

# Exploratory testing session notes for Liferay Forms applications

## 1. Create a Bug Taxonomy

- List common types of faults found in the past projects
  - i. date selector is sensitive for paste, it should, it should only copy option available
  - ii. date selector box is available, but datepicker is there (the field should be blocked, as it allows to pick the date from the future)
  - iii. field validation for different types of data is not correctly adjusted (allowing to introduce numeric values for “name” input, etc.)
  - iv. the cancel button does not clear the form, nor takes us to a different view/ state. it does not have any purpose on the form
  - v. the validation level is not equal for all form versions (i.e. works differently for English language than it does for Spanish)
  - vi. Description field is not character limited
  - vii. mandatory fields, if not filled in, do not impede the sending of the form
  - viii. the same set of data may be sent multiple times, the differentiation between multiple same sets is unknown for a user
  - ix. text fields can receive files or images
  - x. switching between all available form versions is not clear for a user
  - xi. responsiveness of the form
  - xii. when using datepicker, the date does not appear correctly in the date box
  - xiii. Select a leap year and verify the days in February month (datepicker is pretty standard solution, but it is always good to check this)
  - xiv. clear button is not present in the date picker to remove the selected date

- xv. user does not receive any confirmation whether the data set has been sent or not
- xvi. Does key navigation work in the form?

- Analyze the root cause analysis of the problems or faults
  - i. the root cause of the problems is often lack of validation rules in the requirements specification;
- Find the risks and develop ideas to test the application
  - i. we need to know that the data set is actually processed. At this stage of testing we can check it by observing any change on the screen (after introducing the data and sending it by click (or ENTER key) we need to see a change on the screen (preferably change of view and/or a modal window appearance).
  - ii. Are special characters processed correctly in the form for PT(BR) language?
  - iii. Can I copy the data from the fields?
  - iv. Can I paste the data into the text fields?
  - v. Is the validation level the same for both PT(BR) and EN form?

## **2. Test Charter**

1. Test Charter should suggest
  - a. what to test
  - b. how it can be tested
  - c. What needs to be looked
2. Test ideas are the starting point of exploration testing
3. Test charter helps determine how the end user could use the system

## **3. Time Box**

- This method includes a pair of testers working together not less than 90 minutes
- There should not be any interrupted time in those 90 minutes session
- Timebox can be extended or reduced by 45 minutes
- This session encourages testers to react on the response from the system and prepare for the correct outcome

#### 4. Review Results:

- Evaluation of the defects - detecting defects
- Learning from the testing - finding out the possible acceptance criteria or the doubt points to consult with Test Manager, Product Manager or Product Owner
- Analysis of coverage areas

## 5. Debriefing:

- Compilation of the output results
- Compare the results with the charter
- Check whether any additional testing is needed

Template of the traceability matrix to fill in.

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