CiviCRM (Import Multi-value Custom Data)

Test Plan

Version 0.1

For

CiviCRM

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Revision History

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# Introduction

## Purpose

The purpose of this document is to work out in details the QC activities required to be performed for “Import Multi-value Custom Data” feature; to define the approach to testing; to define the scope of the QC activities; provide reference documents to perform the QC activities; and provide the techniques, and methodologies to support QC activities, and reporting.

## Overview

The Multi-value Custom Data Import Wizard allows you to easily upload data to populate multi-value custom data records.

## Definitions, Acronyms and Abbreviations

| **Abbreviation** | **Sense** |
| --- | --- |
| QC | Quality Control |
| BAT | Basic Acceptance Test suite |
| SRTS | Standard Regression Test Suite |
| IMVCD | Import Multi-value Custom Data |

# Test Strategy

## Test Approach

The goal of testing is to ensure that IMVCD functions as expected; cover all components of the feature by defined testing types and make sure that input values used in test cases are run.

* **Test Planning**

During planning phase QC are defining how and what need to be tested for getting accepted level of quality for IMVCD feature.

* **Test Design**

QC team could create the following kinds of test documentation:

* Test Cases
* **Test Automation**

None

* **Test Execution**

The created test cases will be executed and GUI testing will be performed to verify functional, non-functional requirements and GUI in scope of IMVCD feature. The following kinds of testing may have place to verify functionality in scope of IMVCD feature.

* **Defects tracking**

QC engineer will be responsible to enter all found defects into defects tracking tool. https://issues.civicrm.org/jira/.

## Test Types

***Functional testing*** refers to the set of tests that IMVCD feature functioning against of acceptance criteria of documentation and common sense. It verifies that all functional requirements are implemented properly.

Functional tests will be designed for all components of IMVCD feature. Functional testing will consist of test cases, which will be divided on the following test suites: BAT, SRTS. Functional and browser compatibility tests are run separately, unless some type of testing is not applicable.

***Browser Compatibility*** will be focused on testing browser compatibility peculiarities in scope of supported browsers.

***Ad-hoc testing*** will be used for quick verification or for testing of areas not covered by test cases. Ad-hoc testing will be provided in combination with other types of testing.

## Test Design

Tests will be designed for Functional testing only. There will be no separate tests for sanity, regression and automated testing or any other type of testing.

Once designed, test cases will be added to the Excel spreadsheet and posted the “GitHub” for review.

Test design procedure will consists of the following steps:

1. QC analyzes IMVCD feature and creates the list of planned tests.
2. QC Engineer finishes test design of tests and add them into excel repo.

Also each test case will be tagged with test type tag and test group tag. Test cases will be combined into appropriate test suites.

Test cases are characterized by:

* Test case ID
* Name
* Tag
* Description
* Owner
* Priority
* Pre-conditions
* Test Steps
* Expected Result

## Automation Test Development

* None

## Test Execution

### Pass/Fail Criteria

The following criteria determine conditions for a test’s “Failed” status:

* The feature under test does not operate according to a stated requirement.
* The feature under test operates in a way that will create a perception of low quality, even if the stated requirements were met.

### Acceptance Criteria

The following criteria must be met for the product under test exit QC phase.

* All acceptance criteria’s from IMVCD feature are passed
* All planned tests have been run and have status Passed
* All Severe and High severity defects have been fixed and are in status Closed
* All defects that are not/cannot be fixed and/or verified till the delivery have been communicated and agreed stockholders

### Defect Tracking

https://issues.civicrm.org/jira/

## Test Deliverables

Test deliverables will include:

* Test Plan
* Test Cases
* Defects entered in the defects tracking tool

## Test Environment

### Configurations

The following table defines test configurations and test suites that will be used during configuration testing:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Browsers | | | |
|  | Firefox | Safari | Chrome | IE |
| Test Suite | BAT, SRTS | BAT | BAT | BAT |
| Drupal 7.0 and CIVICERM 4.6.10 | | | | |

Where:

* Firefox – main configurations
* Safari, Chrome – additional configurations
* IE – extended configurations

### Testing Tools

QC team will use following tools:

* Defects tracking tool – “Jira”
* Version Control System – “GitHub”