

Test Plan for Liferay Forms:

1 Scope:

Considering the effort of 1 working day and only 1 software tester, this test plan is limited to the following scope:

| Within scope |
|---|
| Check navigability and menu on the Liferay Forms. |
| Check the Liferay Forms submission. |
| Check the Liferay Forms fields. |
| Check the Liferay Forms supported languages. |

| Out of scope |
|--|
| Check the Liferay Forms database entries after submission. |
| Check duplicated data in database on the Liferay Forms submission. |
| Check the general layout, colors and usability of the application. |
| Check application performance (speed) and robustness. |

2 Tests strategy:

Considering the coverage guarantee, deadline to delivery and possible contingencies follow the testing strategies below:

| Purpose of Testing | Evaluate the Liferay Forms application, which is already available on the Internet at https://forms.liferay.com/web/forms/shared/-/form/122548 . The objectives are to verify that the application: Work as designed Is intuitive and anyone can use it without difficulty Performs and functions accurately Correctly handles error conditions Interfaces function correctly |
|--------------------|--|
| Scope of Testing | The test scope defined in section 1 will be tested using only 1 test environment with the following configuration: Operating system: Linux (Ubuntu 18.04.5 LTS) Browser: Google Chrome 90.0.4430.212 (Official Build) (64-bit) |
| Test Type | Functional testing will occur in an iterative and controlled manner, ensuring the solution matches the defined business and operational concerns. |



| Development Tools and Test Tools (Automated testing) | For the defined scope and the deadline for project delivery, only two automated tests will be used to cover part of the tests scope defined in section 1 . |
|--|--|
| Business and Operational concerns | The Liferay Forms is an application that keeps a record of all Liferay QA candidates name, date birth and why the candidate joined the testing area. |
| Risks and mitigation | The risks, consequences and actions to mitigate it are detailed in section 3. |

3 Risks and mitigation:

See below the risks for testing the Liferay Forms application, its consequences and actions to mitigate it.

| Risk | Risk consequences | Actions to mitigate risk |
|--|---|---|
| Lack of requirements documentation. | Do not cover 100% of the functionality based on the requirements. | Create a requirements document to ensure the application works as desired. |
| Specification is not available at the adequate time. | Inability to plan the completed testing process in the adequate time. | Anticipate the definition of the specifications and start the test plan more quickly. |
| Do not check the correct data in database. | Data may not been stored in database or may be incorrect. | Allow access to database and check the data submission. |

4 Test Scenarios:

Find below some test scenarios related to the scope defined in $\underline{\text{section 1}}$.

| TS ID | Test scenario description |
|--------|---|
| TS-001 | Check the supported languages. |
| TS-002 | Check the required fields. |
| TS-003 | Check the date birth menu field. |
| TS-004 | Check the text fields with big text content (more than 300 characters). |
| TS-005 | Check the successful form submission. |
| TS-006 | Check the form submission with incorrect data. |



5 Test Cases:

See below the test cases for the test scenarios defined in <u>section 4</u>.

| TC-001 | Verify default supported language. | | |
|----------------|------------------------------------|---|--|
| Created by | Fernando Benbassat | Updated | Jun-06-2021 |
| Test Type | Sanity | Component/Test Scenario | TS-001 |
| Test Procedure | | | |
| Initial Setup | | Steps | Expected Results |
| Open Liferay | Forms in browser. | Verify default supported language in icon flag. | US (english) flag is set up by default. |
| | | Verify the site content. | All site content (texts) is in english (US). |
| | | Click on calendar icon in date birth field. | Calendar menu texts are in english (US). |

| TC-002 | Verify portuguese (BR) supported language. | | |
|----------------|--|---|---|
| Created by | Fernando Benbassat | Updated | Jun-06-2021 |
| Test Type | Sanity | Component/Test Scenario | <u>TS-001</u> |
| Test Procedure | | | |
| Initial Setup | | Steps | Expected Results |
| Open Liferay | Forms in browser. | Click on US flag and choose portuguese (BR) flag. | Icon flag changed to portuguese (BR) flag. |
| | | Verify the site content. | All site content (texts) is in portuguese (BR). |
| | | Click on calendar icon in date birth field. | Calendar menu texts are in portuguese (US). |

