**Test Plan**

This document describes the test activities and tasks needed for this project

*This table shows the last change that has been applied on this document.*

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| --- | --- | --- | --- |
| **Document Info.** | | | |
| **Document Number** |  | **Revision** |  |
| **Document Title** |  | | |
| **Latest Revision** | | | |
| ***Refer to the live system for complete Revision History Table.*** | | | |
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# Document Approval

By affixing their signatures, the individuals below agree that they have reviewed and approved the scope of the effort described in this document.

|  |  |  |  |
| --- | --- | --- | --- |
| **Reviewed and Approved By/ Position** | **Role** | **Signature** | **Date**  **MMM DD YYYY** |
| Software Testing Team Lead |  |  |  |

# Purpose

The purpose of this test plan is to:

* + Specify the scope of the test to be done.
  + Specify the needed test script types that need to be executed and the exclusions (if any).
  + Describe the test strategies to be employed in testing the scope. For example, some stories will require some regression test while others will require adding new functional test cases.

# Test Strategy

* **Functional Test**

The test strategy for this release includes:

* Executing all needed IQs to install the test environments according to the specifications listed in this test plan.
* Executing all needed manual test scripts based on this test plan.

# Test Scope and Related Test Scripts

During the Sprint testing phase, we have testing the change over all the database vendors, however in the final testing phase, we will execute all test cases over one database vendor only (MySQL) based on the risk-based practice we did with the team.

The scope of this project includes the following:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No. | Jira # | Scope | Risk Value | Test Script # | Selected Script Name(s) | Selected Test Case(s) |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

# Installation Qualification List (IQs)

The needed IQs will be executed as specified in the tables below:

**IQs**

|  |  |  |
| --- | --- | --- |
| **IQ Template #** | **Test Script File Name** | **Test Case(s) to be executed** |
|  |  |  |

# Test Environment(s) Specifications

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Operating System** | **Database Server** | **Application Server and Java Version** | **Office Version** | **Browsers** |
| Windows Server 2016 | MySQL 5.7.17 | Apache Tomcat 9.0.30  JRE 11.0.6 | Any supported Version | Any supported version |

# Test Outline

The following test activities (detailed in the validation plan) shall be performed in the following sequence:

1. Prepare IQ Templates.
2. Prepare the needed test script Templates.
3. Execute the approved IQs and provide evidences.
4. Execute the needed test scripts and provide evidences.
5. Prepare the final package.

# Project Participants Roles

|  |  |
| --- | --- |
| **Name** | **Assignment** |
| Testing Leader | **Software Testing Team Lead will**:   * Assign the Software Test Engineer(s) who will be performing the test activities. * Implement the test strategy. * Follow up and review the different assignments the Software Test Engineer(s) will work on. * Approve the execution results of the test scripts * Review the Validation Plan, Test Plan, and Summary Report and approve them for releasing. * Review the final package and approve it for releasing. |
| Test Team for this project | **Software Test Engineer(s) will:**   * Prepare test environments. * Test all stories. * Report discrepancies to developers and confirm the fixes work properly. * Execute manual and automated scripts. |