serving transfer account number ""Please enter a transaction: ": "Please enter a transaction: ": "Please enter a transaction: ": "Please enter a transaction: ": "Transfer" account number:"								
"Transfer selected", "Please enter account number:" "Account number confirmed", "Please enter account number:" "Error: Account numbers must contain 7 digits.", "Please enter account numbers must contain 7 digits.", "Please enter account number:" R23T transfer selected", "Please enter account number:" "Please enter account number:" "Please enter account number:" "Please enter account number:" "Please enter account number:" "Transfer selected", "Please enter account number:" "Please enter account number:" "Transfer selected", "Please enter account number:" "Please enter account number:" "Transfer selected", "Please enter account number:" "Transfer selected", "Please enter account number:" "Please enter account number:" "Transfer selected", "Please enter account number:" "Transfer selected", "Please enter account number:" "Please enter account number:" "Transfer selected", "Please enter account number:" "Transfer selected", "Please enter account number:" "Transfer selected", "Please enter account number:" "Transfer selected", "Please enter account number:" "Transaction: ": "Please enter account number:"								
"Transfer selected", "Please enter account number:" "Account number confirmed", "Please enter account number:" "Error: Account numbers must contain 7 digits.", "Please enter account numbers must contain 7 digits.", "Please enter account number:" R23T transfer selected", "Please enter account number:" "Please enter account number:" "Please enter account number:" "Please enter account number:" "Please enter account number:" "Transfer selected", "Please enter account number:" "Please enter account number:" "Transfer selected", "Please enter account number:" "Please enter account number:" "Transfer selected", "Please enter account number:" "Transfer selected", "Please enter account number:" "Please enter account number:" "Transfer selected", "Please enter account number:" "Transfer selected", "Please enter account number:" "Please enter account number:" "Transfer selected", "Please enter account number:" "Transfer selected", "Please enter account number:" "Transfer selected", "Please enter account number:" "Transfer selected", "Please enter account number:" "Transaction: ": "Please enter account number:"							transaction:	
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 account number:" "Please enter account number:" "Please enter account number:" "Please enter account number:" "Please enter a transaction: ": "Please enter a transaction: ": "Please enter a transaction:							II .	
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 account number:" "Please enter account number:" "Please enter account number:" "Please enter account number:" "Please enter account number:" "Please enter account number:" "Iogin", "agent", "agent", "ransfer", "transfer", "transfer", "transfer", "transacction:								
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 account number:" "Please enter account number:" "Please enter account number:" "Please enter account number:" "Please enter account number:" "Please enter account number:" "Iogin", "agent", "agent", "ransfer", "transfer", "transfer", "transfer", "transacction:								
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 account number:" "Please enter account number:" "Please enter account number:" "Please enter account number:" "Please enter account number:" "Please enter account number:" "Iogin", "agent", "agent", "ransfer", "transfer", "transfer", "transfer", "transacction:							, ,	
"Please enter account number: "Account number confirmed", "Please enter account number: "Error: Account number: " "Error: Account numbers must contain 7 digits.", "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "" "" "" "" "" "" "" "" "" "" "" ""								
"Please enter account number: "Account number confirmed", "Please enter account number: "Error: Account number: " "Error: Account numbers must contain 7 digits.", "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "Please enter account number: " "" "" "" "" "" "" "" "" "" "" "" ""							selected",	
R23T transfer from invalid account invalid acc								
R23T transfer from account invalid accounts invalid account invalid account invalid account invalid account invalid account invalid account invalid account does not account invalid account does not account invalid account does not account does not account does not account does not account does not account does not account does not account does not account does not does								
R23T transfer from linvalid account number account number: R23T transfer from linvalid account number account number account number: R23T transfer des not account number account number account number account number account number: R23T transfer account number: R23T transfer des not account numbers must contain 7 digits." R23T transfer account number account number account numbers must contain 7 digits." "Please enter account number account number account numbers must contain 7 digits." "Please enter account number: "Please enter account number: "Transfer" "Transfer" "Transfer" "Transfer" "Transfer" "Transfer" "Transfer" "Transfer" "Transfer"								
R23T transfer from invalid account invalid invalid account invalid account invalid inv							number:	
R23T transfer from invalid account invalid inv								
R23T transfer from invalid account invalid invalid account invalid account invalid inv							,	
R23T transfer from invalid account invalid invalid account invalid account invalid inv							"Account	
Confirmed" , "Please enter account number:" "Error: Account numbers must contain 7 digits.", "Please enter account number:" "Please enter account number:" "Please enter a transaction: ": "Please enter a transaction: ": "transfer account number "transfer", "transfer", "transfer", "transfer", "transfer", "transfer",								
