

# Black Box Testing

## 1. Calculator for BTO eligibility

### a. Generic cases

Test ID	Scenario	Expected Result	Actual Result
1	Valid inputs are entered for required fields	The system does not display any "please input a valid amount" message Display BTO Calculation info when Calculate is pressed	The system does not display any "please input a valid amount" message Display BTO Calculation info when Calculate is pressed
2	Non-integer and invalid input are entered for required fields	System display "Please input a valid amount" Nothing happens when "Calculate" is pressed	System display "Please input a valid amount" Nothing happens when "Calculate" is pressed
3	String input are entered into required fields	System display "Please input a valid amount" and fields displays default message.	System display "Please input a valid amount" and fields displays default message.

### b. Specific cases (BTO eligibility)

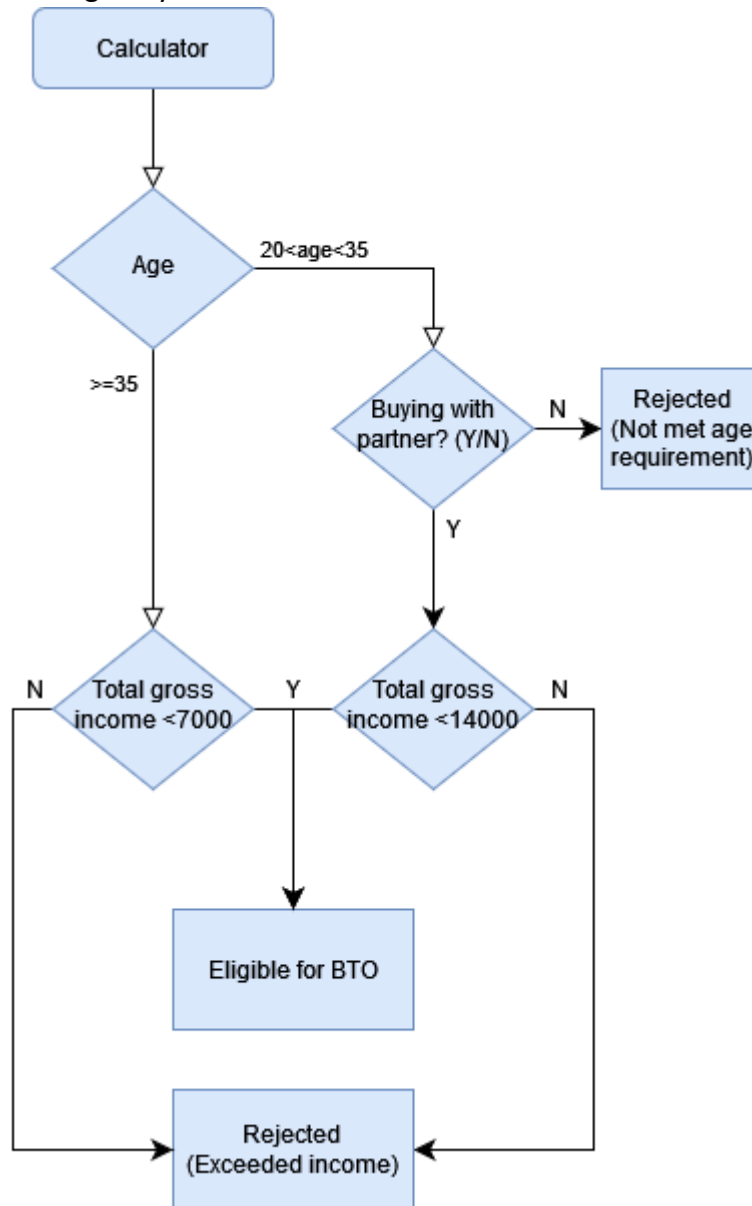
Age	Applying with partner (Y/N)	Combine income	Expected Result	Actual Result
21	N	7000	Ineligible (single below 35 years old)	Ineligible (single below 35 years old)
21	Y	14000	Eligible	Eligible
21	Y	14001	Ineligible(above income limit)	Ineligible(above income limit)
>35 & <100	N	7000	Eligible	Eligible
>35 & <100	N	7001	Ineligible(above income limit)	Ineligible(above income limit)
Empty ("" )	Y	7000	Please input a valid age	Please input a valid age
35	Empty ("" )	7000	'married is required'	'married is required'
35	Y	Empty ("" )	Please input a valid amount	Please input a valid amount

c. Specific cases for Grant display (For eligible only)

Age	Applying with partner (Y/N)	Combine Income	Expected Result (Step-up Grant)	Expected Result (EHG Grant)	Actual Result (Step-up Grant)	Actual Result (EHG Grant)
35	N	750	15000	40000	15000	40000
		1000	15000	37500	15000	37500
		1250	15000	35000	15000	35000
		1500	15000	32500	15000	32500
		1750	15000	30000	15000	30000
		2000	15000	27500	15000	27500
		2250	15000	25000	15000	25000
		2500	15000	22500	15000	22500
		2750	15000	20000	15000	20000
		3000	15000	17500	15000	17500
		3250	15000	15000	15000	15000
		3500	15000	12500	15000	12500
		3750	15000	10000	15000	10000
		4000	15000	7500	15000	7500
		4250	15000	5000	15000	5000
		4500	15000	2500	15000	2500
		4501	15000	0	15000	0
21	Y	1500	15000	80000	15000	80000
		2000	15000	75000	15000	75000
		2500	15000	70000	15000	70000
		3000	15000	65000	15000	65000
		3500	15000	60000	15000	60000
		4000	15000	55000	15000	55000
		4500	15000	50000	15000	50000
		5000	15000	45000	15000	45000
		5500	15000	40000	15000	40000
		6000	15000	35000	15000	35000
		6500	15000	30000	15000	30000
		7000	15000	25000	15000	25000
		7001	0	20000	0	20000
		7500	0	20000	0	20000
		8000	0	15000	0	15000
		8500	0	10000	0	10000
		9000	0	5000	0	5000
		9001	0	0	0	0

# White Box Testing

## 1. BTO eligibility



## 2. Grant amount

