

MINDTECK TEST SUMMARY REPORT

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CONFIRMATION OF ACKNOWLEDGEMENT

This document has been reviewed, verified and approved by the Censof as follows:

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APPENDICES

This section specifies the documents which are related to testing reports and the test cases.

➤ **WSDL_Functional/Integration_TestCases_V1.0**



WSDL_Functional_Integration_TestCases_V1.0.xlsx (Command Line)

➤ **WSDL_Sanity/Smoke_TestCases_V1.0**



WSDL_Sanity_Smoke_TestCases_V1.0.xlsx

➤ **WSDL_Regression_TestCases_V1.0**



WSDL_Regression_TestCases_V1.0.xlsx

ALL relevant test reports are enclosed in Test summary.

1 PROJECT OBJECTIVES

PURPOSE

This document explains the various activities performed as part of testing of 'web service generator and deployment tool' application

SCOPE

This document will specify the overall test release performed as a part of this phase release.

It provides detailed system level test strategy followed in this release. It also provides detailed test summary report of all the different testing phases – Smoke/Sanity, Functional/Integration, Regression testing done during this phase1.

DOCUMENT ORGANISATION

This report is organised in accordance to the layout as stated in Table 1.

NO.	SECTION	DESCRIPTION
1	Project Objectives	About the project scope – Purpose
2	System level testing project	Includes System level testing Strategy which covers the test objectives, Features, Configuration
3	Testing Summary	Detailed test summary of Smoke /Sanity, Functional/Integration, Regression tests
4	Test Release Conclusion	Evaluation based testing of Phase1 is completed. The SW of Phase1 is handed over to Censof for UAT.

ACRONYMS AND DEFINITIONS

Table 2 lists all acronyms used in this document.

NO.	ACRONYMS / TERMS	DEFINITIONS
1	UAT	User Acceptance Testing
2	SRS	Software Requirement Specifications
3	OSGI	Open Service Gateway Initiative
4	XML	Extensible Mark-up Language
5	TestNG	Test Next Generation
6	WSGD	Web Service Generator and Deployment Tool
7	WSDL	Web Service Definition Language
8	WADL	Web Application Definition Language
9	SVN	SubVersion
10	REST	Representational State Transfer
11	SOAP	Simple Object Access Protocol

REFERENCE

The Section will contain the documents about the references to write and Execute the Testcases. Below are the documents and the versions of the references.

1. **SRS – Software Requirement Specification:** WebService Generator and Deployment Tool_SRS_V11.doc
2. **Project Plan and Estimation:** Test plan_Web_Services_Generator_Tool-V1.0.4.doc
3. **Design Document:** Webservice Generator And Deployment Tool_Sdd_V2

STANDARDS

The final test team of Mindteck has followed the below test strategy during project phase.

Smoke testing – Initial sanity test for the Application under test to ensure the beginning of test execution. These tests include test coverage of high priority requirements. These tests include basic functionality testing.

Functional/Integration Testing: Functional testing is a method by which a functionality is tested by test team member to ascertain, if the functionality is working fine or not.

Final release regression testing – A complete test suite covering end to end testing of Application under test. These tests cover almost all kind of testing such as: GUI, functional, performance etc. All kind of testing is performed to ensure the AUT is meeting the requirement.

2 SYSTEM LEVEL TESTING STRATEGY

INTRODUCTION

The document describes the testing Phase 1 modules and this document contains test reports of all the phases as mentioned below

- Sanity/Smoke testing
- Functional/Integration Testing
- Regression Testing

FEATURES

The functionalities are explained by the eight use cases in table 4 below. The use cases describe what each functionality does. Specific Test Cases as per the SRS are tracked in the RTM document

TestCase ID	Functionality	Feature
ATC-043 To ATC-105, ATC-107	User can create the web service (SOAP/REST) by providing the required data like Project name select the required dependencies, package name, type of web service (SOAP/REST) Method Name with request parameter data source details and response parameter, deployment server IP and port number after these data entered user will compile the generated source code and generate the SonarQube report for code quality analysis. The user will pass the required request parameters to test the generated source code using the TestNG framework. After completion of this process bundle file will be created for deployment.	Creating Web services
ATC-106	The user can download the generated bundle file.	Download Bundle File