R23T transfer 5 from invalid account inumber R23T transfer 5 from invalid account inumber inu								
R23T transfer from invalid account inumber R23T from invalid account inumber account inumber invalid account inumber account inumber account inumber inumbe								
R23T transfer from invalid account invalid account one of the second invalid account one of the second invalid account one of the second invalid account one of the second invalid account one of the second invalid account one of the second invalid account one of the second invalid account one of the second invalid account one of the second invalid account one of the second invalid account one of the second invalid account one of the second invalid invalid account one of the second invalid i								
R23T transfer from invalid account number from invalid account number:							enter account	
R23T transfer from invalid account number from invalid account number:							number:"	
R23T transfer from invalid account invalid account number account								
R23T transfer from invalid account invalid account number account								
Account numbers must contain 7 digits.", "Please enter account number:" "Please enter a transaction: ": R23T transfer from account invalid number account invalid number account invalid account does not "transfer", "transfer", "transfer", "transfer", "transfer", "transaction:								
R23T transfer from account invalid account invalid account does not invalid account does not invalid account does not invalid account does not invalid account displayed account invalid account displayed account invalid account does not invalid account displayed account invalid account does not invalid account displayed accounts displayed accounts displayed accounts displayed accounts displayed accounts displayed accounts displayed accounts displayed accounts displayed account account displayed accounts displayed accounts displayed account displayed accounts displayed accounts displayed accounts displayed accounts displayed accounts displayed accounts displayed accounts displayed accounts displayed accounts displayed accounts displayed accounts displayed account disp								
R23T transfer from account invalid account invalid account does not invalid account does not invalid account does not invalid account does not invalid account displayed account invalid account displayed account invalid account does not invalid account displayed account invalid account does not invalid account displayed accounts displayed accounts displayed accounts displayed accounts displayed accounts displayed accounts displayed accounts displayed accounts displayed account account displayed accounts displayed accounts displayed account displayed accounts displayed accounts displayed accounts displayed accounts displayed accounts displayed accounts displayed accounts displayed accounts displayed accounts displayed accounts displayed accounts displayed account disp							Account	
R23T transfer from invalid account number number n							numbers must	
R23T transfer from account invalid number account invalid number account invalid account invalid account does not account does not account invalid account does not account invalid account does not account invalid account does not account invalid account does not account invalid account								
R23T transfer from invalid account number account number account number account number account number account number account number account number account number account number does not "lasses", "lasses enter a transaction: ": "Please enter account invalid accounts list.txt" "Please enter a transaction: "transaction:								
R23T transfer from invalid account number account number account number does not account number does not account number does not account number does not account number does not account number does not account number does not account number does not account number does not account number does not account number does not number does not number does not number number number number number number number number number number number number number number number number:								
R23T transfer from invalid account number does not number. " R23T transfer from invalid account number does not number number does not number								
R23T transfer Ensure the account number does not "transaction: ": "Please enter a transaction: ": ": "! "Please enter a transaction: ": ": " " " " " " " " " " " " " " " "		1						
R23T transfer Ensure the account number does not "transaction: ": "Please enter a transaction: ": ": "! "Please enter a transaction: ": ": " " " " " " " " " " " " " " " "							number:"	
R23T transfer from invalid account number does not roughly account account number transfer", "transfer", "transfer", "transaction:								
R23T transfer from invalid account number does not roughly account account number transfer", "transfer", "transfer", "transaction:								
R23T transfer from invalid account number does not roughly account account number transfer", "transfer", "transfer", "transaction:							"Dloaco ontor	
R23T transfer from invalid account number does not transaction: "": "login", valid_accounts_list.txt "Please enter a transaction: ""transfer", "transaction:								
R23T transfer Ensure the account invalid account does not "login",								
R23T transfer from account invalid account does not ransfer", account livalid account livalid account livalid account livalid account livalid account livalid account livalid								
from account number does not account number. "agent", account transaction:								
from account number does not account number. "transfer", transaction:		R23T	transfer	Ensure the	"login".	valid_accounts_list.txt	"Please enter	none
account does not "transfer", transaction:		5		account				
111111111111111111111111111111111111111			invalid	number				
number 11111111,				does not	"1111111",		" alisactiuli.	
			number		1111111,			

