Software Testing Using Robustness Testing

❖ Length of String (Name, Username, Password, E-mail)
❖ Number (Age must be 18)

Name (1-30)	Username (1-20)	Password (1-20)	E-mail (1-30)	Age (>=18)
1	8	8	8	20
2	8	8	8	20
0	8	8	8	20
30	8	8	8	20
29	8	8	8	20
31	8	8	8	20
10	8	8	8	20
8	1	8	8	20
8	2	8	8	20
8	0	8	8	20
8	20	8	8	20
8	19	8	8	20
8	21	8	8	20
8	10	8	8	20
8	8	1	8	20
8	8	2	8	20
8	8	0	8	20
8	8	20	8	20
8	8	19	8	20
8	8	21	8	20
8	8	10	8	20
8	8	8	0	20
8	8	8	1	20
8	8	8	2	20
8	8	8	30	20
8	8	8	29	20
8	8	8	31	20
8	8	8	10	20
8	8	8	8	18
8	8	8	8	17
8	8	8	8	19
8	8	8	8	2000
8	8	8	8	1999
8	8	8	8	20001
8	8	8	8	50

Based on the values of the previous table, test cases are designed as given below to test the project:

Test Case ID	Name	User-name	E-mail	Pass-word	Date of Birth	Gender	Expected Result	Test Case Status
01	Aa	abcdef	A4@gd.dsf	Abcdef3@	12/12/1990	Male	*Only letters with space allowed (First letter Capital of names)	Failed
02	Abc De	abcdef	Aa	abcdef	11/10/2000	Female	*E-mail format Invalid *Password must contain 1 capital letter, 1 number and 1 sign	Passed
03	Abc Def	abcde45	Ab@ht.com	Abcdef	11/10/2000	Female	*Username length must be 6 or more	Passed
04	Aaa Bbb	abcdefg	Ab@ht.com	Abcdef	11/10/2000	Other	*Password must contain 1 capital letter, 1 number and 1 sign	Passed
05							*Error message in all fields	Passed

No	Name	Username	Email	Password	DOB	Gender	Expected Result	Status
06	Aaa bb4	abcdef	Ab@ht.com	Abcde#	11/10/2000		*Only letters with space allowed (First letter Capital of names) *Gender is Required *Password must contain 1 capital letter, 1 number and 1 sign	Passed
07	Aaa Bbb	abcdef	Ab@ht com	Abcdef#3		Male	*Enter a Valid E-mail Address *Date of Birth is required	Passed
08	Arandom Casetowrite usernameAAA	ArandomusernameAAAA	ArandomEmail_1234567@gmail.org	ArandomPassword1234#	11/10/2000	Male	Successful signup	Passed
09	Arandom Casetowrite usernameAAAB	ArandomusernameAAAAB	ArandomEmail_1234567@gmail.orgB	ArandomPassword1234#B	11/10/0021	Male	*Name must be within length 30 *Username must be within length 20 *E-mail must be within length 20 *Password must be within length 30 *Age shouldn't be more than 130	Failed

10	Arand om Caset owrite userna meAA	Aran domu serna meA AAA	Arando mEmail _12345 6@gma il.org	Aran domP assw ord12 3#	12/12/ 2002	Female	Successful signup	Passed
11	Arand om Name	Usern ame	email@ gmail.c om	abcA B1#	12/12/ 2003	Female	*Age must be more than 18	Passed
12	Arand om Name	Usern ame	email@ gmail.c om	abcA B1#	12/12/ 2002	Female	*Try a Different Username	Failed

Here,

For Test Case ID - 01 and 12: as per the requirements, the form has to show the expected error message output based on the given inputs but instead of that it signed up successfully so these 2 test cases have been failed with error (as there were error message checking code in assert).

For Test Case ID - 09: as per the requirements, the form has to show the expected error message output, when the inputs cross the maximum length but instead of that it signed up successfully so the test case have been failed with error (as there were error message checking code in assert).