

# Selenium Testing Tools Cookbook Packt

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## MARISA GREGORY

*Advanced UFT 12 for Test Engineers Cookbook* Packt Publishing Ltd

Chef Infrastructure Automation Cookbook contains practical recipes on everything you will need to automate your infrastructure using Chef. The book is packed with illustrated code examples to automate your server and cloud infrastructure. The book first shows you the simplest way to achieve a certain task. Then it explains every step in detail, so that you can build your knowledge about how things work. Eventually, the book shows you additional things to consider for each approach. That way, you can learn step-by-step and build profound knowledge on how to go about your configuration management automation. This book is for system engineers and administrators who have a fundamental understanding of information management systems and infrastructure. It helps if you've already played around with Chef; however, the book covers all the important topics you will need to know. If you don't want to dig through a whole book before you can get started, this book is for you, as it features a set of independent recipes you can try out immediately.

**IoT Penetration Testing Cookbook** Packt Publishing Ltd

This is a cookbook packed with code examples and step-by-step instructions to ease your learning curve. This book is intended for software quality assurance/testing professionals, software project managers, or software developers with prior experience in using Selenium and Java for testing web-based applications. This book also provides examples for C#, Python, and Ruby users.

*Selenium 1.0 Testing Tools Beginner's Guide* Packt Publishing Ltd

Quickly learn how to automate unit testing of Python 3 code with Python 3 automation libraries, such as doctest, unittest, nose, nose2, and pytest. This book explores the important concepts in software testing and their implementation in Python 3 and shows you how to automate, organize, and execute unit tests for this language. This knowledge is often acquired by reading source code, manuals, and posting questions on community forums, which tends to be a slow and painful process. Python Unit Test Automation will allow you to quickly ramp up your understanding of unit test libraries for Python 3 through the practical use of code examples and exercises. All of which makes this book a great resource for software developers and testers who want to get started with unit test automation in Python 3 and compare the differences with Python 2. This short work is your must-have quick start guide to mastering the essential concepts of software testing in Python. What You'll Learn: Essential concepts in software testing Various test automation libraries for Python, such as doctest, unittest, nose, nose2, and pytest Test-driven development and best practices for test automation in Python Code examples and exercises Who This Book Is For: Python developers, software testers, open source enthusiasts, and contributors to the Python community

*pytest Quick Start Guide* Packt Publishing Ltd

Get More from your Network with Automation tools to increase its effectiveness. About This Book Get started with network automation (and different automation tasks) with relevant use cases Apply software design principles such as Continuous Integration and DevOps to your network toolkit Guides you through some best practices in automation Who This Book Is For If you are a network engineer looking for an extensive guide to help you automate and manage your network efficiently, then this book is for you. What You Will Learn Get the detailed analysis of Network automation Trigger automations through available data factors Improve data center robustness and security through specific access and data digging Get an Access to APIs from Excel for dynamic reporting Set up a communication with SSH-based devices using netmiko Make full use of practical use cases and best practices to get accustomed with the various aspects of network automation In Detail Network automation is the use of IT controls to supervise and carry out every-day network management functions. It plays a key role in network virtualization technologies and network functions. The book starts by providing an introduction to network automation, SDN, and its applications, which include integrating DevOps tools to automate the network efficiently. It then guides you through different network automation tasks and covers various data digging and reporting methodologies such as IPv6 migration, DC relocations, and interface parsing, all the while retaining security and improving data center robustness. The book then moves on to the use of Python and the management of SSH keys for machine-to-machine (M2M) communication, all followed by practical use cases. The book also covers the importance of Ansible for network automation including best practices in automation, ways to test automated networks using different tools, and other important techniques. By the end of the book, you will be well acquainted with the various aspects of network automation. Style and approach A clear, concise, and straightforward book that will enable you to automate networks and improve performance.

**Julia 1.0 Programming Cookbook** Springer

This book is intended for business and development personnel who want to use Cucumber for behavior-driven development and test automation. Readers with some familiarity with Cucumber will find this book of most benefit. Since the main objective of this book is to create test automation frameworks, previous experience in automation will be helpful.

*Automated Testing in Microsoft Dynamics 365 Business Central* Packt Publishing Ltd

This book is for intermediate Solr Developers who are willing to learn and implement Pro-level practices, techniques, and solutions. This edition will specifically appeal to developers who wish to quickly get to grips with the changes and new features of Apache Solr 5.

