*Liferay Form*

Test Plan

Version *1.0*

*Jan, 2020.*

# Introduction

This document presents the test plan for the current version of the website Liferay Forms, available at <http://forms.liferay.com/web/forms/shared/-/form/372406>. This release is focused on the implementation of one main feature, the submission of users’ information through the form. In addition, validations regarding screen layout are required in this moment.

# Test ITEMS

The scope of this test plan is centered on the basic flow of providing and submitting users’ information through the website. The items to be tested are displayed below and they might be tested using the latest version of three web browsers: Chrome, Firefox and Internet Explorer. These tests should include interaction both using a desktop browser and mobile versions.

Scope:

* The text “party rock” must be displayed in the form.
* All fields must be completely filled in order to submit a form.
* When a form is not completely filled the form must present a message with an error.
* After each submission, the page must display a message informing that the submission was successfully completed.

Three strategies will be held in this process:

1. A manual testing approach, following pre-determined test cases.
2. An automated testing approach following scripts developed to a set of specific tests.
3. An exploratory manual approach, seeking to identify unusual issues, out of the scope from the main testing flows and that might only be presented by simulating uncommon interactions.

# Testing PROCEDURES

The table below presents the description of all test cases designed, developed and executed in order to check the submission of users’ information through the current version of Liferay Form available at <http://forms.liferay.com/web/forms/shared/-/form/372406>.

**Table 1.** **Testing Approach**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Description** | **Step by Step** | **Approach** |
| TC001 | To verify that the form present the text “party rock”. | 1. Open the form.  2. Verify at the top of the page the the text “party rock” is complete displayed and visible. | Automated |
| TC002 | To submit a form with the complete information for a single user. | 1. Open the form.  2. Fill all the information required: name, birthday date and motivation description.  3. Submit the form completely filled.  4. Verify that a message is presented informing the user that the information was successfully submited. | Automated |
| TC003 | To submit a form with the complete information for multiple users. | 1. Prepare a file with a list of different users to be submited.  2. Open the form.  3. Fill all the information required: name, birthday date and motivation description.  4. Submit the form completely filled.  5. Verify that a message is presented informing the user that the information was successfully submited.  6. Repeat steps 1-5 for each different user. | Automated |
| TC004 | To submit a form with no information in the field “name” | 1. Prepare a file with a list of different users to be submited.  2. Open the form.  3. Fill the information required for birthday date and motivation description.  4. Do not fill information for the field name.  5. Submit the form and verify that an error message is displayed requiring the missing information. | Semi-Automated  (The script might present different results due to the stability on the page in this version. A final manual validation might be required) |
| TC005 | To submit a form with no information in the field “birthday date” | 1. Open the form.  2. Fill the information required for name and text description.  3. Do not fill information for the field birthday date.  4. Submit the form and verify that an error message is displayed requiring the missing information. | Semi-Automated  (The script might present different results due to the stability on the page in this version. A final manual validation might be required) |
| TC006 | To submit a form with no information in the field “motivation description” | 1. Open the form.  2. Fill the information required for name and birthday date.  3. Do not fill information for the field motivation description.  4. Submit the form and verify that an error message is displayed requiring the missing information. | Semi-Automated  (The script might present different results due to the stability on the page in this version. A final manual validation might be required) |
| TC007 | To submit a form with an user’s name containing non-ascii characters | 1. Open the form.  2. Fill all the information required: name, birthday date and motivation description.  3. For internationalization purposes make sure that the user’s name presents non-ascii characters, such as ã, ê or œ.  4. Submit the form completely filled.  5. Verify that a message is presented informing the user that the information was successfully submited. | Manual |
| TC008 | To submit a form with texts containing non-ascii characters | 1. Open the form.  2. Fill all the information required: name, birthday date and motivation description.  3. For internationalization purposes make sure that the motivation description contains non-ascii characters, such as @, $, & and non-ascii characters from different languages.  4. Submit the form completely filled.  5. Verify that a message is presented informing the user that the information was successfully submited. | Manual |
| TC009 | To submit a form with texts containing web script commands | Submit forms containing commands for formatting webpages, such as HTML, CSS and javascript and verify that no modification in the page structure was observed after submmiting such commands. | Exploratory |
| TC010 | To submit a form with different configurations for the user’s birthday date. | Submit forms containing different configurations for the user’s birthday date, such as, inconsistent dates or invalid dates and observe the results. | Exploratory |

# Testing Results and Report

The table 2 presents the results obtained from test execution on January, 07, 2020. Details are presented as follows:

* **Test Result Rates**: 90% Passed | 10% Failed
* **Test Execution Rates**:30% Automated | 30 % Semi-Automated | 40% Manual
* **Test Execution Details**:Automated tests were performed using Chrome browser, while manual and semi-automated tests were performed using Chrome, Firefox and Internet Explorer browsers. Finally, test TC001 – TC006 were executed manually in a mobile version of Chrome.

**Table 2.** **Tests Results**

|  |  |  |  |
| --- | --- | --- | --- |
| **Test ID** | **Description** | **Results** | **Comments** |
| TC001 | To verify that the form present the text “party rock”. | **PASSED** |  |
| TC002 | To submit a form with the complete information for a single user. | **PASSED** |  |
| TC003 | To submit a form with the complete information for multiple users. | **PASSED** |  |
| TC004 | To submit a form with no information in the field “name” | **PASSED** | Passed after manual validation |
| TC005 | To submit a form with no information in the field “birthday date” | **PASSED** | Passed after manual validation |
| TC006 | To submit a form with no information in the field “motivation description” | **PASSED** | Passed after manual validation |
| TC007 | To submit a form with an user’s name containing non-ascii characters | **PASSED** |  |
| TC008 | To submit a form with texts containing non-ascii characters | **PASSED** |  |
| TC009 | To submit a form with texts containing programming commands | **PASSED** |  |
| TC010 | To submit a form with different configurations for the user’s birthday date. | **FAIL** | The form is accepting invalid values for months, such as “13”, “14” or “25”. |