| TC-003 | Verify english (US) supported language | | | |
|---------------|--|--|---|--|
| Created by | Fernando Benbassat | Updated | Jun-06-2021 | |
| Test Type | Sanity | Component/Test Scenario | <u>TS-001</u> | |
| | Test Procedure | | | |
| Initial Setup | | Steps | Expected Results | |
| Open Liferay | Forms in browser. | Choose portuguese (BR) language in icon flag menu. | All site content (texts) is in portuguese (BR). | |
| | | Change language to english (US) in icon flag menu. | All site content (texts) is in english (US). | |
| | | Click on calendar icon in date birth field. | Calendar menu texts are in english (US). | |



| TC-004 | Verify "What is your name" field is required. | | |
|---------------------|---|---|---|
| Created by | Fernando Benbassat | Updated | Jun-06-2021 |
| Test Type | Sanity | Component/Test Scenario | <u>TS-002</u> |
| Test Procedure | | | |
| Initial Setup Steps | | Expected Results | |
| Open Liferay | Forms in browser. | Enter a valide data in "What is the date of your birth?" and "Why did you join the testing area?" fields. | Both fields are filled. |
| | | Click on "Submit" button. | The message error "This field is required" is displayed in red and below the "What is your name" field. |

| TC-005 | Verify "What is the date of your birth?" field is required. | | | |
|---------------|---|---|---|--|
| Created by | Fernando Benbassat | Updated | Jun-06-2021 | |
| Test Type | Sanity | Component/Test Scenario | <u>TS-002</u> | |
| | Test Procedure | | | |
| Initial Setup | | Steps | Expected Results | |
| Open Liferay | Forms in browser. | Enter a valide data in "What is your name" and "Why did you join the testing area?" fields. | Both fields are filled. | |
| | | Click on "Submit" button. | The message error "This field is required" is displayed in red and below the "What is the date of your birth?" field. | |



| TC-006 | Verify "Why did you join the testing area?" field is required. | | | |
|---------------|--|---|--|--|
| Created by | Fernando Benbassat | Updated | Jun-06-2021 | |
| Test Type | Sanity | Component/Test Scenario | <u>TS-002</u> | |
| | Test Procedure | | | |
| Initial Setup | | Steps | Expected Results | |
| Open Liferay | Forms in browser. | Enter a valid data in "What is your name" and "What is the date of your birth?" fields. | Both fields are filled. | |
| | | Click on "Submit" button. | The message error "This field is required" is displayed in red and below the "Why did you join the testing area?" field. | |

| TC-007 | Verify required fields | Verify required fields with all fields empty. | | |
|---------------|------------------------|---|--|--|
| Created by | Fernando Benbassat | Updated | Jun-06-2021 | |
| Test Type | Sanity | Component/Test Scenario | <u>TS-002</u> | |
| | Test Procedure | | | |
| Initial Setup | | Steps | Expected Results | |
| Open Liferay | Forms in browser. | No fill the form fields. | All fields are empty. | |
| | | Click on "Submit" button. | The message error "This field is required" is displayed in red and below the all fields. | |



| TC-008 | Verify calendar men | u in the date birth field. | |
|---------------|-----------------------|---|---|
| Created by | Fernando Benbassat | Updated | Jun-06-2021 |
| Test Type | Sanity | Component/Test Scenario | <u>TS-003</u> |
| | | Test Procedure | |
| Initial Setup | | Steps | Expected Results |
| Open Liferay | Forms in browser. | Click on calendar icon in date birth field. | A calendar with all the days of the current month is displayed. |
| | | Click on month field in calendar menu. | A drop down menu should be displayed with all months of the year. |
| | | Choose a month. | Selected month should be displayed in calendar. |
| | | Click on year field in calendar menu. | A drop down menu should be displayed with some years. |
| | | Scroll down and up on the | More years should be displayed in drop |
| | | drop down year menu. | down year menu. |
| | | Choose a year. | Selected year should be displayed in calendar. |