	starting	start with	"0123456"			
	with a 0	start with a O	"0123456", "exit", "quit"		"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:	
R23 [°] 6	T transfer from invalid account number not a number	Ensure the account number is actually a number	"login", "agent", "transfer", "1111111", "dog", " exit", "	valid_accounts_list.txt	"Please enter a transaction:	none
			quit"		"Please enter login mode: ", "Please enter a transaction: "	
					"Transfer selected", "Please enter	

	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", "1111111", "exit", "quit"	valid_accounts_list.txt	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: " "Please enter a transaction: " "Please enter a transaction: " "Please enter a transaction: " "Please enter a transaction: " "Account number: " " "Account number: " " "Account number: " " " " " " " " " " " " " " " " " " "	none
--	--------	--	--	---	-------------------------	--	------

						"Error: From account cannot be the same as to account.", "Please enter account number:" "Please enter a transaction: "	
Transferring from an ATM requires a valid monetary value in the range 0 < M <= 1,000,000 and cannot exceed 1,000,000 in a single session	R24T 1	Transferrin g valid amount in ATM mode	Ensure that the amount number is actually valid and within transfer constraints for ATM	"login", "machine", "transfer", "1111111", "2222222", "750000", "logout", " quit"1111111 100 logout	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: " "Account number: " "Account number confirmed", "Please enter account number: " "Account number: " "Account number confirmed", "Please enter amount: " "Amount confirmed", "Successfully transferred	R24T1_expected.t xt

1		•					
						750000 cents	
						from account	
						2222222 to	
						1111111."	
						1111111	
						"Dl	
						,"Plea	
						se enter a	
						transaction:	
						", "Session	
						completed,	
						output	
						printed to	
						file.",	
						"Please enter	
						a	
						transaction:	
						п	
	R24T	Transferrin	Ensure the	"login",	valid_accounts_list.txt	"Please enter	none
	2	g amount	user	"machine",		a	
		greater	cannot	"transfer",		transaction:	
		than	transfer	"1111111",		"	
		1,000,000	more then				
		in ATM	\$10,000	"222222",			
		mode	while at an ATM	"2000000",		,	
			ATIVI	"exit",		"Please enter	
				"quit"		login mode:	
						", "Please	
						enter a	
						transaction:	
						11	
						,	
						"Transfer	
						selected",	
						"Please enter	
						account	
						number:"	
						"Account	
						number	
						confirmed"	
						, "Please	
						enter account	
						number:"	
						"Account	
						number	
						confirmed"	
						, "Please	
						enter	
						amount:"	
						,	
						"Error:	
						Entered	
	l	L				Effect ed	

1	T	ı	ı			
					amount cannot	
					exceed the	
					maximum	
					allowable	
					amount."	
					,	
					"Please enter	
					amount:",	
					"Please enter	
					a	
					transaction:	
					п	
R24T	Transferrin	User	"login",	valid_accounts_list.txt	"Please enter	none
3	g amount	cannot	"machine",		a	
	less than 0	enter a	"transfer",		transaction:	
	in ATM	transfer	"1111111",		"	
	mode	amount less then 0	"2222222",			
		icas uicii U	"-1", "			
			exit", "		"Please enter	
			quit"		login mode:	
			quit		", "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 cannot	
					be less than	
					nothing."	

