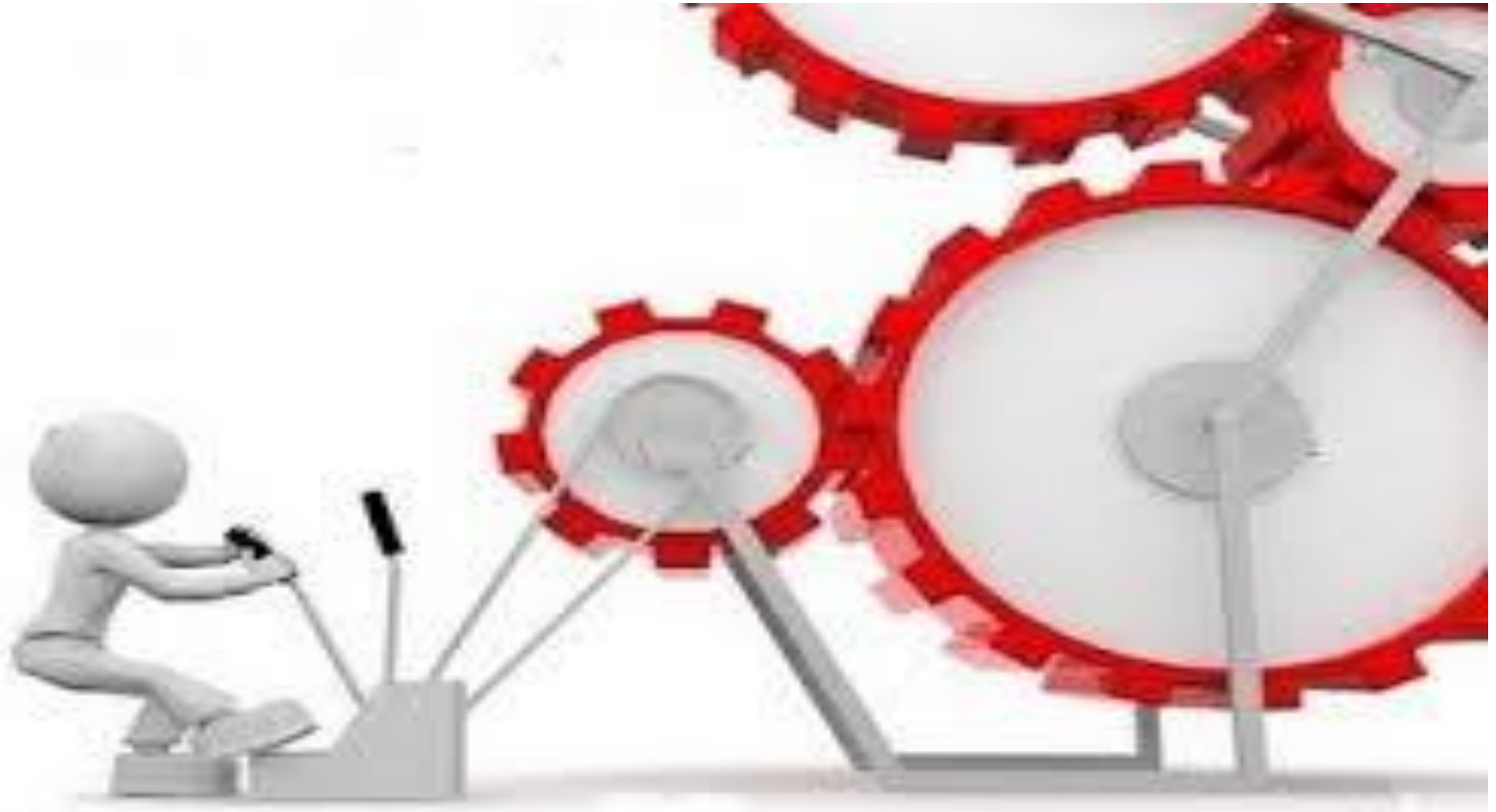




Test Data, Environments & Execution



Srivalli Kolli

Objective

- Overview on importance of Test Data and generation
- Overview on different testing environments
- Test cases execution instructions
- Execution in Test Management Tool - **TestLink**

Test Data

What is test data?

