

# Test Plan

LIFERAY FORM - 122548

## REVISION HISTORY

Date	Version	Description	Author
27/02/2021	1.0	Test plan creation	Rodrigo Arcoverde

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## 1. INTRODUCTION

### 1.1. PURPOSE

This document aims to describe the testing process for the “Liferay Form 122548”, identifying the components and requirements that will be tested, indicating the strategies to be used for each type of tests and the resources that will be required in addition to providing a schedule of efforts required for testing activities.

### 1.2. TEST SCOPE

For the project, a black box test approach will be used, where functional tests will be run manually based on the test scenarios described in this document together with exploratory tests, so that the system's behavior is better evaluated since no requirements documentation was provided.

## 2. SCENARIOS / CASES TO BE TESTED

### 2.1. TEST SCENARIOS

SCENARIO ID	DESCRIPTION
S01	Submit of the form
S02	Validate the form field “What is your name?”
S03	Validate the form field “What is the date of your birth?”
S04	Validate the form field “Why did you join the testing area?”
S05	Validate the translation of the form
S06	Tab navigation usability
S07	Validate the Responsiveness of the form

## 2.2. DETAILED SCENARIOS / TEST CASES

### SCENARIO 01 – SUBMIT THE FORM

TEST CASE	S01_TC01 – Submit the form successfully
TEST OBJECTIVE	Check that the form is being submitted successfully
PRE-REQUISITES	Access the form page: <a href="https://forms.liferay.com/web/forms/shared/-/form/122548">https://forms.liferay.com/web/forms/shared/-/form/122548</a>
STEPS	<ol style="list-style-type: none"><li>1. Fill in the "What is your name?" field with valid value.</li><li>2. Fill in the "What is the date of your birth?" field with valid value.</li><li>3. Fill in the "Why did you join the testing area?" field with valid value.</li><li>4. Click in the "Submit" button.</li></ol>
ACCEPTANCE CRITERIA	<p>The form should display the following messages:</p> <ul style="list-style-type: none"><li>• "Information sent" as a title.</li><li>• "Information sent successfully!" as a description.</li></ul>

TEST CASE	S01_TC02 – Submit the form with the required fields empty
TEST OBJECTIVE	Check that the form is not sent when there is a required field not filled in.
PRE-REQUISITES	Access the form page: <a href="https://forms.liferay.com/web/forms/shared/-/form/122548">https://forms.liferay.com/web/forms/shared/-/form/122548</a>
STEPS	<ol style="list-style-type: none"><li>1. Click in the "Submit" button without filling in any of the required fields.</li></ol>
ACCEPTANCE CRITERIA	The form is not sent and for all mandatory fields the message " This field is required. " appears.

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## SCENARIO 02 – VALIDATE THE FORM FIELD “WHAT IS YOUR NAME?”

TEST CASE	S02_TC01 – Fill in the field “What is your name?” with letters
TEST OBJECTIVE	Check that the field accepts letters
PRE-REQUISITES	Access the form page: <a href="https://forms.liferay.com/web/forms/shared/-/form/122548">https://forms.liferay.com/web/forms/shared/-/form/122548</a>
STEPS	1. Fill in the "What is your name?" field with letters e.g. [a-zA-Zà-úÀ-Ú]
ACCEPTANCE CRITERIA	The field must accept the filling and not display any validation message.

TEST CASE	S02_TC02 – Fill in the field “What is your name?” with numbers
TEST OBJECTIVE	Checks that the field does not accept numbers because it is a name field
PRE-REQUISITES	Access the form page: <a href="https://forms.liferay.com/web/forms/shared/-/form/122548">https://forms.liferay.com/web/forms/shared/-/form/122548</a>
STEPS	1. Fill in the "What is your name?" field with numbers. e.g. [0123456789]
ACCEPTANCE CRITERIA	The field must not accept and displays the message "Invalid name"

TEST CASE	S02_TC03 – Fill in the field “What is your name?” with special characters
TEST OBJECTIVE	Checks that the field does not accept special characters because it is a name field
PRE-REQUISITES	Access the form page: <a href="https://forms.liferay.com/web/forms/shared/-/form/122548">https://forms.liferay.com/web/forms/shared/-/form/122548</a>
STEPS	1. Fill in the "What is your name?" field with special characters. e.g. #\$,,:?@!*\$&
ACCEPTANCE CRITERIA	The field must not accept and displays the message "Invalid name"

TEST CASE	S02_TC04 – Leave the field “What is your name?” empty
TEST OBJECTIVE	Check that the form does not accept a required field with empty fill
PRE-REQUISITES	Access the form page: <a href="https://forms.liferay.com/web/forms/shared/-/form/122548">https://forms.liferay.com/web/forms/shared/-/form/122548</a>
STEPS	<ol style="list-style-type: none"> <li>1. Click to focus the "What is your name?" field</li> <li>2. Leave the field empty and click outside it</li> </ol>
ACCEPTANCE CRITERIA	The field must not accept and displays the message " This field is required."