1						
					"Please enter amount:", "Please enter a transaction:	
R24T 4	Transferrin g invalid amount in ATM mode	Ensure that the user cannot transfer an invalid amount	"login", "machine", "transfer", "1111111", "2222222", "dog", " exit", " quit"	valid_accounts_list.txt	"Please enter a transaction: " "Please enter login mode: ", "Please enter a transaction: " "Transfer	none
					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	

					transaction:	
R24T 5	Transferrin g amount greater than \$10,000 in a single day	Ensure user cannot transfer more than \$10,000 in a single day	"login", "machine", "transfer", "1111111", "2222222", "750000", "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: "	R24T5_expected.t xt
					number confirmed" , "Please enter account number:" "Account number confirmed" , "Please enter amount:" "Amount confirmed" , "Successfully transferred 750000 cents from account	
					"Please enter a transaction: ", "Transfer selected"	

	l	1	I				
						"Please enter account number:", "Account number confirmed" "Please enter account number:", "Account number:", "Account number confirmed" "Please enter amount:", "Error: Entered amount cannot exceed the maximum allowable session amount for this type of transaction." "Please enter amount:", "Please enter amount:", "Please enter amount:", "Please enter a	
						transaction:	
Transferring in Agent mode requires a valid monetary value in the range 0 < M <= 99,999,999	R25T 1	Transferrin g valid amount in Agent mode	Ensure that the amount number is actually valid and within transfer constraints for Agent	"login", "agent", "transfer", "1111111", "2222222", "7500000", "logout", "quit"	valid_accounts_list.txt	"Please enter a transaction: " "Please enter login mode: ", "Please enter a transaction: "	R25T1_expected.t
						"Transfer selected", "Please enter	

					account	
					number:"	
					,	
					"Account	
					number confirmed"	
					, "Please	
					enter account	
					number:"	
					,	
					"Account	
					number confirmed"	
					, "Please	
					enter	
					amount:"	
					"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:	
R25T	Transferrin	Ensure the	W1	valid_accounts_list.txt	"Dlogge state	none
2	g amount	user	"login", "machine",	valid_accounts_list.tXt	"Please enter	none
	greater	cannot	"transfer",		transaction:	
	than 99,999,999	transfer more then	"1111111",		"	
	in Agent	\$99,999.99	"222222",			
	mode	while in	"100000000"		,	
		Agent mode	, "exit",		"Please enter	
			"quit"		login mode:	
					", "Please enter a	
					transaction:	
					"	
1	Ī		l		i	

					"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", "	valid_accounts_list.txt	"Please enter a transaction:	none
			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	
						<pre>enter amount:"</pre>	
						amount:	
						"Error:	
						Entered	
						amount cannot	
						be less than	
						nothing."	
						, "Please enter	
						amount:",	
						"Please enter	
						a	
						transaction:	
	R25T	Transferrin	Ensure	"login",	valid_accounts_list.txt	"Please enter	none
	4	g invalid amount in	that the user	"machine",		a	
		Agent	cannot	"transfer", "1111111",		transaction:	
		mode	transfer an invalid	"2222222",			
			amount	"dog", " exit", "		UD1	
				quit"		"Please enter login mode:	
				quit		", "Please	
						enter a	
						transaction:	
						"Transfer	
						selected",	
						"Please enter	
						account	
						number:"	
						,	
						"Account	
1						number	

		confirmed"
		, "Please
		enter account
		number:"
		Trailiber :
		"Account
		number
		confirmed"
		, "Please
		enter amount:"
		amourt:
		, ue
		"Error:
		Entered
		amount must
		be an
		integer."
		,
		"Please enter
		amount:",
		"Please enter
		a
		transaction:
		· ·

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