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Testing with Katalon Studio

2 days to Boost Your Testing Efficiency with Comprehensive Automation

FA-0444 · 2 days

DevOps, Cloud & Infrastructure

Introduction

Welcome to the "Katalon Testing" training course! This two-day program is designed to introduce you to the Katalon Studio, a powerful tool for automated testing of web, API, mobile, and desktop applications. By the end of this course, you will be equipped with the skills to effectively use Katalon Studio for your testing needs.

Learning outcomes

By the end of this course, you will be able to:

- Understand the basics of Katalon Studio and its interface.
- Create and execute automated test cases for web, API, mobile, and desktop applications.
- Utilize built-in and custom keywords for test automation.
- Integrate Katalon Studio with CI/CD tools.
- Generate and interpret test reports and analytics.

Prerequisites

Before attending this course, you should have:

- Basic understanding of software testing concepts.
- Basic knowledge of web, API, mobile, or desktop application functionalities.
- A laptop with internet connectivity and the ability to install software.

Training outline

1. Introduction to Katalon Studio:

1. Overview of Katalon Studio.
2. Installing Katalon Studio.
3. Understanding the Katalon Studio interface and workspace.

2. Creating Your First Test Case:

1. Setting up a new project.
2. Recording and playing back a simple test case.
3. Modifying test steps and assertions.

3. Web Testing with Katalon:

1. Introduction to web testing.
2. Creating web test cases using the recorder.
3. Adding verification points and assertions.
4. Running and debugging web test cases.

4. API Testing with Katalon:

1. Introduction to API testing.
2. Creating API test cases (REST and SOAP).
3. Adding assertions for API responses.
4. Running and verifying API test cases.

5. Mobile Testing with Katalon:

1. Introduction to mobile testing.
2. Setting up mobile test environments (Android and iOS).
3. Creating and executing mobile test cases.
4. Debugging mobile tests and handling mobile-specific challenges.

6. Desktop Testing with Katalon:

1. Introduction to desktop application testing.

2. Creating desktop test cases.
3. Running and debugging desktop tests.

7. Advanced Test Case Management:

1. Organizing test cases into test suites.
2. Creating and managing test suite collections.
3. Using data-driven testing to enhance test coverage.

8. Using Built-in and Custom Keywords:

1. Overview of built-in keywords.
2. Creating custom keywords.
3. Incorporating custom keywords into test cases.

9. Integration with CI/CD Tools:

1. Introduction to CI/CD and its importance.
2. Integrating Katalon Studio with Jenkins, Bamboo, and Azure DevOps.
3. Setting up automated test execution in CI/CD pipelines.

10. Reporting and Analytics:

1. Generating test execution reports.
2. Using Katalon Analytics for deeper insights.
3. Exporting and sharing test results.

This training course is designed to be hands-on and interactive, ensuring that you not only learn theoretical concepts but also apply them in practical scenarios. By the end of these two days, you will be proficient in using Katalon Studio for automated testing, from creating simple test cases to integrating with CI/CD pipelines and generating insightful reports.

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