ATC-109 To ATC-111	The user will upload the template required for generating the source code and can delete the template which is not required.	Add and Delete Template
ATC-019 To ATC-024	Admin user will be able to add delete the users, the General user can only view the list of users present.	Add Edit and Delete User based on Role
ATC-016 To ATC-018	The user can change their passwords.	Change Password

SYSTEM CONFIGURATION

2.3.1 Hardware Specifications

Operating System	RAM	Processor	Hard Disk
Windows/Linux	Minimum 8GB	Core i5	256 GB or larger

SOFTWARE VERSION

Following are the software versions used in Phase1.

No.	Component	Software Version
1	Java	Version 8
2	Apache Maven	Version 3.5.3
3	PostgreSQL	Version 10.3
7	JBoss Fuse	Red hat 6.3.0-187

8	Eclipse	Juno 3.8 Version
9	Apache tomcat	7.0.37 Version

SQA PARTICIPANTS

Table 8 lists the participants involved in the testing with the corresponding modules.

No	Name	Role	
1	Govardhan	SQA Engineer	Testcase design and Test execution

TEST ENVIRONMENT

Details of the server specifications shown in below:

No.	Instance Name	Test phase	Operating System	CPU (bit)	CPU	RAM	HDD
1	Test Server	Smoke/Functional	Ubuntu	64-Bit	Intel Core i5-3460	8GB	500GB
2	Development environment	Smoke/Integration/Regression	Windows 7	64-Bit	Intel Core i5-3460	8GB	500GB

3 TESTING SUMMARY

Following section contains the Functional/Integration, Smoke/Sanity and Regression test reports

Sanity/Smoke Test Reports:

Test Case Document: WSDL_Sanity_Smoke_TestCases_V1.0

Test Execution Report in sanity test Cycles

Cycle 1			
Executed Date	Testcases Executed	Passed	Failed
4/10/2018	13	13	0

Cycle 2			
Executed Date	Testcases Executed	Passed	Failed
7/27/2018	13	13	0

Cycle 3			
Executed Date	Testcases Executed	Passed	Failed
8/28/2018	13	13	0

Functional/Integration Testcases

This section provide the details on Functional / Integration test.

Test Case Document: WSDL_Functional/Integration_TestCases_V1.0

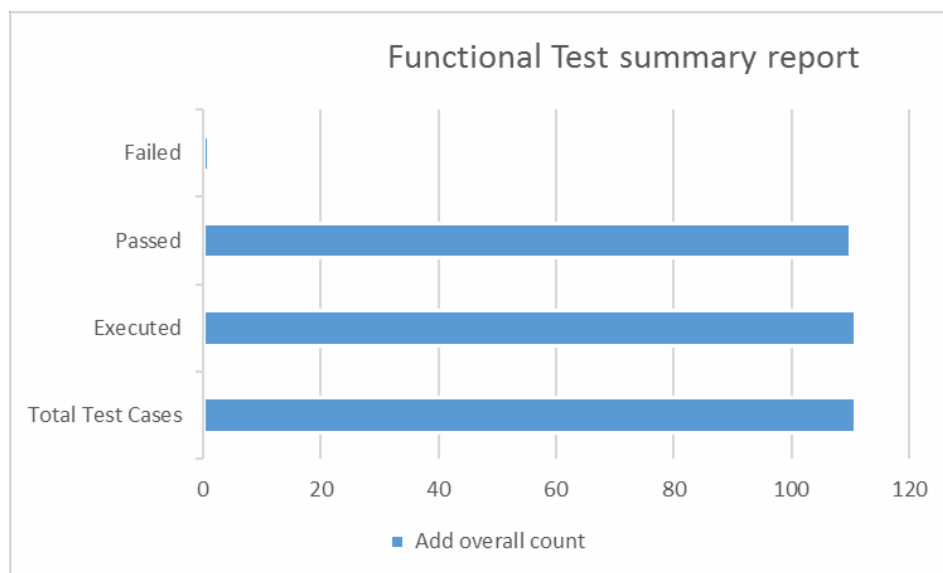
Test Execution Report in Functional/Integration test Cycle

Test Execution status of Funcional/Integration test cases

Executed Date	Total Test Cases	Test cases Executed	Passes	Failed
8/28/2018	111	111	110	1

Test Report Based on Module

Module	Total Test Cases	Executed	Passed	Failed
Login	7	7	7	0
Forgot Password	8	8	8	0
Change Password	3	3	3	0
User Management	11	11	11	0
WS Generation Process	80	80	79	1
Template Management	2	2	2	0
Total Test cases	111	111	110	1



Note: - The existing open issue is revalidated in Regression.
Any open issue from final build test – Regression is published and carried over to Phase2.

