CSC116: System Test Plan for BankCalculator
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System Test Plan for BankCalculator

The text in bold in the **Description** column represents the test inputs to the program. You can stop program execution by pressing Ctrl+C. You will need to fill in your Actual Results for the given tests and write the six additional tests, including actual results (highlighted in yellow). Be sure to add your name as the author for the tests you write.

Test ID	Description	Expected Results	Actual Results
testMenu	Preconditions: BankCalculator program started	Bank Calculator - Please choose an option.	Bank Calculator - Please choose an option.
Author: Dr. Balik	<ctrl +="" c="" exit="" to=""></ctrl>	L - Loan D - Deposit Q - Quit Option:	L - Loan D - Deposit Q - Quit
testInvalidOptionWithMor eThanOneCharacter	Preconditions: BankCalculator program started	Invalid option	Invalid option
Author: Dr. Balik	Bank Calculator - Please choose an option. L - Loan D - Deposit Q - Quit Option: loan Invalid option <ctrl +="" c="" exit="" to=""></ctrl>	Menu is redisplayed	
testLoanInterest8To9	Preconditions: BankCalculator program started	Monthly Payment	Monthly Payment
Author: Dr. Balik	Bank Calculator - Please choose an option.	Interest 12 mos 24 mos 36 mos 48 mos 60 mos 72 mos 8% 2174.71 1130.68 783.41 610.32 506.91 438.33 9% 2186.29 1142.12 794.99 622.13 518.96 450.64	Interest 12 mos 24 mos 36 mos 48 mos 60 mos 72 mos
	L - Loan D - Deposit Q - Quit Option: L		8% 2174.71 1130.68 783.41 610.32 506.91 438.33 9% 2186.29 1142.12 794.99 622.13 518.96 450.64
	Amount: 25000 Minimum interest rate: 8 Maximum interest rate: 9	Menu is redisplayed	
	<ctrl +="" c="" exit="" to=""></ctrl>		

Test ID	Description	Expected Results	Actual Results
testDepositInterest3Years	Preconditions: BankCalculator program started	Final Amount	Final Amount
5 Author: Dr. Balik	Bank Calculator - Please choose an option. L - Loan D - Deposit Q - Quit	No Monthly Continuous Interest Compounding Compounding 3% 2696.75 2723.99 2724.50	No Monthly Continuous Interest Compounding Compounding 3% 2696.75 2723.99 2724.50
	Option: D Amount: 2345 Years: 5 Minimum interest rate: 3 Maximum interest rate: 3 <ctrl +="" c="" exit="" to=""></ctrl>	Menu is redisplayed	
testLoanInterest1To4	Preconditions: BankCalculator program started		Monthly Payment Interest 12 mer. 24 mer. 26 mer. 40 mer. 60 mer. 72 mer.
Author: Rabin Paudel	Bank Calculator - Please choose an option.	Interest 12 mos 24 mos 36 mos 48 mos 60 mos 72 mos	Interest 12 mos 24 mos 36 mos 48 mos 60 mos 72 mos
	L - Loan D - Deposit Q - Quit	1% 1675.71 842.04 564.16 425.23 341.87 286.31 2 1684.78 850.81 572.85 433.90 350.56 295.01 3 1693.87 859.62 581.62 442.69 359.37 303.87 4 1703.00 868.50 590.48 451.58 368.33	3% 1693.87 859.62 581.62 442.69 359.37 303.87 4% 1703.00 868.50 590.48 451.58 368.33 312.90
	Option: L Amount: 20000 Minimum interest rate: 1 Maximum interest rate: 4	312.90	
	<ctrl +="" c="" exit="" to=""></ctrl>	Menu is redisplayed	
testDepositInterest1Years 5	Preconditions: BankCalculator program started	Final Amount	Final Amount
Author: Rabin Paudel	Bank Calculator - Please choose an option. L - Loan		No Monthly Continuous Interest Compounding Compounding
	D - Deposit Q - Quit	1% 10450.00 10498.69 10499.12 2% 11400.00 11601.39 11603.33	

		3% 12350.00 12818.86 12823.66							
	Option: D	4% 13300.00 14162.91 14172.33	1%	10450.00	10498.69	10499.12			
	Amount: 9500	5% 14250.00 15646.59 15662.85	2%	11400.00	11601.39	11603.33			
	Years: 10		3%	12350.00	12818.86	12823.66			
	Minimum interest rate: 1		4%	13300.00	14162.91	14172.33			
	Maximum interest rate: 5		5%	14250.00	15646.59	15662.85			
	<ctrl +="" c="" exit="" to=""></ctrl>								
	Sur 1 o to care								
testLoanInterest3To8	Bank Calculator - Please choose an option.	Monthly Payment	Monthly	y Payment					
Author: Rabin Paudel	L - Loan	Interest 12 mos 24 mos 36 mos 48 mos 60 mos 72 mos	Interest	12 mos	24 mos	36 mos	48 mos	60 mos	72 mos
	D - Deposit								
	Q - Quit	3% 201.57 102.30 69.21 52.68 42.77 36.16	3%	201.57	102.30	69.21	52.68	42.77	36.16
		4% 202.66 103.35 70.27 53.74 43.83 37.24	4%	202.66	103.35	70.27	53.74	43.83	37.24
	Option: I	5% 203.75 104.41 71.33 54.81 44.91 38.33	5%	203.75	104.41	71.33	54.81	44.91	38.33
	Amount: 2380	6% 204.84 105.48 72.40 55.89 46.01 39.44	6%	204.84	105.48	72.40	55.89	46.01	39.44
	Minimum interest rate: 3	7% 205.93 106.56 73.49 56.99 47.13 40.58	7%	205.93	106.56	73.49	56.99	47.13	40.58
	Maximum interest rate: 8	8% 207.03 107.64 74.58 58.10 48.26 41.73	8%	207.03	107.64	74.58	58.10	48.26	41.73
	Waxiiiaiii iiiceest rate. 5	070 207.03 107.04 74.30 30.10 40.20 41.73	070	201.00	107.04	74.00	30.10	40.20	41.70
testInvalidMethods()	Bank Calculator - Please choose an option.		Invalid v	alue					
Author: Rabin Paudel		Invalid value							
	L - Loan								
	D - Deposit								
	Q - Quit								
	` `								
	Option: L								
	Amount: abc								
	Amount. asc								
testInvalidMethods()	Bank Calculator - Please choose an option.	Invalid value	Invalid v	alue					
Author: Rabin Paudel									
	L - Loan								
	D - Deposit								
	Q - Quit								
	Option: L								
	Amount: 0								
testInvalidMethods()	Bank Calculator - Please choose an option.	Invalid value	Invalid v	alue					
Author: Dahin Daudol									
Author: Rabin Paudel									
Author: Nabili Faudei	L - Loan								
Author: Nabili Faudei	L - Loan D - Deposit Q - Quit								

Option: D	
Amount: 1000	
Years: 5	
Minimum interest rate: 3	
Maximum interest rate: aaa	