



# Learning Selenium Testing Tools - Third Edition

*By Raghavendra Prasad MG*

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**Learning Selenium Testing Tools - Third Edition** By Raghavendra Prasad MG

**Leverage the power of Selenium to build your own real-time test cases from scratch**

## About This Book

- Build automated scripts and develop Test Automation Frameworks using the Selenium WebDriver tool
- Automate tests to ensure error free, quality software
- A comprehensive guide with real-world examples and screenshots to automate browser testing using Selenium

## Who This Book Is For

If you are a software developer with a basic knowledge of testing and are interested in automated testing using Selenium, this is the book for you. No prior knowledge of Selenium is required.

## What You Will Learn

- Understand designing and implementing the automation framework
- Understand and implement AJAX in your web pages
- Set up Selenium WebDriver in both IntelliJ and Eclipse
- Build test suites in Selenium using PageObjects
- Get to know about WebElement handling with Selenium WebDriver
- Install Selenium WebDriver for mobile devices
- Understand and learn testing in Selenium Grid

## In Detail

Web technologies are becoming increasingly complex and there is often a need to test your web applications against a vast number of browsers and platforms, so you need to build highly reliable and maintainable test automation cases. Selenium is one of the most easy to implement and efficient solutions for this.

This book will guide you through designing and implementing the automation framework on Selenium to build advanced automated test cases. You will start with getting acquainted with the Selenium IDE, working with AJAX, and using different methods to locate elements in a web page. You will then move on to using PageObjects, making tests maintainable, using WebDriver with different browsers, and setting up Selenium Grid. You will also be introduced to advanced topics such as working with proxy servers, network intrusions, and more. By the end of the book, you will have the skills to efficiently test your web applications using Selenium. A well-detailed section has been dedicated to teaching you the object-oriented concepts with basics of core Java, which are the pre-requisites for Selenium automation.

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## **Editorial Review**

About the Author

### **Raghavendra Prasad MG**

Raghavendra Prasad MG is basically an electronics and communication engineer from the University of Mysore and did his MBA from VMU. He is currently working as an automation architect and a QA lead at Riversand Global Technologies. He has been into test automation for more than 8 years. He is an automation tools and automation framework design trainer as well. He has trained at least 500 professionals so far. In his past experience, he worked as a corporate trainer on automation tools and automation framework design. His previous experiences include Life Technologies (now Thermo Fischer Scientific Company), GT Nexus Software, MphasiS (an HP Company), Thomson-Reuters Inc., Telelogic (now IBM-Rational), Aztecsoft (now Mindtree Consulting Ltd), and many more. He worked as a freelancer for automation and automation framework implementation. He implemented various automation frameworks for more than 30 projects, starting from zero level on applications of multiple domains such as, ERP, CRM, ELM, financial domain, automobile, insurance and pension (on legacy systems), healthcare, biotechnology, cloud supply chain platform, and Master Data Management (MDM). Raghu is especially well known for enabling the manual (or functional) tester towards automation. His experience in this area has become a key point for this book. Raghu has built his own tools on API automation, BI automation, and performance. Raghu won an award for being the best performer in the keyword test automation framework design and implementation at GTNexus. He also won an Individual Summit award for Data Driven Test Automation Framework design and implementation at MphasiS, an HP Company for GM (General Motors, a supply chain project). Raghu won an Excellence in Execution award at Telelogic, an IBM Company. He is passionate about test automation. You can reach him at his LinkedIn account, <https://in.linkedin.com/pub/raghavendra-prasad-mg/4/538/264>.

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