

FULL STACK



Automation Testing

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Reports Using TestNG



A Day in the Life of an Automation Test Engineer

In the previous lesson, John had learned API assertions and types of assertions.

He must now comprehend how TestNG reports, HTML reports, and XML reports can be used to find test cases and project status. While XML stores and transmits data, HTML only displays data and describes the structure of a webpage.

To achieve the above, he will learn about TestNG reports, HTML and XML reports, and the ReportNg in this lesson.



Learning Objectives

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

- Describe TestNG reports
- Analyze default HTML and XML report
- Describe ReportNg



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Introduction to Reports

TestNG Reports

TestNG Reports are the standard HTML reports that are generated when TestNG is used to execute test cases.

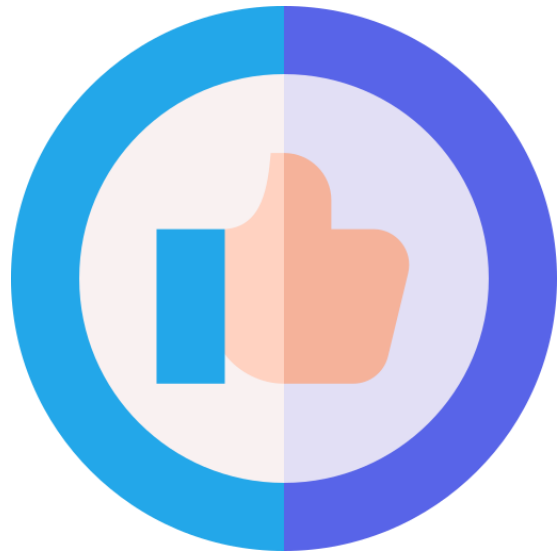


These reports assist users in locating information about test cases and project status.



TestNG Reports

TestNG reports in Selenium have three methods: `passTest`, `skipTest`, and `failTest` to check the data about test cases.



TestNG: Default HTML and XML Report

Default Report

TestNG generates multiple reports as part of its test execution by default.

- 01 TestNG HTML report
- 02 TestNG emailable report
- 03 TestNG report XML
- 04 JUnit report XML files



Default HTML and XML Report

The report is generated by default in the **testoutput** folder, but it can be configured to go to any other folder.



These reports are made up of HTML and XML reports that are specific to TestNG.



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TestNG: Default HTML Report

Default HTML Report

HTML reports are a set of tags that unify the formatting of a disjointed web resource, such as text, animation, sounds, tables, and links.



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Reports Using ReportNG

Reports Using ReportNG

ReportNG is a simple HTML reporting plug-in for the TestNG unit-testing framework.

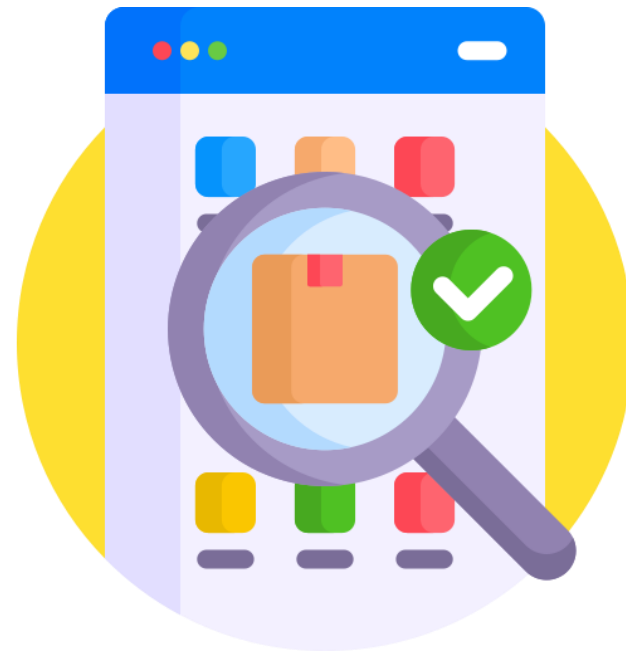


It is intended as a replacement for the default TestNG HTML report.



Reports Using ReportNG

ReportNG generates 100 percent valid XHTML 1.0 files. Users can customise the output by overriding the default stylesheet with their own CSS file.



Generate ReportNG Reports

To create a ReportNG HTML report, follow the steps below:

Step 1

Download and add required Jar files in project's build path

Step 2

Disable the default listeners of TestNG

Step 3

Add ReportNG listeners to **testng.xml** file

Step 4

Execute the test and review the ReportNG reports



Key Takeaways

- TestNG reports helps to identify the information about test cases and the status of a project.
- Set the value of the property `useDefaultListeners` to false while the tests are running to disable the default report generation.
- The ReportNG report is simple to create, and the documentation it generates is clear and easy to understand.
- The listeners are automatically added to any test execution and generate various HTML and XML reports.