| TC-009 | Verify navigability of | Verify navigability of the calendar menu using the right, left and center point arrows. | |
|--------------------------------|------------------------|---|--|
| Created by | Fernando Benbassat | Updated | Jun-06-2021 |
| Test Type | Sanity | Component/Test Scenario | <u>TS-003</u> |
| | | Test Procedure | |
| Initial Setup Steps | | Steps | Expected Results |
| Open Liferay Forms in browser. | | Click on calendar icon in date birth field. | A calendar with all the days of the current month is displayed. |
| | | Click on left arrow on calendar menu. | The month and dates should be updated to the previous month. |
| | | Click on right arrow on calendar menu. | The month and dates should be updated to the forward month. |
| | | Click on dot between left and right arrows on calendar menu. | The calendar menu should display the current day marked on the calendar. |



| TC-010 | Verify "What is your | Verify "What is your name" field accept big text. | |
|--------------------------------|-----------------------|--|---|
| Created by | Fernando Benbassat | Updated | Jun-06-2021 |
| Test Type | Sanity | Component/Test Scenario | <u>TS-004</u> |
| | | Test Procedure | |
| Initial Setup | | Steps | Expected Results |
| Open Liferay Forms in browser. | | Fill in the "What's your name" field with a text of at least 300 characters (also use special characters). | No error should be displayed and all text should be in the field. |
| | | Fill the others fields with a correct simple data. | All form fields should be filled. |
| | | Click on "Submit" button. | The form should be submitted and a new page with a successful submission message will be displayed. |

| TC-011 | Verify "Why did you | Verify "Why did you join the testing area?" field accept big text. | |
|--------------------------------|-----------------------|--|---|
| Created by | Fernando Benbassat | Updated | Jun-06-2021 |
| Test Type | Sanity | Component/Test Scenario | TS-004 |
| | | Test Procedure | |
| Initial Setup | | Steps | Expected Results |
| Open Liferay Forms in browser. | | Fill in the "Why did you join the testing area?" field with a text of at least 300 characters (also use special characters). | No error should be displayed and all text should be in the field. |
| | | Fill the others fields with a correct simple data. | All form fields should be filled. |
| | | Click on "Submit" button. | The form should be submitted and a new page with a successful submission message will be displayed. |



| TC-012 | Verify correct form s | Verify correct form submission. | |
|----------------|-----------------------|--|---|
| Created by | Fernando Benbassat | Updated | Jun-06-2021 |
| Test Type | Sanity | Component/Test Scenario | <u>TS-005</u> |
| Test Procedure | | | |
| Initial Setup | | Steps | Expected Results |
| Open Liferay | Forms in browser. | Fill all form fields with a correct simple data. | All form fields should be filled. |
| | | Click on "Submit" button. | The form should be submitted and a new page with a successful submission message will be displayed. |

| TC-013 | Check the form subr | Check the form submission with only numbers in the "What is your name" field. | | |
|---------------|-----------------------|---|---|--|
| Created by | Fernando Benbassat | Updated | Jun-06-2021 | |
| Test Type | Sanity | Component/Test Scenario | <u>TS-006</u> | |
| | Test Procedure | | | |
| Initial Setup | | Steps | Expected Results | |
| Open Liferay | r Forms in browser. | Fill in the "What's your name" field with only numbers. | The "What's your name" field should be displayed with only numbers. | |
| | | Fill the other fields with correct simple data. | All form fields should be filled. | |
| | | Click on "Submit" button. | A message error "Invalid data" is displayed and the form should not be submitted. | |



