G5_Crisis_Management_System

Black Box Testing - Register

Equivalent Class Partitioning:

Validity Check:

Class ID	Input	Output
VE1	Account Type	Valid account type (Volunteer, Organization)
VE2	Name	Name entered (non-empty, valid characters)
VE3	Email	Valid Email format
VE4	Password	Length ≥ 8
VE5	Confirm Password	Matches the password entered

Invalidity Check:

Class ID	Input	Output
IVE1	Account Type	Invalid account type

		(empty or non-existent option)
IVE2	Name	Empty name or invalid characters
IVE3	Email	Invalid Email format
IVE4	Password	Length < 8
IVE5	Confirm Password	Does Not Match the password entered

Equivalent Classes:

Class ID	Account Type	Name	Email	Password	Confirm Password	Expected Output
EC1	Valid	Invalid	Valid	Valid	Valid	Invalid
EC2	Valid	Invalid	Valid	Valid	Invalid	Invalid
EC3	Valid	Invalid	Valid	Invalid	Valid	Invalid
EC4	Valid	Invalid	Valid	Invalid	Invalid	Invalid
EC5	Valid	Invalid	Invalid	Valid	Valid	Invalid
EC6	Valid	Invalid	Invalid	Valid	Invalid	Invalid
EC7	Valid	Invalid	Invalid	Invalid	Valid	Invalid
EC8	Valid	Invalid	Invalid	Invalid	Invalid	Invalid
EC9	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**
EC10	Valid	Valid	Valid	Valid	Invalid	Invalid
EC11	Valid	Valid	Valid	Invalid	Valid	Invalid

EC12	Valid	Valid	Valid	Invalid	Invalid	Invalid
EC13	Valid	Valid	Invalid	Valid	Valid	Invalid
EC14	Valid	Valid	Invalid	Valid	Invalid	Invalid
EC15	Valid	Valid	Invalid	Invalid	Valid	Invalid
EC16	Valid	Valid	Invalid	Invalid	Valid	Invalid
EC17	Invalid	Invalid	Invalid	Valid	Invalid	Invalid
EC18	Invalid	Invalid	Invalid	Valid	Valid	Invalid
EC19	Invalid	Invalid	Invalid	Invalid	Invalid	Invalid
EC20	Invalid	Invalid	Invalid	Invalid	Valid	Invalid
EC21	Invalid	Invalid	Valid	Valid	Invalid	Invalid
EC22	Invalid	Invalid	Valid	Valid	Valid	Invalid
EC23	Invalid	Invalid	Valid	Invalid	Invalid	Invalid
EC24	Invalid	Invalid	Valid	Invalid	Valid	Invalid
EC25	Invalid	Valid	Invalid	Valid	Invalid	Invalid
EC26	Invalid	Valid	Invalid	Valid	Valid	Invalid
EC27	Invalid	Valid	Invalid	Invalid	Invalid	Invalid
EC28	Invalid	Valid	Invalid	Invalid	Valid	Invalid
EC29	Invalid	Valid	Valid	Valid	Invalid	Invalid
EC30	Invalid	Valid	Valid	Valid	Valid	Invalid
EC31	Invalid	Valid	Valid	Invalid	Invalid	Invalid
EC32	Invalid	Valid	Valid	Invalid	Valid	Invalid

Boundary Value Analysis:

Fields and Their Boundaries

Name

- Minimum length: 1 character
- Test for length = 0,1,2

Password

- Minimum length: 8 characters
- Test for length = 7,8,9

Confirm Password

- Must match the password.

Account Type

- Valid(Chosen) or Invalid(Empty)

Total Test Cases = 3 x 3 x 2 x 2 = 36

Test Cases

Test Case ID	Name	Email	Password	Confirm Password	Account Type	Expected Output	Displayed Output
TC1						Invalid Name, Email, Password, Confirm Password, and Account Type	Invalid Name, Email, Password, Confirm Password, and Account Type
TC2	arun					Invalid Email, Password, Confirm Password, and Account Type	Invalid Email, Password, Confirm Password, and Account Type
TC3		arun@gmail.com				Invalid Name, Password, Confirm Password, and Account Type	Invalid Name, Password, Confirm Password, and Account Type
TC4		arungmailcom				Invalid Name, Password,Email,Confirm Password, and Account Type	Invalid Name, Password,Email,Confirm Password, and Account Type
TC5			abcdef			Invalid Name,Email Confirm Password Missing, and invalid Account Type	Invalid Name,Email Confirm Password Missing, and invalid Account Type

