BankAccount ISP

Method	Params	Returns	Values	Exception	Ch ID	Characteristic	Partition
setName	String				C1	Name set	T, F
setBalance	String				C2	Balance set	T, F
setMinBalance	String				C3	MinBalance set	T, F
getAccNumber		String	String, null		C4	Returns five-character String	T, F
getName		String	String, null		C5	Returns not-null	T, F
getBalance		double	double		C6	Returns double	T, F
getMinBalance		double	double		C7	Returns value >=0	T, F
deposit	double	double	double		C8	Amount > bank account's balance	T, F
withdraw	double	double	double		C9	Amount >= 0	T, F
				MaxBalance	C10	Balance before withdraw is >= after withdraw	T, F
toString		String	String, null		C11	toString printed	T, F

ID	Characteristic	setName	setBalance	setMinBalance	getAccNum	getName
C1	Name set	X				X
C2	Balance set		X			
C3	MinBalance set			X		
C4	Returns five-character String				X	
C5	Returns not-null				X	X

C6	Returns double					
C7	Returns value >=0					
C8	Amount > bank account's balance					
C9	Amount >= 0					
C10	Balance before withdraw is >= after withdraw					
C11	toString printed					

ID	Characteristic	getBalance	getMinBalance	deposit	withdraw	toString
C1	Name set					
C2	Balance set	X				
C3	MinBalance set		X			
C4	Returns five-character String					
C5	Returns not-null					
C6	Returns double	X	X	X	X	
C7	Returns value >=0	X	X	X	X	
C8	Amount > bank account's balance			X	X	
C9	Amount > 0			X	X	
C10	Balance before withdraw is >= after withdraw				X	
C11	toString printed					X

Method	Characteristics	Test Requirements	Infeasible TRs	Revised TRs	Number TRs
setName	C1	T, F			2
setBalance	C2	T, F			2
setMinBalance	C3	T, F			2

getAccNum	C4, C5	TT, TF, FT	TF, FT	TF -> FF	2
getName	C1, C5	TT, TF, FT	TF, FT	TF -> FF	2
getBalance	C2, C6, C7	TTT, TTF, TFT, FTT	TFT		3
getMinBalance	C3, C6, C7	TTT, TTF, TFT, FTT	TFT		3
deposit	C6, C7, C8, C9	TTTT, TTTF, TTFT, TFTT, FTTT	FTTT	FTTT -> TTFF	5
withdraw	C6, C7, C8, C9, C10	TTFTT, TTFTF, TTFFT, TFFTT, FTFTT	TTFTF, TFFTT, FTFTT	TTFTF -> TTFFF, TFFTT -> FFTTF, FTFTT -> FFTFF	5
toString	C11	T, F			2