TEST CASE	S02_TC05 – Validate the field “What is your name?” size limitation
TEST OBJECTIVE	Checks that the field does not accept more than 100 characters avoiding database problems when trying to save very large fields
PRE-REQUISITES	Access the form page: <a href="https://forms.liferay.com/web/forms/shared/-/form/122548">https://forms.liferay.com/web/forms/shared/-/form/122548</a>
STEPS	<ol style="list-style-type: none"> <li>1. Try to fill in the "What is your name?" field with over than 100 letters</li> </ol>
ACCEPTANCE CRITERIA	When it reaches the hundredth letter, the field will block the typing

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#### SCENARIO 03 – VALIDATE THE FORM FIELD “WHAT IS THE DATE OF YOUR BIRTH?”

TEST CASE	S03_TC01 – Fill in the field “What is the date of your birth?” with invalid date
TEST OBJECTIVE	Checks that the field does not accept an invalid date
PRE-REQUISITES	Access the form page: <a href="https://forms.liferay.com/web/forms/shared/-/form/122548">https://forms.liferay.com/web/forms/shared/-/form/122548</a>
STEPS	<ol style="list-style-type: none"> <li>1. Fill in the "What is the date of your birth?" field with an invalid date. e.g. [02/30/2021, 00/00/0000, 01/01/]</li> </ol>
ACCEPTANCE CRITERIA	The field must not accept an invalid date and will block the typing and overwrite to the nearest valid date after losing the focus.

TEST CASE	S03_TC02 – Fill in the field “What is the date of your birth?” with a date in the future
TEST OBJECTIVE	Check that the field does not accept a date after the current date.
PRE-REQUISITES	Access the form page: <a href="https://forms.liferay.com/web/forms/shared/-/form/122548">https://forms.liferay.com/web/forms/shared/-/form/122548</a>
STEPS	1. Fill in the "What is the date of your birth?" field with a date after the current date.
ACCEPTANCE CRITERIA	The field must not accept an invalid date and will block the typing and overwrite to the nearest valid date after losing the focus.

TEST CASE	S03_TC03 – Fill in the field “What is the date of your birth?” with letters
TEST OBJECTIVE	Check that the field does not accepts letters, because is a date field.
PRE-REQUISITES	Access the form page: <a href="https://forms.liferay.com/web/forms/shared/-/form/122548">https://forms.liferay.com/web/forms/shared/-/form/122548</a>
STEPS	1. Fill in the "What is the date of your birth?" field with letters. e.g. [a-zA-Zà-úÀ-Ú]
ACCEPTANCE CRITERIA	The field must block the type.

TEST CASE	S03_TC04 Fill in the field “What is the date of your birth?” special characters
TEST OBJECTIVE	Checks that the field does not accept special characters, because is a date field.
PRE-REQUISITES	Access the form page: <a href="https://forms.liferay.com/web/forms/shared/-/form/122548">https://forms.liferay.com/web/forms/shared/-/form/122548</a>
STEPS	1. Fill in the "What is the date of your birth?" field with special characters. e.g. #\$,.:?@!*\$&
ACCEPTANCE CRITERIA	The field must block the type.



TEST CASE	S03_TC05 – Leave the field “What is the date of your birth?” empty
TEST OBJECTIVE	Check that the form does not accept a required field with empty fill.
PRE-REQUISITES	Access the form page: <a href="https://forms.liferay.com/web/forms/shared/-/form/122548">https://forms.liferay.com/web/forms/shared/-/form/122548</a>
STEPS	<ol style="list-style-type: none"> <li>1. Click to focus the "What is the date of your birth?" field.</li> <li>2. Leave the field empty and click outside it.</li> </ol>
ACCEPTANCE CRITERIA	The field must not accept and displays the message " This field is required."

