

## TEST STRATEGY

### Liferay Forms

#### 1. Scope and overview

This document describes an applied strategy in order to assure the Liferay Form Application as a high quality tool that offers data entry services. The component is prepared for two languages (English / Portuguese (BR)).

The functionality of the form needs to be tested in order to make sure it gives value to the user according to acceptance criteria and/or standards.

#### 2. Test Approach

##### a. Test Levels:

The functionality will be tested on the acceptance tests level.

##### b. Test Types:

In order to find out the possible acceptance criteria, as well as the doubt points to consult with Test Manager, Product Manager or Product owner, there will be exploratory testing sessions planned.

Tests will be automated according to the prioritization derived from risk-based and requirement-based analytical strategy combined with the dynamic strategy based on exploratory testing sessions. This approach has been chosen having in mind testing team skills as well as the timeline of the process.

The objective is to find as many defects as possible with a minimum effort invested so it can serve as a factor in the decisive process whether the Minimum Value Product has been reached.

At the same time, based on the results of exploratory testing sessions, it is necessary to create a set of acceptance criterias for each of the components in order to automate tests which verify and validate generic fields (such as datepicker, input field, mandatory fields, etc.)

The chosen strategy has a character of a Proof of concept. That is why an automation test framework with a few test scenarios will be created. It will be the base for the future regression test suite (for further work cycles and test activities).

#### 3. Testing tools

To create test scripts the testing team will be using the Cypress framework.

#### 4. Industry standards to follow

There are no industry standards specified.

## 5. Requirement Traceability Matrix

In order to produce a high quality Form component that meets user expectations there will be a set of procedures and techniques that need to be followed to achieve the goals of the project.

The requirements traceability matrix will be specified as a result of the exploratory testing sessions followed by the rules of validation standards for data entry software.

## 6. Risks and mitigation, Reporting tool, Test summary

The detailed information about this approach is defined in the Acceptance Test Plan **(FORMS-LTP-UAT)**.