*Learning Python Web Penetration Testing* Packt Publishing Ltd

A comprehensive guide to gaining a 360-degree overview of the VBA programming language and learning how to build your own programs for automating routine tasks Key Features Extend the

capabilities of Excel and other Office applications with the help of Microsoft VBA. Take your Excel programming skills to the next level by creating custom applications with dialog boxes and the range object. Automate repetitive and monotonous office work with VBA. Excel programming. Book Description Visual Basic for Applications (VBA) is a programming language developed by Microsoft to automate tasks in MS Office applications. This book will help you to focus on the essential aspects of your role by automating mundane tasks in Excel and other Office applications. With comprehensive coverage of VBA delivered in the form of practice problems and bite-sized recipes, this book will help you to hit the ground running. Unlike most books that assume prior programming experience, this book starts with the fundamentals and gradually progresses to solving bigger problems. You'll start by becoming familiar with VBA so that you can start recording macros right away. With this foundation in place, you'll advance to using the full capabilities of the language as you apply loops, functions, and custom dialog boxes to design your own automation programs. You'll also get to grips with embedded macros and other advanced tools to enhance productivity and explore topics relating to app performance and security.

Throughout this VBA book, you'll cover multiple practice projects in Excel, Word, and PowerPoint while exploring tips and best practices to hone your skills. By the end of this book, you'll have developed the skills you need to use VBA to create your own programs that control MS Office applications. What you will learn Understand the VBA programming language's role in the context of the MS Office suite Discover various aspects of VBA programming such as its terminology, syntax, procedures, functions, and forms Investigate the elements, features, and characteristics of the VBA Editor to write and edit custom scripts Automate Excel sheets with the help of ranges Explore error handling and debugging techniques to catch bugs in your programs Create and use custom dialog boxes to collect data from users Customize and extend Office apps such as Excel, PowerPoint, and Word Who this book is for This book is for experienced Excel users, business analysts, finance professionals, and business users looking to boost their productivity by learning VBA programming to automate repetitive, tedious, or complex tasks. No prior programming experience is required to get started with this book.

**Selenium WebDriver 3 Practical Guide** Packt Publishing Ltd  
How do you approach teaching English in the contemporary classroom? What is expected of a would-be English teacher? The fourth edition of this best-selling text combines theory and practice to present an indispensable introduction to the opportunities and challenges of teaching English in the secondary classroom. It offers insight into the history, policies and definitions surrounding the subject, together with innovative and practical strategies which can be used for effective teaching and learning. Already a major text for many university teacher education courses, the new edition reflects the extent and impact of current reforms whilst retaining its focus on what is of enduring value for English teaching. With an emphasis on developing your own values and on stimulating approaches that underpin English teaching, it will help you navigate your way through changing curriculum requirements, assessment practice and the demands of professional development. Key topics explored include: Reading, writing and speaking and listening Teaching language and grammar Drama in English teaching Poetry Working with digital technologies Post-16 English language and literature Developing as a critically reflective practitioner. Written particularly with the new and student teacher in mind, Learning to Teach English in the Secondary School aims to equip readers with the tools to make critically informed judgements about how

to teach, develop principled practice and most importantly, be mindful of pupils and their experience of English in the secondary classroom.

**Learn Selenium** Packt Publishing Ltd

Get a firm grip on the core processes including browser automation, web scraping, Word, Excel, and GUI automation with Python 3.8 and higher Key Features Automate integral business processes such as report generation, email marketing, and lead generation Explore automated code testing and Python's growth in data science and AI automation in three new chapters Understand techniques to extract information and generate appealing graphs, and reports with Matplotlib Book Description In this updated and extended version of Python Automation Cookbook, each chapter now comprises the newest recipes and is revised to align with Python 3.8 and higher. The book includes three new chapters that focus on using Python for test automation, machine learning projects, and for working with messy data. This edition will enable you to develop a sharp understanding of the fundamentals required to automate business processes through real-world tasks, such as developing your first web scraping application, analyzing information to generate spreadsheet reports with graphs, and communicating with automatically generated emails. Once you grasp the basics, you will acquire the practical knowledge to create stunning graphs and charts using Matplotlib, generate rich graphics with relevant information, automate marketing campaigns, build machine learning projects, and execute debugging techniques. By the end of this book, you will be proficient in identifying monotonous tasks and resolving process inefficiencies to produce superior and reliable systems. What you will learn Learn data wrangling with Python and Pandas for your data science and AI projects Automate tasks such as text classification, email filtering, and web scraping with Python Use Matplotlib to generate a variety of stunning graphs, charts, and maps Automate a range of report generation tasks, from sending SMS and email campaigns to creating templates, adding images in Word, and even encrypting PDFs Master web scraping and web crawling of popular file formats and directories with tools like BeautifulSoup Build cool projects such as a Telegram bot for your marketing campaign, a reader from a news RSS feed, and a machine learning model to classify emails to the correct department based on their content Create fire-and-forget automation tasks by writing cron jobs, log files, and regexes with Python scripting Who this book is for Python Automation Cookbook - Second Edition is for developers, data enthusiasts or anyone who wants to automate monotonous manual tasks related to business processes such as finance, sales, and HR, among others. Working knowledge of Python is all you need to get started with this book.

