Chapter 9:
Summary of TestNG

Introduction

Hello and Welcome To Chapter 9, Summary of TestNG, Test Next Generation. In this chapter, I will summarize the previous chapters 1 – 8 plus discuss a few concepts that were not covered in this course.

Review Previous Chapters

In Chapter 1, Introduction To TestNG, we discussed What Is A Test Framework and What Separates TestNG From Other Frameworks. A Test Framework is a design for writing and running Test Scripts. The ability to perform so many types of testing separates TestNG from other Test Frameworks.

In Chapter 2, How To Install TestNG, we discussed the IDE's that are compatible with TestNG, the Build Tools such as Ant and Maven, the Command Line which can be used for TestNG, and the downloadable JARs.

In Chapter 3, TestNG Annotations, we discussed the Configuration Annotations and the Execution Flow of the TestNG Annotations. The Configuration Annotations start with @Before and @After which are Pre and Post Conditions for the Test Method.

In Chapter 4, Priority Attribute, we discussed the Default Execution Order For Test Methods and how the Priority Attribute helps sort our Test Methods.

In Chapter 5, TestNG Assertions, we discussed Hard Asserts and Soft Asserts. A Hard Assert stops execution after a failure and moves to the next annotation while a Soft Assert continues execution after a failure and moves to the next statement line.

In my opinion, the remaining chapter 6, 7, and 8 are important features that makes TestNG the most powerful Test Framework. Chapter 6 is Dependency Testing where we discussed 3 Attributes. The Depends On Methods attribute, Groups Attribute, and Depends On Groups Attribute.

In Chapter 7, we discussed Data Driven Testing. This type of testing allows us to run 1 Test Script with an unlimited number of data sets using the DataProvider Annotation, dataProvider Attribute, and dataProviderClass Attribute.

In Chapter 8, we discussed Cross Browser Testing. Cross Browser Testing is a form of Data Driven Testing because it can use different data sets from the xml file. The xml file has a parameter tag that contains a name and value that supplies information to the Parameters Annotation. We also discussed different ways to supply test data.

That wraps up Chapters 1 – 8.

Additional Concepts

Here's some additional TestNG concepts that were not covered in this course:

- The ability to disable a Test Method by setting enable to false
- Execute a package at runtime
- Executing TestNG from the Command Prompt
- Provide optional values using the Optional Annotation
- Add Listeners which is a registration for Test Results
- Add Logs
- And the ability to view default reports
- Create custom reports
- Last but not least, multithreading which executes multiple components of a program at the same time and there's more TestNG concepts available to us

Thanks

I want to end by saying Thanks to Angie Jones. She's good, I like her and Thanks to Applitools. They gave me an opportunity to be your instructor for Test Next Generation - TestNG (A Powerful Test Framework).

You can reach me at Rex.Jones@Test4Success.org. I have a social network that provide videos on Selenium, Java, and TestNG. The videos are available on YouTube, LinkedIn, and Facebook.

I am also the author of 6 books that covers programming and automation. Some of the books are getting updated to include videos.

Thank You for watching this course and I Wish You Much Success.