TC	Name	Email	Password	Confirm Password	Account Type	Expected	Actual
TC6			abc			Invalid Name,Email, password too short, Confirm password missing,invalid Account Type	Invalid Name,Email, password too short, Confirm Password Missing,invalid Account Type
TC7				abcdef		Invalid Name,Email, password too short,invalid Account Type	Invalid Name,Email, password too short,invalid Account Type
TC8				abc		Invalid Name,Email, Account type password too short,Invalid Confirm password	Invalid Name,Email, Account type password too short,Invalid Confirm password
TC9					Volunteer	Invalid Name,Email, Password, Confirm password	Invalid Name,Email, Password, Confirm password
TC10		arun@gmail.com	abcdefghi	abcdefghi	Volunteer	Invalid name	Invalid name
TC11	arun	arungmail com	abcdefghi	abcdefghi	Volunteer	Invalid Email	Invalid Email
TC12	arun	arun@gmail.com		abcdef	Volunteer	Invalid password	Invalid password
TC13	arun	arun@gmail.com	abcdefgh		Volunteer	Invalid Confirm password	Invalid Confirm password
TC14	arun	arun@gmail.com	abcdefgh	abcdefgh		Invalid Account type	Invalid Account type
TC15	arun	arun@gmail.com	abcdefghi	abcdefgh	Volunteer	Password Mismatch	Password Mismatch
TC16			abcdefgh	abcdefgh	Volunteer	Invalid	Invalid

						Name,Email	Name,Email
TC17		arun@gmail.com		abcdefgh	Volunteer	Invalid Name, Password	Invalid Name, Password
TC18		arun@gmail.com	abcdef		Volunteer	Invalid Name, Confirm Password	Invalid Name, Confirm Password
TC19		arun@gmail.com	abcdefgh	abcdefgh		Invalid Name, Account type	Invalid Name, Account type
TC20	arun			abcdefgh	Volunteer	Invalid Email, Password	Invalid Email, Password
TC21	arun		abcdefgh		Volunteer	Invalid Email, Confirm Password	Invalid Email, Confirm Password
TC22	arun		abcdefgh	abcdefgh		Invalid Email, Account type	Invalid Email, Account type
TC23		arun@gmail.com			Volunteer	Invalid name, password	Invalid name, password
TC24	arun	arun@gmail.com		abcdefghi		Invalid password, Account type	Invalid password, Account type
TC25	arun	arun@gmail.com	abcdefghi			Invalid Confirm Password, Account Type	Invalid Confirm Password, Account Type
TC26	arun	arun@gmail.com				Invalid Password, Confirm Password, Account Type	Invalid Password, Confirm Password, Account Type
TC27	arun		abcdefghi			Invalid Email, Confirm Password, Account Type	Invalid Email, Confirm Password, Account Type
TC28	arun			abcdefghi		Invalid Email, Password, Account Type	Invalid Email, Password, Account Type

TC29	arun				Volunteer	Invalid Email, Password, Confirm Password	Invalid Email, Password, Confirm Password
TC30		arun@gmail.com	abcdefghi			Invalid name, Confirm Password, Account type	Invalid name, Confirm Password, Account type
TC31		arun@gmail.com		abcdefghi		Invalid name, Password, Account type	Invalid name, Password, Account type
TC32		arun@gmail.com			Volunteer	Invalid name, Password, Confirm Password	Invalid name, Password, Confirm Password
TC33			abcdefgh	abcdefgh		Invalid name, Email,Account Type	Invalid name, Email,Account Type
TC34			abcdefgh		Volunteer	Invalid name, Email,Confirm Password	Invalid name, Email,Confirm Password
TC35				abcdefgh	Volunteer	Invalid name, Email, Password	Invalid name, Email, Password
TC36	**arun**	**arun@gmail.com**	**abcdef**	**abcdefghi**	**Volunteer**	**Valid (Redirect to Home Page)**	**Valid (Redirect to Home Page)**

Volunteer

Equivalent Class Partitioning:

Validity Check:

Class ID	Input	Output
VE1	Organization	Valid(Selected from Drop Down Menu)
VE2	Age	18-75
VE3	Sex	Male,Female,Other
VE4	Skills	Non-Empty Input

Invalidity Check:

Class ID	Input	Output
IVE1	Organization	Invalid(Not Selected)
IVE2	Age	Age<18 or Age>75
IVE3	Sex	Invalid(Not Selected)
IVE4	Skills	Empty

Equivalent Classes:

Class ID	Organization	Age	Sex	Skills	Output
EC1	Invalid	Invalid	Invalid	Invalid	Invalid
EC2	Invalid	Invalid	Invalid	Valid	Invalid
EC3	Invalid	Invalid	Valid	Invalid	Invalid
EC4	Invalid	Invalid	Valid	Valid	Invalid
EC5	Invalid	Valid	Invalid	Invalid	Invalid
EC6	Invalid	Valid	Invalid	Valid	Invalid
EC7	Invalid	Valid	Valid	Invalid	Invalid
EC8	Invalid	Valid	Valid	Valid	Invalid
EC9	Valid	Invalid	Invalid	Invalid	Invalid
EC10	Valid	Invalid	Invalid	Valid	Invalid
EC11	Valid	Invalid	Valid	Invalid	Invalid
EC12	Valid	Invalid	Valid	Valid	Invalid
EC13	Valid	Valid	Invalid	Invalid	Invalid
EC14	Valid	Valid	Invalid	Valid	Invalid
EC15	Valid	Valid	Valid	Invalid	Invalid
EC16	**Valid**	**Valid**	**Valid**	**Valid**	**Valid**

Boundary Value Analysis:

Fields and Their Boundaries:

Organization:
> Valid (Selected) or Invalid (Not Selected).

