

Appendix

Here in this section is practical work of the thesis methodology about the thesis. Thesis methodology how work in real way it is show by this section of thesis. Here we will see by sample of small requirement and how its work by follow software testing test design technique and also documentation. (It is just an example)

Requirement:

Test subject: web site 'triangle'.

UI Description.

- 3 fields to enter length of triangle side.
- Entered length should be in centimeters.
- Points between values will be taken as invalid only for field 1 and 2, for filed three will be taken as valid.
- Maximum input for all fields is 4 digits.
- A button that should be active only if all fields are filled in. Click action should trigger creation of picture of triangle using entered length side by user.
- Non editable field where a picture of triangle is displayed

As per given requirement we will create test case and also show a bug report about it. It is not real application. It is just assumed. Test case are as per below.

Test case template for web site “triangle”

Test case ID: 01

Test Designed by: Ankit Vaniya

Test title: valid input for all fields

Test Designed date: 18.07.2017

Pre-condition: website “triangle” launched

Dependencies:

step	Test steps	Test data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Enter length in filed 1	1	1 should be display in filed 1			
2	Enter length in filed 2	1	1 should be display in filed 2			
3	Enter length in filed 3	1.41	1.41 should be display in field 3			
4	Check the button		Button is activated			
5	Click action on button		Picture of triangle is created in field 4			

Test case ID: 02

Test Designed by: Ankit Vaniya

Test title: null input for field1 and valid input for fields 2 and 3 **Test Designed date:** 18.07.2017

Pre-condition: website “triangle” launched

Dependencies:

step	Test steps	Test data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Enter length in filed 1	Null	Nothing should be display in filed 1 and highlighted with red color			
2	Enter length in filed 2	5	5 should be display in filed 2			

3	Enter length in filed 3	5	5 should be display in field 3			
4	Check the button		Button is not activated			
5	Click action on button is unable		Field 4 is empty			

Test case ID: 03

Test Designed by: Ankit Vaniya

Test title: null input for field 2 and valid input for all fields 1 and 3 **Test Designed date:** 18.07.2017

Pre-condition: website “triangle” launched

Dependencies:

step	Test steps	Test data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Enter length in filed 1	5	5 should be display in filed 1			
2	Enter length in filed 2		Nothing should be display in filed 2 and highlighted with red color			
3	Enter length in filed 3	5	5 should be display in field 3			
4	Check the button		Button is not activated			
5	Click action on button is unable		Field 4 is empty			

Test case ID: 04

Test Designed by: Ankit Vaniya

Test title: null input for field 3 and valid input for all fields 1 and 2 **Test Designed date:** 18.07.2017

Pre-condition: website “triangle” launched

Dependencies:

step	Test steps	Test data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Enter length in filed 1	5	5 should be display in filed 1			
2	Enter length in filed 2	5	5 should be display in filed 2			
3	Enter length in filed 3	null	Nothing should be display in filed 3 and highlighted with red color			
4	Check the button		Button is not activated			
5	Click action on button is unable		Field 4 is empty			

Test case ID: 05

Test Designed by: Ankit Vaniya

Test title: null input for all fields

Test Designed date: 18.07.2017

Pre-condition: website “triangle” launched

Dependencies:

step	Test steps	Test data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Enter length in filed 1	null	Nothing should be display in filed 1			
2	Enter length in filed 2	null	Nothing should be display in filed 2			
3	Enter length in filed 3	null	Nothing should be display in filed 3			
4	Check the button		Button is not activated			

5	Click action on button is unable		Field 4 is empty			
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Test case ID: 06

Test Designed by: Ankit Vaniya

Test title: null input for field 1 and 2 valid input for all fields 3 **Test Designed date:** 18.07.2017

Pre-condition: website “triangle” launched

Dependencies:

step	Test steps	Test data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Enter length in filed 1	null	Nothing should be display in filed 3 and highlighted with red color			
2	Enter length in filed 2	null	Nothing should be display in filed 3 and highlighted with red color			
3	Enter length in filed 3	5	5 should be display in filed 3			
4	Check the button		Button is not activated			
5	Click action on button is unable		Field 4 is empty			

Test case ID: 07

Test Designed by: Ankit Vaniya

Test title: null input for field 3 and 2 valid input for all fields 1 **Test Designed date:** 18.07.2017

Pre-condition: website “triangle” launched

Dependencies:

step	Test steps	Test data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Enter length in filed 1	5	5 should be display in filed 3			
2	Enter length in filed 2	null				
3	Enter length in filed 3	null	Nothing should be display in filed 3 and highlighted with red color			
4	Check the button		Button is not activated			
5	Click action on button is unable		Field 4 is empty			

Test case ID: 08

Test Designed by: Ankit Vaniya

Test title: null input for field 3 and 1 valid input for all fields Test 2 **Designed date:** 18.07.2017

Pre-condition: website “triangle” launched

Dependencies:

step	Test steps	Test data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Enter length in filed 1	null	5 should be display in filed 3			
2	Enter length in filed 2	5				
3	Enter length in filed 3	null	Nothing should be display in filed 3 and highlighted with red color			
4	Check the button		Button is not activated			

5	Click action on button is unable		Field 4 is empty			
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Test case ID: 09

