

MINDTECK TEST SUMMARY REPORT

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CONFIRMATION OF ACKNOWLEDGEMENT

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

Reviewed :

Name :

Designation :

Date :

Approved:

CONFIRMATION OF ACKNOWLEDGEMENT

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

Prepared by:

Name : Goverdhan N.

Designation : Software Tester

Date : 15-10-2018

Reviewed by:

Name : Sumanashree. BK , Saurabh Bagchi

Designation : Project Manager [Testing], Associate Project Manager

Date : 16-10-2018

:

Document Revision History

Prepared by: Version	Date	Comment	Author
1.0	28-09-2018	Added open issue list of Phase1	Goverdhan.N
2.0	15-10-2018	Updated Test report with Phase2 deliverable	Goverdhan.N

Reviewed by:

Version	Date	Comment	Reviewer Name
1.0	27-09-2019	Verified Test report	Saurabh/Sumanashree. BK
2.0	15-10-2018	Verified Test report	Saurabh/Sumanashree. BK

Approval and Distribution List:

No.	Name	Designation / Unit	Organisation
1.0	Karthik Muthuswami		Century Software
2.0	Karthik Muthuswami		Century Software

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APPENDICES

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

➤ **WSDL_Functional_Integration_TestCases_V2.0.xlsx**



WSDL_Functional_In
tegration_TestCases_



WSGDT_DEFECT_RE
PORT_PHASE2.xls

➤ **WSDL_Sanity_Smoke_TestCases_Phase_2_V2.0.xlsx**



WSDL_Sanity_Smoke
_TestCases_Phase_2

➤ **WSDL_Regression_TestCases_Phase-1 RegressionV1.0.xlsx**



WSDL_Regression_T
estCases_Phase-1 Re

ALL relevant test reports are enclosed in Test summary.

1 PROJECT OBJECTIVES

1.1 PURPOSE

This document explains the various activities performed as part of testing of 'web service generator and deployment tool' application for Phase 2

1.2 SCOPE

This document will specify the overall test release performed as a part of phase 2 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 of Phase1 done during this phase2.

1.3 DOCUMENT ORGANISATION

This report is organized in accordance to the layout as stated in below table.

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 Phase2 is completed. The SW of Phase2 is handed over to Censof for UAT.

1.4 ACRONYMS AND DEFINITIONS

In this section below table contain 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	Sub Version
10	REST	Representational State Transfer
11	SOAP	Simple Object Access Protocol

1.5 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:** Web Service Generator and Deployment Tool_SRS_V2_20181011.doc
2. **Project Plan and Estimation:** Test plan_Web_Services_Generator_Tool-V1.0.4.doc
3. **Design Document:** Web Service Generator and Deployment Tool_SDD_V2_20181011

1.6 STANDARDS

The final test team of Mindteck has followed the below test strategy during project phase 2.

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. The defect validation is done as part of functional test.

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

2.1 INTRODUCTION

The document describes the testing Phase 2 modules and this document contains test reports of all the phases as mentioned below

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

2.2 FEATURES

The functionalities are explained by the eight use cases in table 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-001 to ATC-010	User can create Restful/SOAP web service using MySql data base and can deploy generated service in Jboss server	Connect MySql Database and Create Restful and SOAP web service
ATC-011 to ATC-020	User can create Restful/SOAP web service using MSSql data base and can deploy generated service in Jboss server	Connect MSSql Database and Create Restful and SOAP web service
ATC-021 to ATC-027	User can create Restful/SOAP web service using Oracle data base and can deploy generated service in Jboss server	Connect Oracle Database and Create Restful and SOAP web service
ATC-028	User can create SOAP web service using Oracle data base and can deploy generated service in Jboss server	Create SOAP web service using Postgres sql database
ATC-029-ATC-044	User can generate the web service with other web service as data source and can be deployed in Jboss server	Generate REST or SOAP web service using other web service generated by the tool

ATC-045 ATC-046	Using the feature user can commit the generated code into SVN by providing the path and valid SVN login details	Automated Version control and backup
ATC-047- ATC-051	User can Add dependency and validate the dependency from WS general info page. Dependency can be edited and removed from the list with this feature	Dependency Management
ATC-052- ATC-058	If user suddenly logged out while creating the web service this feature helps to save in back end. When user is logging in next time feature will provide the option to continue creating the project	Resume User Activity

2.3 SYSTEM CONFIGURATION

2.3.1 Hardware Specifications

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

2.4 SOFTWARE VERSION

Following are the software versions used in Phase 2.