Age:
> Min=18, Max=75,
> Test for length = 17,35,75

Sex:
> Valid (M/F/O) vs. Invalid (Not Selected).

Skills:
> Non-empty(Valid) vs. Empty(Invalid).

Total Test Cases = 2 x 3 x 2 x 2 = 24

Test Cases

Test Case ID	Organization	Age	Sex	Skills	Expected Output	Displayed Output
TC1	Not Selected	17	Not Selected	Empty	Invalid Organization, Age, Sex, Skills	Organization Not Selected, Invalid Age, Sex, Skills

TC2	Not Selected	17	Not Selected	Non-Empty	Invalid Organization, Age, Sex	Organization Not Selected, Invalid Age, Sex
TC3	Not Selected	17	Selected	Empty	Invalid Organization Age, Skills	Organization Not Selected, Invalid Age, Skills
TC4	Not Selected	17	Selected	Non-Empty	Invalid Organization Age	Organization Not Selected, Invalid Age
TC5	Not Selected	35	Not Selected	Empty	Invalid Organization, Sex, Skills	Organization Not Selected, Invalid Sex, Skills
TC6	Not Selected	35	Not Selected	Non-Empty	Invalid Organization, Sex	Organization Not Selected, Invalid Sex
TC7	Not Selected	35	Selected	Empty	Invalid Organization, Skills	Organization Not Selected, Invalid Skills
TC8	Not Selected	35	Selected	Non-Empty	Invalid Organization	Organization Not Selected,
TC9	Not Selected	76	Not Selected	Empty	Invalid Organization, Age, Sex, Skills	Organization Not Selected, Invalid Age, Sex, Skills
TC10	Not Selected	76	Not Selected	Non-Empty	Invalid Organization, Age, Sex	Organization Not Selected, Invalid Age, Sex
TC11	Not Selected	76	Selected	Empty	Invalid Organization,	Organization Not Selected,

TC					Age, Skills	Invalid Age, Skills
TC12	Not Selected	76	Selected	Non-Empty	Invalid Organization, Age	Organization Not Selected, Invalid Age
TC13	Selected	17	Not Selected	Empty	Invalid Age, Sex, Skills	Invalid Age, Sex, Skills
TC14	Selected	17	Not Selected	Non-Empty	Invalid Age, Sex	Invalid Age, Sex
TC15	Selected	17	Selected	Empty	Invalid Age, Skills	Invalid Age, Skills
TC16	Selected	17	Selected	Non-Empty	Invalid Age	Invalid Age
TC17	Selected	35	Not Selected	Empty	Invalid Sex, Skills	Invalid Sex, Skills
TC18	Selected	35	Not Selected	Non-Empty	Invalid Sex	Invalid Sex
TC19	Selected	35	Selected	Empty	Invalid Skills	Invalid Skills
TC20	**Selected**	**35**	**Selected**	**Non-Empty**	**Successful**	**Redirect to Profile Page**
TC21	Selected	76	Not Selected	Empty	Invalid Age, Sex, Skills	Invalid Age, Sex, Skills
TC22	Selected	76	Not Selected	Non-Empty	Invalid Age, Sex	Invalid Age, Sex
TC23	Selected	76	Selected	Empty	Invalid Age, Skills	Invalid Age, Skills
TC24	Selected	76	Selected	Non-Empty	Invalid Age	Invalid Age

Equivalent Class Partitioning:

Validity Check:

Class ID	Input	Output
VE1	Domain	Non-Empty
VE2	Level	Local, Regional, National, International (Selected)

Invalidity Check:

Class ID	Input	Output
IVE1	Domain	Empty
IVE2	Level	Not Selected from Drop Down Menu

Equivalent Classes:

Class ID	Domain	Level	Output
EC1	Invalid	Invalid	Invalid
EC2	Invalid	Valid	Invalid
EC3	Valid	Invalid	Invalid
EC4	Valid	Valid	Valid

Boundary Value Analysis:

Fields and Their Boundaries:

Domain
   Non-Empty or Empty

Level
   Selected(Local, Regional, National, International) or
   Not Selected

Total Test Cases = 2 x 5 = 10

Test Cases

Test Case ID	Domain	Level	Expected Output	Displayed Output
TC1	Empty	Local (Selected)	Empty Domain	Empty Domain
TC2	Empty	Regional (Selected)	Empty Domain	Empty Domain
TC3	Empty	National (Selected)	Empty Domain	Empty Domain
TC4	Empty	International (Selected)	Empty Domain	Empty Domain
TC5	Empty	Not Selected	Empty Domain, Level Not Selected	Empty Domain, Level Not Selected
TC6	**Non Empty**	**Local (Selected)**	**Successful**	**Redirect to Profile Page**
TC7	**Non Empty**	**Regional (Selected)**	**Successful**	**Redirect to Profile Page**
TC8	**Non Empty**	**National (Selected)**	**Successful**	**Redirect to Profile Page**
TC9	**Non Empty**	**International (Selected)**	**Successful**	**Redirect to Profile Page**
TC10	Non Empty	Not Selected	Level Not Selected	Level Not Selected