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# Selenium Testing Tools Cookbook - Second Edition



## Synopsis

Over 90 recipes to help you build and run automated tests for your web applications with Selenium WebDriver  
About This Book Learn to leverage the power of Selenium WebDriver with simple examples that illustrate real-world problems and their workarounds  
Explains the testing of mobile applications with Appium for mobile platforms such as iOS and Android  
A pragmatic manual with engaging recipes and attractive screenshots to test your web applications efficiently  
Who This Book Is For This book is intended for software quality assurance/testing professionals, software project managers, or software developers with prior experience in using Selenium and Java to test web-based applications. This book also provides examples for C#, Python and Ruby users.  
What You Will Learn Understand how the locators work and use various locator methods to build reliable tests  
Build reliable and maintainable tests with the Selenium WebDriver API  
Use the PageFactory pattern to build a robust and easy to maintain test framework  
Build data-driven tests and extend Selenium API to implement custom steps and checks  
Integrate and use ATDD/BDD tools such as Cucumber, SpecFlow, Capybara, and Behave with the Selenium WebDriver API  
Set up iPhone/iPad and Android simulators and devices to test your mobile web application with Appium  
Set up Selenium Grid for faster and parallel running of tests, increasing test coverage and reducing test execution time for cross-browser testing  
Build extended Selenium WebDriver tests for additional coverage  
In Detail This book is an incremental guide that will help you learn and use the advanced features of the Selenium toolset including the WebDriver API in various situations to build a reliable test automation. You start off by setting up the test development environment and gain tips on the advanced locator strategy and the effective use of the Selenium WebDriver API. After that, the use of design patterns such as data - driven tests and PageFactory are demonstrated. You will then be familiarised with extending Selenium WebDriver API by implementing custom tasks and setting up your own distributed environment to run tests in parallel for cross-browser testing. Finally, we give you some tips on integrating Selenium WebDriver with other popular tools and testing mobile applications. By the end of this book, you will have learned enough to solve complex testing issues on your own.  
Style and approach This recipe-based guide covers real-life scenarios of testing your web apps with Selenium. Each recipe begins with a short introduction and key concepts along with illustrated examples of use cases, and ends with detailed but informative descriptions of the inner workings of the example.

## Book Information

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There is a proverb "learning by doing " and probably author of "Selenium Testing Tools Cookbook-Second Edition" know it very well and familiar with the area and nature of learning new tools and thats why he has made a collage of great solutions for all your daily Selenium Automation Problems.This books is more spicy and having good blend of mixture that makes it better than first edition of this book. In Second Edition of book all missing area has been included and that has made this edition more buyable for beginner as well as experienced testers and also able to attract those tester who have already read previous edition of this book. This time book has 14 chapter and while previous edition has only 11 chapter and there were two bonus chapters for download but this time both chapters has been included. So lets talk about new addition first Chapter 1, Getting Started, : Are you a beginner and thinking to set up WebDriver on your machines for Java, Ruby, Python or C#(As per your choice of language) then this is very good chapter to help you and let you demonstrate setting up Selenium WebDriver like a expert. So i would say that this chapter has been included for beginners to cross the first hurdle of setting up environment/platform to start with automation in their organisation or in their project.Chapter 12, Integration with Other Tools: Probably this is the most important chapter for all the automation tester because here whole lot of recipes has been talked about continuous integration mainly with Jenkins and along with this there is a good blend of recipes for other open source tools integration with Selenium WebDriver API to give it a good support in areas where Selenium WebDriver has limited scope.

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