TEST CASE	S03_TC06 – Fill in the field “What is the date of your birth?” using the calendar button
TEST OBJECTIVE	Check that the calendar button is working and filling in the date correctly.
PRE-REQUISITES	Access the form page: <a href="https://forms.liferay.com/web/forms/shared/-/form/122548">https://forms.liferay.com/web/forms/shared/-/form/122548</a>
STEPS	<ol style="list-style-type: none"> <li>1. Click in calendar button next to the "What is the date of your birth?" field.</li> <li>2. Choose a date</li> </ol>
ACCEPTANCE CRITERIA	The field must be filled with the chosen date.

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#### SCENARIO 04 – VALIDATE THE FORM FIELD “WHY DID YOU JOIN THE TESTING AREA?”

TEST CASE	S04_TC01 – Fill in the field “Why did you join the testing area?” with all types of characters
TEST OBJECTIVE	Check that the field accepts all types of characters.
PRE-REQUISITES	Access the form page: <a href="https://forms.liferay.com/web/forms/shared/-/form/122548">https://forms.liferay.com/web/forms/shared/-/form/122548</a>
STEPS	<ol style="list-style-type: none"> <li>1. Fill in the " Why did you join the testing area?" field with all types of characters. e.g. [acbsdef012345678#\$%&amp;*!+]</li> </ol>
ACCEPTANCE CRITERIA	The field must accept the filling and not display any validation message.

TEST CASE	S04_TC02– Leave the field “Why did you join the testing area?” empty
TEST OBJECTIVE	Check that the form does not accept a required field with empty fill.
PRE-REQUISITES	Access the form page: <a href="https://forms.liferay.com/web/forms/shared/-/form/122548">https://forms.liferay.com/web/forms/shared/-/form/122548</a>
STEPS	<ol style="list-style-type: none"> <li>1. Click to focus the "Why did you join the testing area?" field.</li> <li>2. Leave de field empty and click outside it.</li> </ol>
ACCEPTANCE CRITERIA	The field must not accept and displays the message " This field is required."

TEST CASE	S04_TC03 – Validate the field “Why did you join the testing area?” size limitation
TEST OBJECTIVE	Checks that the field does not accept more than 1000 characters avoiding database problems when trying to save very large fields.
PRE-REQUISITES	Access the form page: <a href="https://forms.liferay.com/web/forms/shared/-/form/122548">https://forms.liferay.com/web/forms/shared/-/form/122548</a>
STEPS	<ol style="list-style-type: none"> <li>1. Try to fill in the "What is your name?" field with over than 1000 characters.</li> </ol>
ACCEPTANCE CRITERIA	When it reaches the thousandth character, the field will block the typing.

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#### SCENARIO 05 – VALIDATE THE TRANSLATION OF THE FORM

TEST CASE	S05_TC01 – Validate the translation to Portuguese - Brazil
TEST OBJECTIVE	Check that the form is being translated correctly for the selected language.
PRE-REQUISITES	Access the form page: <a href="https://forms.liferay.com/web/forms/shared/-/form/122548">https://forms.liferay.com/web/forms/shared/-/form/122548</a>
STEPS	<ol style="list-style-type: none"> <li>1. Click on the translation button and select the “Portuguese-Brazil” option</li> </ol>
ACCEPTANCE CRITERIA	<ol style="list-style-type: none"> <li>1. The translation button must show the Brazilian flag.</li> <li>2. All texts on the form must have been translated to “Portuguese-Brazil” , including the required field messages and post submission success message.</li> </ol>

TEST CASE	S05_TC02 – Validate the translation to English – United States
TEST OBJECTIVE	Check that the form is being translated correctly for the selected language.
PRE-REQUISITES	Access the form page: <a href="https://forms.liferay.com/web/forms/shared/-/form/122548">https://forms.liferay.com/web/forms/shared/-/form/122548</a>
STEPS	1. Click on the translation button and select the “English- United States” option
ACCEPTANCE CRITERIA	<ol style="list-style-type: none"> <li>1. The translation button must show the USA flag.</li> <li>2. All texts on the form must have been translated to “English- United States”, including the required field messages and post submission success message.</li> </ol>

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#### SCENARIO 06 – TAB NAVIGATION USABILITY

TEST CASE	S06_TC01 – Validate the navigation with tab button
TEST OBJECTIVE	Check if navigation with the tab is working for all focusable elements of the form
PRE-REQUISITES	Access the form page: <a href="https://forms.liferay.com/web/forms/shared/-/form/122548">https://forms.liferay.com/web/forms/shared/-/form/122548</a>
STEPS	1. Press tab repeatedly to navigate between form elements
ACCEPTANCE CRITERIA	All focusable elements of the form must be accessed via the tab button

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#### SCENARIO 07 – VALIDATE THE RESPONSIVENESS OF THE FORM

TEST CASE	S07_TC01 – Validate the form at 1920x1080 resolution
TEST OBJECTIVE	Check that all elements of the form remain intact and functional
PRE-REQUISITES	Set the screen or browser resolution to 1920x1080
STEPS	1. Access the form page: <a href="https://forms.liferay.com/web/forms/shared/-/form/122548">https://forms.liferay.com/web/forms/shared/-/form/122548</a>
ACCEPTANCE CRITERIA	All elements of the form must remain intact, functional and should not overlap.