| TC-014 | Check the form submission with only numbers in the "Why did you join the testing area?" field. | | | |
|--------------------------------|--|---|---|--|
| Created by | Fernando Benbassat | Updated | Jun-06-2021 | |
| Test Type | Sanity | Component/Test Scenario | TS-006 | |
| Test Procedure | | | | |
| Initial Setup | | Steps | Expected Results | |
| Open Liferay Forms in browser. | | Fill in the "Why did you join the testing area?" field with only numbers. | The "Why did you join the testing area?" field should be displayed with only numbers. | |
| | | Fill the other fields with correct simple data. | All form fields should be filled. | |
| | | Click on "Submit" button. | A message error "Invalid data" is displayed and the form should not be submitted. | |

| TC-015 | Check the form subm | Check the form submission with only special characters in the "What is your name" field. | | |
|---------------|-----------------------|--|---|--|
| Created by | Fernando Benbassat | Updated | Jun-06-2021 | |
| Test Type | Sanity | Component/Test Scenario | <u>TS-006</u> | |
| | Test Procedure | | | |
| Initial Setup | | Steps | Expected Results | |
| Open Liferay | Forms in browser. | Fill in the "What's your name" field with only special characters. | The "What's your name" field should be displayed with only special characters. | |
| | | Fill the other fields with correct simple data. | All form fields should be filled. | |
| | | Click on "Submit" button. | A message error "Invalid data" is displayed and the form should not be submitted. | |



| TC-016 | Check the form submission with only special characters in the "Why did you join the testing area?" field. | | | |
|----------------|---|--|--|--|
| Created by | Fernando Benbassat | Updated | Jun-06-2021 | |
| Test Type | Sanity | Component/Test Scenario | TS-006 | |
| Test Procedure | | | | |
| Initial Setup | | Steps | Expected Results | |
| Open Liferay | Forms in browser. | Fill in the "Why did you join the testing area?" field with only special characters. | The "Why did you join the testing area?" field should be displayed with only special characters. | |
| | | Fill the other fields with correct simple data. | All form fields should be filled. | |
| | | Click on "Submit" button. | A message error "Invalid data" is displayed and the form should not be submitted. | |

| TC-017 | Check the form subr | Check the form submission with an incorrect date in the "What is your birth date?" field. | |
|--------------------------------|-----------------------|---|---|
| Created by | Fernando Benbassat | Updated | Jun-06-2021 |
| Test Type | Sanity | Component/Test Scenario | <u>TS-006</u> |
| | | Test Procedure | |
| Initial Setup Steps | | Steps | Expected Results |
| Open Liferay Forms in browser. | | Fill in the "What is your birth date?" field with an incorrect date for the period (e.g. 11/11/1111). | The "What is your birth date?" field should be displayed with a invalid date. |
| | | Fill the other fields with correct simple data. | All form fields should be filled. |
| | | Click on "Submit" button. | A message error "Invalid date" is displayed and the form should not be submitted. |



6 Execution Report:

See below the results for <u>Liferay Forms</u> Sanity execution using Linux (Ubuntu) and Google Chorme version 90.0.4430.212:

| Results Summary | | |
|------------------|--------|--|
| Total Test Cases | 17 | |
| Pass | 10 | |
| Fail | 7 | |
| Test executed | 100.0% | |
| Pass rate | 55.0% | |

| Automation Contribution Summary | | | | |
|--------------------------------------|---|--|--|--|
| Total Automated Test Cases 2 (11.8%) | | | | |
| Pass | 1 | | | |
| Fail | 1 | | | |

