

Robust Boundary Value Analysis: Kids 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:

Case	dailyWithdrawalCount	withdrawAmount	dailyTransactionCount	accountBalance	Expected Outcome
1	$x_{\min-1} = -1$	$x_{\text{nom}} = 25$	$x_{\text{nom}} = 3$	$x_{\text{nom}} = 532$	Failure
2	$x_{\min} = 0$	25	3	532	Success
3	$x_{\min+1} = 1$	25	3	532	Success
4	$x_{\max-1} = 99$	25	3	532	Failure
5	$x_{\max} = 100$	25	3	532	Failure
6	$x_{\max+1} = 101$	25	3	532	Failure
7	$x_{\text{nom}} = 57$	$x_{\min-1} = -1$	3	532	Failure
8	57	$x_{\min} = 0$	3	532	Failure
9	57	$x_{\min+1} = 1$	3	532	Success
10	57	$x_{\max-1} = 99999$	3	532	Failure
11	57	$x_{\max} = 1000000$	3	532	Failure
12	57	$x_{\max+1} = 1000001$	3	532	Failure
13	57	25	$x_{\min-1} = -1$	532	Failure
14	57	25	$x_{\min} = 0$	532	Success
15	57	25	$x_{\min+1} = 1$	532	Success
16	57	25	$x_{\max-1} = 4$	532	Success
17	57	25	$x_{\max} = 5$	532	Failure
18	57	25	$x_{\max+1} = 6$	532	Failure
19	57	25	3	$x_{\min-1} = -1$	Failure

20	57	25	3	$x_{\min} = 0$	Failure
21	57	25	3	$x_{\min+1} = 1$	Failure
22	57	25	3	$x_{\max-1} = 99999$	Success
23	57	25	3	$x_{\max} = 1000000$	Success
24	57	25	3	$x_{\max+1} = 1000001$	Failure
25	57	25	3	532	Success

Variables that will be tested within the Deposit Functionality:

Case	dailyDepositCount	depositAmount	dailyTransactionCount	accountBalance	Expected Outcome
1	$x_{\min-1} = -1$	$x_{\text{nom}} = 33$	$x_{\text{nom}} = 2$	$x_{\text{nom}} = 237$	Failure
2	$x_{\min} = 0$	33	2	237	Success
3	$x_{\min+1} = 1$	33	2	237	Success
4	$x_{\max-1} = 99$	33	2	237	Failure
5	$x_{\max} = 100$	33	2	237	Failure
6	$x_{\max+1} = 101$	33	2	237	Failure
7	$x_{\text{nom}} = 49$	$x_{\min-1} = -1$	2	237	Failure
8	49	$x_{\min} = 0$	2	237	Failure
9	49	$x_{\min+1} = 1$	2	237	Success
10	49	$x_{\max-1} = 99999$	2	237	Failure
11	49	$x_{\max} = 1000000$	2	237	Failure
12	49	$x_{\max+1} = 1000001$	2	237	Failure
13	49	33	$x_{\min-1} = -1$	237	Failure
14	49	33	$x_{\min} = 0$	237	Success

15	49	33	$x_{\min+1} = 1$	237	Success
16	49	33	$x_{\max-1} = 4$	237	Success
17	49	33	$x_{\max} = 5$	237	Failure
18	49	33	$x_{\max+1} = 6$	237	Failure
19	49	33	2	$x_{\min-1} = -1$	Failure
20	49	33	2	$x_{\min} = 0$	Success
21	49	33	2	$x_{\min+1} = 1$	Success
22	49	33	2	$x_{\max-1} = 99999$	Failure
23	49	33	2	$x_{\max} = 1000000$	Failure
24	49	33	2	$x_{\max+1} = 1000001$	Failure
25	49	33	2	237	Success