Test Designed by: Ankit Vaniya

Test title: minimum valid input for all fields

Test Designed date: 18.07.2017

Pre-condition: website “triangle” launched

Dependencies:

step	Test steps	Test data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Enter length in filed 1	1	1 should be display in filed 1			
2	Enter length in filed 2	1	1 should be display in filed 2			
3	Enter length in filed 3	1.41	1.41 should be display in filed 3			
4	Check the button		Button is activated			
5	Click action on button		Picture of triangle is created in field 4			

Test case ID: 10

Test Designed by: Ankit Vaniya

Test title: minimum valid input for all fields

Test Designed date: 18.07.2017

Pre-condition: website “triangle” launched

Dependencies:

step	Test steps	Test data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Enter length in filed 1	1	1 should be display in filed 1			
2	Enter length in filed 2	1	1 should be display in filed 2			
3	Enter length in filed 3	2	Nothing should be display in filed 2			
4	Check the button		Button is not activated			
5	Click action on button is dis able		Field 4 is empty			

Test case ID: 11

Test Designed by: Ankit Vaniya

Test title: invalid input for all field 1, value with minus sigh in filed 2 and character input for field 3

Pre-condition: website “triangle” launched

Test Designed date: 18.07.2017

Dependencies:

step	Test steps	Test data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Enter length in filed 1	0	Nothing should be display in filed 1 and highlighted with red color			
2	Enter length in filed 2	-10	Nothing should be display in filed 2 and highlighted with red color			
3	Enter length in filed 3	Chr22	Nothing should be display in filed 3 and highlighted with red color			
4	Check the button		Button is not activated			
5	Click action on button		field 4 is empty			

Test case ID: 12

Test Designed by: Ankit Vaniya

Test title: invalid input for all field 2, value with minus sign in filed 3 and character input for field 1

Test Designed date: 18.07.2017

Pre-condition: website “triangle” launched

Dependencies:

step	Test steps	Test data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Enter length in filed 1	Hdfsh25	Nothing should be display in filed 1 and highlighted with red color			
2	Enter length in filed 2	0	Nothing should be display in filed 2 and			

			highlighted with red color			
3	Enter length in filed 3	-10	Nothing should be display in filed 3 and highlighted with red color			
4	Check the button		Button is not activated			
5	Click action on button		field 4 is empty			

Test case ID: 13

Test Designed by: Ankit Vaniya

Test title: invalid input for all field 3, value with minus sigh in filed 1 and character input for field 2

Test Designed date: 18.07.2017

Pre-condition: website “triangle” launched

Dependencies:

step	Test steps	Test data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Enter length in filed 1	-121	Nothing should be display in filed 3 and highlighted with red color			
2	Enter length in filed 2	Gdsag21	Nothing should be display in filed 3 and highlighted with red color			
3	Enter length in filed 3	0	Nothing should be display in filed 3 and highlighted with red color			
4	Check the button		Button is not activated			
5	Click action on button		field 4 is empty			

Test case ID: 14

Test Designed by: Ankit Vaniya

Test title: maximum valid input for all fields

Test Designed date: 18.07.2017

Pre-condition: website “triangle” launched

Dependencies:

step	Test steps	Test data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Enter length in filed 1	999	999 should be display in filed 1			
2	Enter length in filed 2	999	999 should be display in filed 2			
3	Enter length in filed 3	999	999 should be display in field 3			
4	Check the button		Button is activated			
5	Click action on button		Picture of triangle is created in field 4			

Test case ID: 15

Test Designed by: Ankit Vaniya

Test title: validation of element availability on screen

Test Designed date: 18.07.2017

Pre-condition: website “triangle” launched

Dependencies:

step	Test steps	Test data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Verify that field 1 on screen on first position		Filed one is on first position			
2	Verify that field 2 on screen on first position		Filed two is on first position			

3	Verify that field 3 on third on first position		Filed three is on first position			
4	Check the button		Button should be unable to click			
5	Verify that filed 4 is on last position		Filed for should be empty			

Test case ID: 16

Test Designed by: Ankit Vaniya

Test title: verification of OS

Test Designed date: 18.07.2017

Pre-condition: website “triangle” launched

Dependencies:

Test case no.	Google chrome	Safari	Mozilla Firefox	Opera
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				

Test case ID: 17

Test Designed by: Ankit Vaniya

Test title: input values with points for all fields

Test Designed date: 18.07.2017

Pre-condition: website “triangle” launched

Dependencies:

step	Test steps	Test data	Expected Result	Actual Result	Status (Pass/Fail)	Notes
1	Enter length in filed 1	1.2	Nothing should be display in filed 1			
2	Enter length in filed 2	1.5	Nothing should be display in filed 2			
3	Enter length in filed 3	1.41	1.41 should be display in filed 3			
4	Check the button		Button is not activated			
5	Click action on button is unable		Filed 3 is empty			

Sample Bug report for website “triangle”

Bug Name: In website ‘triangle’ after filling length in all three field button is not going activated.

Bug ID: test case 01

Area Path:

Build Number: 01

Severity: high

Priority: high

Assigned to: Mariana

Reported By: Ankit Vaniya

Reported On: 02.08.2018

Reason: defect

Status: new

Environment: windows 10

Description: unable to create triangle when clicking on button.

Steps To Reproduce:

- 1) Launch the website “triangle”
- 2) Enter length in filed 1, 2 and 3.
- 3) Check if button is active.

Expected result: button should be activated after clicking the button picture of triangle should be create in filed 4.

Actual result: button is not activated after felling valid inputs.