

G5_Crisis_Management_System

Black Box Testing- Tasks Management

Equivalent Class Partitioning:

Validity Check:

Class ID	Input	Output
VE1	Name	Valid and Non-Empty
VE2	Description	Empty or Non-Empty

Invalidity Check:

Class ID	Input	Output
IVE1	Name	Empty

Equivalent Classes:

Class ID	Name	Description	Expected Output
EC1	Invalid(Empty)	Empty	Invalid
EC2	Invalid(Empty)	Non-Empty	Invalid
EC3	Non-Empty	Empty	Valid
EC4	Non-Empty	Non-Empty	Valid

Boundary Value Analysis:

Fields and their Boundaries:

Name:

- Valid(Non-Empty) or Invalid(Empty)
- Min Characters= 1, Maximum Characters = 50
- Test Length = 0(Invalid), 1(Valid), 51(Invalid)

Description:

- Non-Empty or Empty (Both are Valid)
- Min Characters= 0, Maximum Characters = 255
- Test Length =0(Valid), 256(Invalid)

Total Test Cases : $3 \times 2 = 6$

Test Cases:

Test Case ID	Name(length)	Description (length)	Expected Output	Displayed Output
TC1	Empty(0)	a(1)	Invalid Name	Empty Name
TC2	Empty(0)	xxx...(256)	Invalid Name, Description (too long)	Empty Name, Invalid Description
TC3	a(1)	a(1)	Successful (Valid)	Successful
TC4	a(1)	xxx...(256)	Invalid Description (too long)	Invalid Description
TC5	xxx...(51)	a(1)	Invalid Name	Invalid Name
TC6	xxx...(51)	xxx...(256)	Invalid Name (too long), Description (too long)	Invalid Name (too long), Description (too long)