

Jack Dingman
Test Design

TCI	Parameter	Equivalence Partition	Test Case
EP1	AGE	0-12	TC1.1
EP2	AGE	13-64	TC1.2
EP3	AGE	65-Integer.MAX	TC1.3
EP4	AGE	x<0	TC1.4

Age - EP/BVA
2 Point BVA

Test Case ID	TCI Covered	Input: Age	Expected Output
TC1.1	EP1	0	50%
TC1.1	EP1	12	50%
TC1.2	EP2	13	0%
TC1.2	EP2	64	0%
TC1.3	EP3	65	20%
TC1.3	EP3	1000	20%
TC1.4	EP4	-1	Invalid

Nights

Test Case ID	Input	Expected Valid?	Notes
TC2.1	1	TRUE	minimum valid
TC2.2	14	TRUE	maximum valid
TC2.3	0	FALSE	just below minimum
TC2.4	15	FALSE	just above minimum

No need to test, covered in 3.1

Decision Table

Causes	Rule 1	Rule 2	Rule 3	Rule 4
Resident	F	T	F	T
Veteran	F	F	T	T
Effects				
\$10 off	No	Yes	No	Yes
10% off	No	No	Yes	Yes

DT Test Cases

TCIs	Rule	Nights	Guest Age	isArkansasResident	hasVeteranDiscount	Expected	
TC3.1		1	1	50	FALSE	FALSE	50
TC3.2		2	1	50	TRUE	FALSE	40 50-10
TC3.3		3	1	50	FALSE	TRUE	45 50*0.9
TC3.4		4	1	50	TRUE	TRUE	36 (50-10)x0.9