

TCI Table:

TCI	Parameter	Equivalence Partition	Test Case
EP1.1	initialBalance	Long.MIN_VALUE..-1	T1.1.1
EP1.2		0..Long.MAX_VALUE	T1.1.2
EP1.3	Return Result	INVALID_INPUT	T1.1.1
EP1.4		SUCCESS	T1.1.2
EP2.1	amount	Long.MIN_VALUE..0	T1.2.1
EP2.2		1..Long.MAX_VALUE	T1.2.2
EP2.3	accountNumber	1..Long.MAX_VALUE	T1.2.1
EP2.4	Return Value	INVALID_INPUT	T1.2.1
EP2.5		ACCOUNT_NOT_FOUND	T1.2.3
EP2.6		SUCCESS	T1.2.2
EP3.1	amount	Long.MIN_VALUE..0	T1.3.1
EP3.2		1..balance	T1.3.2
EP3.3		balance..Long.MAX_VALUE	T1.3.3
EP3.4	accountNumber	1..Long.MAX_VALUE	T1.3.1
EP3.5	Return Result	INVALID_INPUT	T1.3.1
EP3.6		ACCOUNT_NOT_FOUND	T1.3.4
EP3.7		INSUFFICIENT_FUNDS	T1.3.3
EP3.8		SUCCESS	T1.3.2
EP4.1	accountNumber	1..Long.MAX_VALUE	T1.4.1
EP4.2	Return Results	-1	T1.4.1
EP4.3		0..Long.MAX_VALUE	T1.4.2
	Parameter	Boundary Value	Test Case
BVA1.1	initialBalance	Long.MIN_VALUE	T2.1.1
BVA1.2		-1	T2.1.2

BVA1.3		0	T2.1.3
BVA1.4		Long.MAX_VALUE	T2.1.4
BVA1.5	Return Value	INVALID_INPUT	T2.1.1
BVA1.6		SUCCESS	T2.1.3
BVA2.1	Amount	Long.MIN_VALUE	T2.2.1
BVA2.2		0	T2.2.2
BVA2.3		1	T2.2.3
BVA2.4		Long.MAX_VALUE	T2.2.4
BVA2.5	Account Number	1	T2.2.1
BVA2.6		Long.MAX_VALUE	T2.2.2
BVA2.7	Return Value	INVALID_INPUT	T2.2.1
BVA2.8		ACCOUNT_NOT_FOUND	T2.2.3
BVA2.9		SUCCESS	T2.2.2
BVA3.1	Amount	Long.MIN_VALUE	T2.3.1
BVA3.2		0	T2.3.2
BVA3.3		1	T2.3.3
BVA3.4		balance	T2.3.4
BVA3.5		Long.MAX_VALUE	T2.3.5
BVA3.6	Account Number	1	T2.3.1
BVA3.7		Long.MAX_VALUE	T2.3.2
BVA3.8	Return Value	INVALID_INPUT	T2.3.1
BVA3.9		ACCOUNT_NOT_FOUND	T2.3.3
BVA3.10		INSUFFICIENT_FUNDS	T2.3.5
BVA3.11		SUCCESS	T2.3.4
BVA4.1	Account Number	1	T2.4.1

BVA4.2		Long.MAX_VALUE	T2.4.2
BVA4.3	Return Value	-1	T2.4.3
BVA4.4		Int value	T2.4.1

Test Case Table:

ID	TCI Covered	Input		Exp. Results
		initialBalance		
T1.1.1	EP1.1, EP1.3	-400		INVALID_INPUT
T1.1.2	EP1.2, EP1.4	1000		SUCCESS
T1.2.1	EP2.1, EP2.3, EP2.4	account Number	amount	INVALID_INPUT
		1	-400	
T1.2.2	EP2.2, EP2.3, EP2.6	1	5000	SUCCESS
T1.2.3	EP2.6	999	2500	ACCOUNT_NOT_FOUND
T1.3.1	EP3.1, EP3.4, EP3.5	1	-400	INVALID_INPUT
T1.3.2	EP3.2, EP3.4, EP3.8	1	500	ACCOUNT_NOT_FOUND
T1.3.3	EP3.3, EP3.4, EP3.7	1	50000	INSUFFICIENT_FUNDS
T1.3.4	EP3.6	999	2500	ACCOUNT_NOT_FOUND
T1.4.1	EP4.1, EP4.2	AccountNumber		-1
		999		
T1.4.2	EP4.1, EP4.3	1		3500
		Initial Balance		

T2.1.1	BV1.1,1.5	Long.MIN_VALUE		INVALID_INPUT
T2.1.2	BV1.2,1.5	-1		INVALID_INPUT
T2.1.3	BV1.3,1.6	0		SUCCESS
T2.1.4	BV1.4,1.6	Long.MAX_VALUE		SUCCESS
		Account Number	Amount	
T2.2.1	BV2.1,2.5,2.7	1	Long.MIN	INVALID
T2.2.2	BV2.2,2.6,2.9	Long.MAX	0	ACCOUNT_NOT_FOUND
T2.2.3	BV2.10,2.3,2.8	-1	1	ACCOUNT_NOT_FOUND
T2.2.4	BV2.4,2.5,2.9	1	Long.MAX	SUCCESS
T2.3.1	BV3.1,3.6,3.8	1	Long.MIN	INVALID
T2.3.2	BV3.2,3.7,3.11	long.MAX	0	SUCCESS
T2.3.3	BV3.3,3.12,3.9	-1	1	ACCOUNT_NOT_FOUND
T2.3.4	BV3.4,3.6,3.11	3	balance	SUCCESS
T2.3.5	BV3.5,3.6,3.10	1	Long.MAX	INSUFFICIENT_BALANCE
		Account Number		
T2.4.1	BV4.1,4.4	1		INT Value
T2.4.2	BV4.2,4.4	Long.Max		INT Value
T2.4.3	BV4.5,4.3	-1		-1