TEST CASE	S07_TC02 – Validate the form at 1366x768 resolution
TEST OBJECTIVE	Check that all elements of the form remain intact and functional
PRE-REQUISITES	Set the screen or browser resolution to 1366x768
STEPS	1. Access the form page: <a href="https://forms.liferay.com/web/forms/shared/-/form/122548">https://forms.liferay.com/web/forms/shared/-/form/122548</a>
ACCEPTANCE CRITERIA	All elements of the form must remain intact, functional and should not overlap.

TEST CASE	S07_TC03 – Validate the form at 375x812 resolution
TEST OBJECTIVE	Check that all elements of the form remain intact and functional
PRE-REQUISITES	Set the screen or browser resolution to 375x812
STEPS	1. Access the form page: <a href="https://forms.liferay.com/web/forms/shared/-/form/122548">https://forms.liferay.com/web/forms/shared/-/form/122548</a>
ACCEPTANCE CRITERIA	All elements of the form must remain intact, functional and should not overlap.

### 3. TEST STRATEGY

This topic presents the recommended approach for each type of test that will be performed, identifying and describing the objective of each one, the techniques that should be used and what are the criteria for completing them.

#### 3.1. FUNCTIONAL TEST

TEST PURPOSE	Check if all the functionalities of the form are in accordance with the planned scenarios.
TECHNIQUE	Execute the test scenarios that were planned, using black box techniques (Ex .: equivalence partitioning, decision table) when feasible, to assess the behavior of the website's functionalities.
CONCLUSION CRITERIA	<ul style="list-style-type: none"> <li>All planned scenarios have been executed.</li> <li>All defects found have been addressed.</li> </ul>

### 3.2. EXPLORATORY TEST

TEST PURPOSE	Evaluate the behavior of the form, searching possible failures and complementing the planned tests.
TECHNIQUE	<ul style="list-style-type: none"><li>• Interact with the form, making an exploratory scan of the elements, using the tester's experience and knowledge of the business rules as a basis.</li><li>• Use mind maps that can be supportive.</li></ul>
CONCLUSION CRITERIA	<ul style="list-style-type: none"><li>• The time window for exploratory testing has ended.</li><li>• All defects found were treated.</li></ul>

### 3.3. COMPATIBILITY TEST

TEST PURPOSE	Check the compatibility of the site for different browsers.
TECHNIQUE	Test all planned scenarios in Chrome, Firefox and Edge.
CONCLUSION CRITERIA	<ul style="list-style-type: none"><li>• All features are compatible with Chrome, Firefox and Edge.</li><li>• All defects found have been addressed.</li></ul>

## 4. TEST CRITERIA

### 4.1. BUGS CLASSIFICATION

SEVERITY	DESCRIPTION
Critical	Blocks one or more features from being tested.
Major	Partially blocks a feature from being tested.
Minor	Do not block a feature from being tested.
Low	Little impact, usually grammar errors.

### 4.2. ACCEPTANCE CRITERIA

- ✓ All tests that have been planned must have been performed.
- ✓ The application cannot be delivered if there are still bugs of critical or major severity open.

## 5. REQUIRED TOOLS & RESOURCES

### 5.1. HARDWARE

HARDWARE TYPE	DESCRIPTION	QUANTITY
Computer for tests	Notebook with i5 processor, 6GB RAM and SSD 240gb	1

### 5.2. SOFTWARE

SOFTWARE TYPE	DESCRIPTION	QUANTITY
Browser	Chrome v.75 or higher	1
Browser	Firefox v.67 or higher	1
Browser	Edge v.42 or higher	1
SO	Windows 10 64bits	1

## 6. RESPONSIBLES FOR THE PROJECT

ROLE	RESPONSIBLE	ASSIGNMENTS
Test Engineer	Rodrigo Arcoverde	<ul style="list-style-type: none"><li>• Preparation of test plan.</li><li>• Creation of test cases and scenarios.</li><li>• Execution of tests.</li><li>• Monitoring and reporting of bugs.</li><li>• Analysis of results and report generation.</li></ul>