**TEST PLAN**

**Datasource Testing**

Abstract

This document provides an overview of the project and the product test strategy, a list of testing deliverables and plan for development

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**VERSION HISTORY**

|  |  |  |  |  |  |
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| Version # | Written by | Revision Date | Approved By | Approval Date | Outline |
| 1.0 | Sai Harish Yadav.P | 05/27/17 |  |  | Test plan create |
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**INTRODUCTION**

The Test Plan is designed to prescribe the scope, approach, resources, and schedule of all testing activities of the project Data Source Testing. The plan identify the items to be tested, the features to be tested, the types of testing to be performed, the personnel responsible for testing, the resources and schedule required to complete testing, and the risks associated with the plan.

**1 TEST STRATEGY**

**1.1 Scope of Testing**

**1.1.1 Feature to be tested**

The Data source assigned to a particular device is to be tested.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Module Name |  | Applicable  Roles |  | Description |
| Data Source |  | User |  | Assigns Data source(s) to his device. Data source gives the required data. |

**1.1.2 Feature not to be tested**

These features are not be tested because they are not included in the software requirement specs.

* Services
* Alerts
* Reports

**1.2 Test Type**

In the project Data source Testing, types of testing should be conducted.

- **Functional Testing** (To test the functionality of system or software )

-Usability Testing : Conducted on Data source to ensure its functionality.

* 1. **Risk and Issues**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| # | Risk | Impact | Trigger | Mitigation Plan |
| 1 | Scope Creep – as testers become more familiar with the tool, they will want more functionality | High | Delays in implementation date | Functionality will be closely monitored. Priorities will be set. |

* 1. **Test Logistics**

**1.4.1 When will test occur?**

The tester will start the test execution when all the following inputs are ready

- Software is available for testing

- Test Specification is created

- Test Environment is built

**2 TEST OBJECTIVE**

The test objectives are to verify the Functionality of Data source module in Logic Monitor, the project should focus on testing the operations such as create, update, delete…etc. to guarantee all these operation can work normally in real business environment.

**3 TEST PROCESS**

c. Design Test Procedures

d. Set up Test Environment

a. Organize Project

g. Sign Off

f. Log Defects

e. Execute Test Cases

b. Design Test

**(a) Organize Project** involves creating a System Test Plan, Schedule & Test Approach,

and requesting/assigning resources.

**(b)Design/Build System Test** involves identifying Test Cycles, Test Cases, Entrance &

Exit Criteria, Expected Results, etc. In general, test conditions/expected results will be

identified by the Test Team in conjunction with the Project Business Analyst or Business

Expert. The Test Team will then identify Test Cases and the Data required. The test

conditions are derived from the Use Cases and the Requirements Documents.

**(c)Design/Build Test Procedures** includes setting up procedures such as Error

Management systems and Status reporting, and setting up the data.

**(d) Build Test Environment** includes requesting/building hardware, software and data

set-ups.

**(e) Execute Test Cases** – Test scenarios (Test Cases) will be executed to ensure the

quality.

**(f) Log Defects** – Log defects as they are found from executing Test Cases.

**(g) Sign off** - Signoff happens when all pre-defined exit criteria have been achieved.

**4 TEST CRITERIA**

**4.1 Suspension Criteria**

If the team members report that there are 40% of test cases failed, suspend testing until the development team fixes all the failed cases.

**4.2 Exit Criteria**

Specifies the criteria that denote a successful completion of a test phase

- Run rate is mandatory to be 100% unless a clear reason is given.

- Pass rate is 80%, achieving the pass rate is mandatory.

**5 RESOURCE PLANNING**

**- Computer (**Min Requirements: OS – Windows 7, RAM – 4GB, CPU 2.5 GHZ **)**

**- Test Tool (**A Test tool which can auto generate the test result to the predefined form and automated test execution**)**

**6 TEST ENVIRONMENT**

* Selenium Webdriver 3.4.0
* Chrome Browser
* Eclipse
* TestNG Framework
* Windows Machine
* Chrome Driver 2.29
* JDK 1.8

**7 SCHEDULE**

* Project should be completed in one week (seven days).

**8 DELIVERABLES**

* A **test plan** document.
* All **test cases** need to be either included in test plan or in a separate file (for example, an Excel spreadsheet or Google Sheets).
* A **test result report**
* **Script(s) for your automated tests.**