Test data is the data which is identified to test the software. It ensures complete testing coverage, thereby improving the quality.

Test Data Criteria

- No data
- Valid data
- Invalid data
- Illegal data format
- Boundary Condition Data set
- Equivalence Partition Data Set
- Decision Table Data Set

Test Environments

What is Test Environment?

A testing environment is a setup of software and hardware on which the testing team is going to perform the testing.

Test Environments



Hardware



Software



Network

Test Execution

Template - Test Cases

	A	B	C	D	E	F	G	H
1	Test Cases						Home page	
2								
3	Project Name:							
4	Function:							
5	Version:							
6								
7								
8								
9	Functionality Name	Test Case ID	Data Driven Test?	Test Case Title	Test Steps	Expected result	Reviewed Yes/No	
10								
11			No				No	
12			No				No	
13			No				No	
14			No				No	
15			No				No	
16			No				No	
17								

Template - Test results by Module

Module 1 - Test cases/Results						Home page			
		Environment		iPhone 6(iOS)	Samsung Galaxy				
Project Name:		Pass			12				
Function:		Fail			0				
Version:		Untested			36				
		NA			0				
		Total test case			48				
Funtionality Name	Test Case ID	Data Driven Test?	Test Case Title	Test Steps	Expected result	Test Results			
						Windows 10 + Chrome (Version 53.0.2785.116 m)	Mac OS X El Capitan 10.11.6 + Safari (Version 9.1.2)	iPhone 6S(iOS 9.3.2)+ Safari	Samsung Galaxy Tab 2 (Android 4.2.1) + Opera
Func 1	TC_BG_001	Yes							
		No							
		Yes							
		No							
		No							
		No							

Template - Test data for test cases

	A	B	C	D	E	F	G	H
1		Test Data						Home page
2								
3	Test Case ID	Search Criteria						
4		<field 1>	<field 2>	<field 1>	<field 2>	<field 1>	<field 2>	<field 1>
5	TC_AA_FH_001							
6	TC_AA_FH_002							
7	TC_AA_FH_003							
8	TC_AA_FH_004							
9	TC_AA_FH_005							
10	TC_AA_FH_006							
11	TC_AA_FH_007							
12	TC_AA_FH_008							
13	TC_AA_FH_009							
14	TC_AA_FH_010							
15	TC_AA_FH_011							
16	TC_AA_FH_012							
17	TC_AA_FH_013							
18	TC_AA_FH_014							
19	TC_AA_FH_015							
20	TC AA FH 016							

Template - Test results summary

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1														
2	ZENQ	Test Results - <Application>												
3														
4	Project Name:													
5	Version:													
6	Date:													
7														
8	Environment			Windows 10 + Chrome (Version 53.0.2785.116 m)										
9	S. No	Sheet Name	Function Name	Passed	Failed	Untested	N/A	Total testcases						
10	1	Module 1	Module 1	40	0	8	0	48						
11	2	Module 2	Module 2	36	4	8	0	48						
12	3	Module 3	Module 3	23	18	7	0	48						
13	4	Module 4	Module 4	10	0	38	0	48						
14	Total testcases			109	22	61	0	192						
15														
16														
17	Environment			Mac OS X El Capitan 10.11.6 + Safari (Version 9.1.2)										
18	S. No	Sheet Name	Function Name	Passed	Failed	Untested	N/A	Total testcases						
19	1	Module 1	Module 1	40	0	8	0	48						
20	2	Module 2	Module 2	40	0	8	0	48						
21	3	Module 3	Module 3	15	0	0	0	15						
22	4	Module 4	Module 4	15	0	0	0	15						
23	Total testcases			110	0	16	0	126						
24														

Test case - status by Module

Module	Passed	Failed	Untested	N/A
Module 1	40	0	8	0
Module 2	36	4	8	0
Module 3	23	18	7	0
Module 4	10	0	38	0

Test case - status by Module

Module	Passed	Failed	Untested	N/A
Module 1	40	0	8	0
Module 2	40	0	8	0
Module 3	15	0	0	0
Module 4	15	0	0	0

Test Execution using Test Link

<http://apps.zenq.com:8081/testlink>

Q & A

Thank You!



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