| | Failed and Blocked Test Scenarios related to Changed Requests (CR) | | | | |
|---------------|--|--------|---|-----|--------------|
| CR ID | Severity | TC ID | Summary | | Created Date |
| <u>CR-001</u> | Minor | TC-002 | Some texts are not translated to portuguese (BR) in the form. | New | 06-Jun-2021 |
| <u>CR-002</u> | Critical | TC-008 | Scroll down and up on the drop down year menu is not available. | New | 06-Jun-2021 |
| <u>CR-003</u> | Minor | TC-013 | No error message is displayed when the "What's your name" field is filled with only numbers. | New | 06-Jun-2021 |
| <u>CR-004</u> | Minor | TC-014 | No error message is displayed when the "Why did you join the testing area?" field is filled with only numbers. | New | 06-Jun-2021 |
| <u>CR-005</u> | Minor | TC-015 | No error message is displayed when the "What is your name" field is filled with only special characters. | New | 06-Jun-2021 |
| <u>CR-006</u> | Minor | TC-016 | No error message is displayed when the "Why did you join the testing area?" field is filled with only special characters. | New | 06-Jun-2021 |
| <u>CR-007</u> | Major | TC-017 | No error message is displayed when the "What is your birth date?" field is filled with incorrect date for the period. | New | 06-Jun-2021 |



7 Bugs Report:

See below the change requests raised during last <u>Liferay Forms</u> Sanity execution:

| ID: CR-001 | Some texts are not translated to po | rtuguese (BR) i | in the form. |
|--------------|--|-----------------|--|
| Severity: | Minor | Issue Type: | Defect |
| Reporter: | Fernando Benbassat | Team Found: | QA team |
| Assignee: | Unassigned | Created Date: | 06-Jun-2021 |
| Component: | Supported languages (TS-001) | • | |
| Description: | Initial Setup: 1. Open Liferay Forms in browser Steps: 1. Click on US flag and choose portuguese (BR) flag. 2. Icon flag changed to portuguese (BR) flag. 3. Verify the site content (texts). 4. Click on calendar icon in date birth field. 5. Verify the calendar menu texts. Expected Results: All site content (texts) is in portuguese (BR) including texts in the calendar menu. Actual Results: The texts below are not translated to portuguese (BR) in the form: 1. Let's party rock. 2. Indicates Required Fields 3. All months and days of week in the calendar menu. Test case ID: TC-002 | | |
| Attachments: | Esté é um Liferay Forms E aqui temos a descrição do nosso forms Está é a primeira página de nosso form Let's party rock 1 * Indicates Required Fields 2 Qual é o seu nome? * João Porque você ingressou na área de testes? * Test 2 | S. | Qual é a data do seu nascimento? * June |



| ID: CR-002 | Scroll down and up on the drop down year menu is not available. | | | |
|--------------|---|-------------------------|-------------|--|
| Severity: | Critical | Issue Type: | Defect | |
| Reporter: | Fernando Benbassat | Team Found: | QA team | |
| Assignee: | Unassigned | Created Date: | 06-Jun-2021 | |
| Component: | Calendar menu (<u>TS-003</u>) | | | |
| Description: | Initial Setup: 1. Open Liferay Forms in browser Steps: 1. Click on calendar icon in date birth field. 2. A calendar with all the days of the current month is displayed. 3. Click on year field in calendar menu. 4. A drop down menu should be displayed with some years. 5. Scroll down and up on the drop down year menu. 6. More years should be displayed in drop down year menu. Expected Results: Scroll down and up on the drop down year menu to see more years. Actual Results: Scroll down and up on the drop down year menu is not available. Test case ID: TC-008 | | | |
| Attachments: | 13 14 1 2024 2025 | > S 5 12 19 26 3 | bmit | |



| ID: CR-003 | No error message is displayed when the "What's your name" field is filled with only numbers. | | |
|--------------|--|---------------|-------------|
| Severity: | Minor | Issue Type: | Defect |
| Reporter: | Fernando Benbassat | Team Found: | QA team |
| Assignee: | Unassigned | Created Date: | 06-Jun-2021 |
| Component: | Form submission (TS-006) | | |
| Description: | Form submission (TS-006) Initial Setup: 1. Open Liferay Forms in browser. Steps: 1. Fill the "What's your name" field with only numbers. 2. Fill the other fields with correct simple data. 3. Click on "Submit" button. Expected Results: A message error "Invalid data" is displayed and the form should not be submitted. Actual Results: No error message for invalid data in the "Why did you join the testing area?" field is displayed and the form is submitted. | | |
| Attachments: | N/A | | |

