

# Senior QA Engineer

Testing Exercise

# Introduction

Thank you for your interest in a Quality Assurance career with Liferay. As part of our application process, please complete the following testing exercise to the best of your ability. Unless alternative arrangements have been made with your local recruiter, we expect applicants to return results within three days of receiving this exercise. Late delivery of results may negatively impact your assessment score.

## Deliverables

Send the recruiter a link to a public Github repo containing the following:

1. Test plan
2. Bug reports
3. Test Strategy
4. Test report
5. 2 automated tests and supporting files

# Testing Exercise

The technical Exercise for Senior QA Engineer is broken into 3 parts: Test Planning / Reporting, Automated Testing, Bug Reporting.

## Test Planning

Visit <https://www.saucedemo.com> to design a test plan and test report to record your findings. Use the various users available on the homepage.

## Assessment

In this exercise we will assess the following:

1. Your ability to demonstrate effective test planning and test report design
2. Your ability to utilize a diversity of relevant testing approaches to test an application

3. Your ability to identify or infer the relevant use cases (and related test cases) for an application with or without related documentation for the application
4. Your ability to prioritize and categorize test cases
5. Your ability to set and adhere to standards

## Automated Testing

Design two automated tests using Selenium / Selenium WebDriver in Java that you would use as an acceptance test for the test website. Use the user *standard\_user* and password *secret\_sauce*.

Commit your tests/changes/documentation to a public Github project.

### Assessment

In this exercise we will assess the following:

1. Your ability to identify acceptance level tests
2. Your ability to identify and use proper locators
3. Your ability to assert the right outcome
4. Your tests should run as deterministically as possible
5. Your ability to use Github and commit changes in logical blocks

## Test Strategy

Create a Test Strategy document that should also explain the strategy used to develop your automation.

### Assessment

In this exercise we will assess the following:

1. Your ability to design an effective coverage strategy and what will be covered in automation
2. Your ability to design a strategy around how these automation tests will be run

## Bug Reporting

There are bugs within the test website. Use the user *problem\_user* and password *secret\_sauce*. As you design and execute test cases, document bug reports, and identify failing test cases on your test report.

## Assessment

In this exercise we will assess the following:

1. Your ability to use correct grammar, spelling, and punctuation
2. Your ability to demonstrate knowledge about bug reporting standards
3. Your ability to provide clear and concise steps to reproduce

## Test report

Design a Test Report to consolidate the testing that was executed against the Forms application.

## Assessment

In this exercise we will assess the following:

1. Your knowledge of risk assessment
2. Your ability to conduct a release sign-off with justification
3. Your ability to present a visualization of the health of the feature in a clear and concise way
4. Your knowledge of reporting test results