No.	Component	Software Version
1	Java	Version 8
2	Apache Maven	Version 3.5.3
3	Postgres SQL	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
10	MySql	Version 5.7.21
11	Oracle	Version Oracle 12 Release 2: 12.2.0.1
12	MSSql	Version SQL Server 2017 14.0
13	SonarCube	Version LTS 6.7
14	Jenkins	Version 2.107.1

2.5 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

2.6 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

3.1 SANITY / SMOKE TEST REPORT:

Test Case Document: WSDL_Sanity_Smoke_TestCases_V2.0

Test Execution Report in Different Cycles

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

Cycle 2			
Executed Date	Testcases Executed	Passed	Failed
3/10/2018	13	13	0

3.2 FUNCTIONAL / INTEGRATION TEST REPORT

This section provides the details on Functional / Integration test.

Test Case Document: WSDL_Functional/Integration_TestCases_V2.0

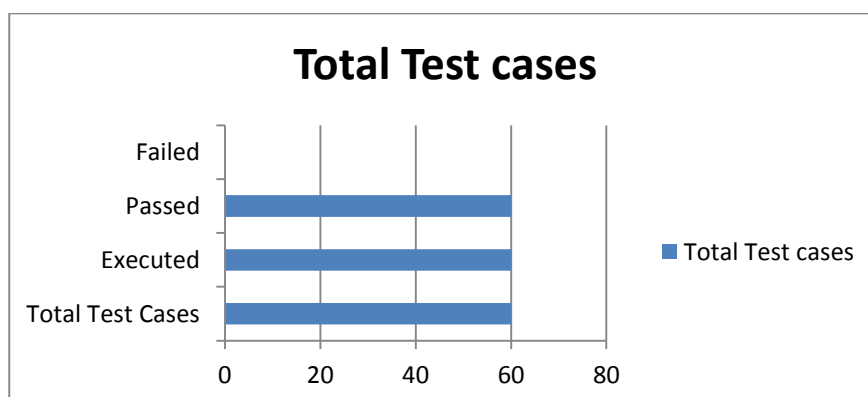
Test Execution Report in Functional/Integration test Cycle

Test Execution status of Funcional/Integration test cases

Testing Start Date	Testing End Date	Total Test Cases	Test cases Executed	Passes	Failed
4/10/2018	8/10/2018	60	60	60	0

Test Report Based on Module

Module	Total Test Cases	Executed	Passed	Failed
Web Service generation with MySql	11	11	11	0
Web Service generation with MsSql	11	11	11	0
Web Service generation with Oracle	8	8	8	0
SOAP web service Generation with Postgres	1	1	1	0
Web Service generation with other web service	15	15	15	0
Automated version controll	2	2	2	0
Dependency Management	5	5	5	0
Resume User Activity	7	7	7	0
Total Test cases	60	60	60	0



3.3 REGRESSION TEST REPORT

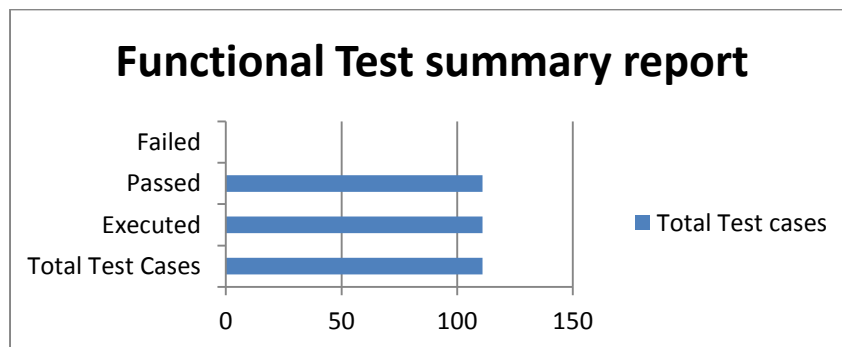
This section provides the details on Regression test of full Regression Phase 2 for Phase1 deliverable

Test Case Document: WSDL_Regression_TestCases_V1.0

Test Execution Report in Functional/Integration test Cycle for Phase 2

Test Execution status of full regression test cases of phase 1					
Testing Start Date	Testing End Date	Total Test Cases	Test cases Executed	Passes	Failed
9/10/2018	11/10/2018	111	111	111	0

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 Generatoin Process	80	80	80	0
Template Management	2	2	2	0
Total Test cases	111	111	111	0



3.4 Defect Report:

This section covers the major and crash issue count during Phase 1 and Phase 2

S.no	Details	Total	Status	Comments
1	Phase 1	1	Verified and closed	Refer the enclosed bug report
2	Phase 2	12	Verified and closed	Refer the enclosed bug report

4 TEST RELEASECONCLUSION

The evolution based testing has 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.