Robust Boundary Value Analysis: Student Plan

Seven values per variable: x_{min-1}, x_{min}, x_{min+1}, x_{nom}, x_{max-1}, x_{max}, x_{max+1}

Variables that will be tested within the Withdrawal Functionality:

Note: $1 000 000 is used as a Plan simulation maximum for withdrawal and accountBalance

Case	dailyWithdrawCount	withdrawAmount	dailyTransaction Count	accountBalance	ExpectedOutcome	ActualOutcome
1	x_{min-1} = -1	50	70	4000	Failure	Success
2	x_{min} = 0	50	70	4000	Success	Success
3	x_{min+1} = 1	50	70	4000	Success	Success
4	x_{max-1} = 2999	50	70	4000	Failure	Failure
5	x_{max} = 3000	50	70	4000	Failure	Failure
6	x_{max+1} = 30001	50	70	4000	Failure	Failure
7	x_{nom} = 1450	50	70	4000	Success	Success
8	1450	x_{min-1} = -1	70	4000	Failure	Success
9	1450	x_{min} = 0	70	4000	Success	Success
10	1450	x_{min+1} = 1	70	4000	Success	Success
11	1450	x_{max-1} = 99999	70	4000	Failure	Failure
12	1450	x_{max} = 1000000	70	4000	Failure	Failure
13	1450	x_{max+1} =1000001	70	4000	Failure	Failure
14	1450	50	x_{min-1} = -1	4000	Failure	Success
15	1450	50	x_{min} = 0	4000	Success	Success
16	1450	50	x_{min+1} = 1	4000	Success	Success
17	1450	50	x_{max-1} = 99	4000	Success	Success
18	1450	50	x_{max} = 100	4000	Failure	Failure

19	1450	50	x_{max+1} = 101	4000	Failure	Failure
20	1450	50	70	x_{min-1} = -1	Failure	Failure
21	1450	50	70	x_{min} = 0	Failure	Failure
22	1450	50	70	x_{min+1} = 1	Failure	Failure
23	1450	50	70	x_{max-1} = 99999	Success	Success
24	1450	50	70	x_{max} = 1000000	Success	Success
25	1450	50	70	x_{max+1} = 1000001	Success	Success

Variables that will be tested within the Deposit Functionality:

Case	depositAmount	dailyTransactionCount	ExpectedOutcome	ActualOutcome
1	x_{min-1} = -1	70	Failure	Success
2	x_{min} = 0	70	Success	Success
3	x_{min+1} = 1	70	Success	Success
4	x_{max-1} = 99999	70	Success	Success
5	x_{max} = 1000000	70	Success	Success
6	x_{max+1} = 1000001	70	Success	Success
7	x_{nom} = 570	70	Success	Success
8	400	x_{min-1} = -1	Failure	Success
9	400	x_{min} = 0	Success	Success
10	400	x_{min+1} = 1	Success	Success
11	400	x_{max-1} = 9	Success	Success
12	400	x_{max} = 10	Failure	Failure
13	400	x_{max+1} = 11	Failure	Failure