| ID: CR-004 | No error message is displayed when the "Why did you join the testing area?" field is filled with only numbers. | | | |
|--------------|--|---------------|-------------|--|
| Severity: | Minor | Issue Type: | Defect | |
| Reporter: | Fernando Benbassat | Team Found: | QA team | |
| Assignee: | Unassigned | Created Date: | 06-Jun-2021 | |
| Component: | Form submission (<u>TS-006</u>) | | | |
| Description: | Initial Setup: 1. Open Liferay Forms in browser. Steps: 1. Fill the "What's your name" field with only numbers. 2. Fill the other fields with correct simple data. 3. Click on "Submit" button. Expected Results: A message error "Invalid data" is displayed and the form should not be submitted. Actual Results: No error message for invalid data in the "Why did you join the testing area?" field is displayed and the form is submitted. | | | |



| | Test case ID: TC-014 |
|--------------|----------------------|
| Attachments: | N/A |

| ID: CR-005 | No error message is displayed when the "What is your name" field is filled with only special characters. | | |
|--------------|--|---------------------------|----------------------------|
| Severity: | Minor | Issue Type: | Defect |
| Reporter: | Fernando Benbassat | Team Found: | QA team |
| Assignee: | Unassigned | Created Date: | 06-Jun-2021 |
| Component: | Form submission (<u>TS-006</u>) | | |
| Description: | Initial Setup: 1. Open Liferay Forms in browser. Steps: 1. Fill the "What's your name" field with 2. Fill the other fields with correct simpl 3. Click on "Submit" button. Expected Results: A message error "Invalid data" is displa Actual Results: No error message for invalid data in the the form is submitted. Test case ID: TC-015 | e data. Iyed and the for | m should not be submitted. |
| Attachments: | N/A | | |

| III), CK-008 | No error message is displayed when the "Why did you join the testing area?" field is filled with only special characters. | | | |
|--------------|---|-------------|---------|--|
| Severity: | Minor Issue Type: Defect | | | |
| Reporter: | Fernando Benbassat | Team Found: | QA team | |
| Assignee: | Unassigned Created Date: 06-Jun-2021 | | | |
| Component: | Form submission (<u>TS-006</u>) | | | |



| | Initial Setup: 1. Open Liferay Forms in browser. |
|--------------|---|
| Description: | Steps: 1. Fill the "Why did you join the testing area?" field with only special characters (e.g. #%\$*&!@(#(!#\$). 2. Fill the other fields with correct simple data. 3. Click on "Submit" button. Expected Results: A message error "Invalid data" is displayed and the form should not be submitted. Actual Results: No error message for invalid data in the "Why did you join the testing area?" field is displayed and the form is submitted. |
| | Test case ID: TC-016 |
| Attachments: | N/A |

| ID: CR-007 | No error message is displayed when the "What is your birth date?" field is filled with incorrect date for the period. | | | |
|--------------|--|----------------------------|----------------------------|--|
| Severity: | Major | Issue Type: | Defect | |
| Reporter: | Fernando Benbassat | Team Found: | QA team | |
| Assignee: | Unassigned | Created Date: | 06-Jun-2021 | |
| Component: | Form submission (<u>TS-006</u>) | | | |
| Description: | Initial Setup: 1. Open Liferay Forms in browser. Steps: 1. Fill in the "What is your birth date?" f 11/11/1111). 2. Fill the other fields with correct simpl 3. Click on "Submit" button. Expected Results: A message error "Invalid date" is displated and the form is submitted. Test case ID: TC-017 | e data. yed and the for | m should not be submitted. | |
| Attachments: | N/A | | | |