Regression

This section provides the details on Regression test

Test Case Document: WSDL_Regression_TestCases_V1.0

Test Execution Report in Different Cycles

Cycle 1			
Executed Date	Testcases Executed	Passed	Failed
4/10/2018	73	65	8

Cycle 2			
Executed Date	Testcases Executed	Passed	Failed
7/27/2018	73	67	6

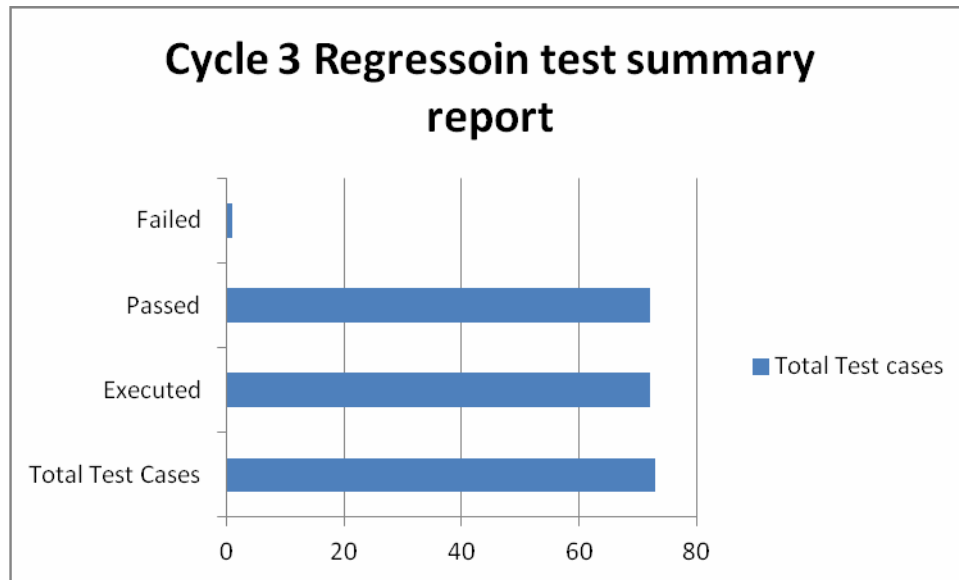
Cycle 3			
Executed Date	Testcases Executed	Passed	Failed
8/28/2018	73	72	1

Test Report Based on Module on Cycle 3

Module	Total Test Cases	Executed	Passed	Failed
Menu Navigation	5	5	5	0
WS General Information	25	25	25	0
Method - Add Request Parameter	2	2	2	0
Data Source	11	10	10	1
Method General Info Page - Response parameter	14	14	14	0
Property File Generator	2	2	2	0
Code Compiler	3	3	3	0
SonarQube	3	3	3	0
Wizard Running Automation TestNG	4	4	4	0
Download bundle file	1	1	1	0
Wizard Bundle Creation	3	3	3	0
Total Test cases	73	72	72	1

Open Issue Summary:

S. No	Issue Description	Status	Description
1	Not able to connect to Oracle data base	Open and Transferred to Phase 2	This feature belongs to Phase 2 will be delivered with Phase 2



4 TEST RELEASE CONCLUSION

The evolution based testing have been successfully accomplished by Mindteck Tester. One Test Engineer has completed the Tests. The overall rating of the Test cases is >95%. The Test Engineer is aware of all the functionalities of the Web Service Generator and Deployment Tool. Each and every single test case has been analyzed and placed in context.

From Mindteck, the testing has been completed for the Phase-I for release for the Web Service Generator and Deployment Tool.