**Practical Security Automation and Testing** Packt Publishing Ltd  
Orchestrate your cloud infrastructure Key Features Recipe-based approach to install and configure cloud resources using Ansible Covers various cloud-related modules and their functionalities Includes deployment of a sample application to the cloud resources that we create Learn the best possible way to manage and automate your cloud infrastructure Book Description Ansible has a large collection of inbuilt modules to manage various cloud resources. The book begins with the concepts needed to safeguard your credentials and explain how you interact with cloud providers to manage resources. Each chapter begins with an introduction and prerequisites to use the right modules to manage a given cloud provider. Learn about Amazon Web Services, Google Cloud, Microsoft Azure, and other providers. Each chapter shows you how to create basic computing resources, which you can then use to deploy an application. Finally, you will be able to deploy a sample application to

demonstrate various usage patterns and utilities of resources. What you will learn Use Ansible Vault to protect secrets Understand how Ansible modules interact with cloud providers to manage resources Build cloud-based resources for your application Create resources beyond simple virtual machines Write tasks that can be reused to create resources multiple times Work with self-hosted clouds such as OpenStack and Docker Deploy a multi-tier application on various cloud providers Who this book is for If you are a system administrator, infrastructure engineer, or a DevOps engineer who wants to obtain practical knowledge about Ansible and its cloud deliverables, then this book is for you. Recipes in this book are designed for people who would like to manage their cloud infrastructures efficiently using Ansible, which is regarded as one of the best tools for cloud management and automation.

**Web Development with Django** Packt Publishing Ltd Selenium WebDriver is an automation tool used by software developers to test the web applications. In this book you will gain a deep understanding of Selenium as a test tool and learn series of strategies that will help you create reliable and extensible test frameworks. Also focus on Java WebDriver API and learn to run tests on multiple browsers.

**Continuous Delivery for Mobile with fastlane** Packt Publishing Ltd

Harness the power of SQL Server 2017 Integration Services to build your data integration solutions with ease About This Book Acquaint yourself with all the newly introduced features in SQL Server 2017 Integration Services Program and extend your packages to enhance their functionality This detailed, step-by-step guide covers everything you need to develop efficient data integration and data transformation solutions for your organization Who This Book Is For This book is ideal for software engineers, DW/ETL architects, and ETL developers who need to create a new, or enhance an existing, ETL implementation with SQL Server 2017 Integration Services. This book would also be good for individuals who develop ETL solutions that use SSIS and are keen to learn the new features and capabilities in SSIS 2017. What You Will Learn Understand the key components of an ETL solution using SQL Server 2016-2017 Integration Services Design the architecture of a modern ETL solution Have a good knowledge of the new capabilities and features added to Integration Services Implement ETL solutions using Integration Services for both on-premises and Azure data Improve the performance and scalability of an ETL solution Enhance the ETL solution using a custom framework Be able to work on the ETL solution with many other developers and have common design paradigms or techniques Effectively use scripting to solve complex data issues In Detail SQL Server Integration Services is a tool that facilitates data extraction, consolidation, and loading options (ETL), SQL Server coding enhancements, data warehousing, and customizations. With the help of the recipes in this book, you'll gain complete hands-on experience of SSIS 2017 as well as the 2016 new features, design and development improvements including SCD, Tuning, and Customizations. At the start, you'll learn to install and set up SSIS as well other SQL Server resources to make optimal use of this Business Intelligence tools. We'll begin by taking you through the new features in SSIS 2016/2017 and implementing the necessary features to get a modern scalable ETL solution that fits the modern data warehouse. Through the course of chapters, you will learn how to design and build SSIS data warehouses packages using SQL Server Data Tools. Additionally, you'll learn to develop SSIS packages designed to maintain a data warehouse using the Data Flow and other control flow tasks. You'll also be demonstrated many recipes on cleansing data and how to get the

end result after applying different transformations. Some real-world scenarios that you might face are also covered and how to handle various issues that you might face when designing your packages. At the end of this book, you'll get to know all the key concepts to perform data integration and transformation. You'll have explored on-premises Big Data integration processes to create a classic data warehouse, and will know how to extend the toolbox with custom tasks and transforms. Style and approach This cookbook follows a problem-solution approach and tackles all kinds of data integration scenarios by using the capabilities of SQL Server 2016 Integration Services. This book is well supplemented with screenshots, tips, and tricks. Each recipe focuses on a particular task and is written in a very easy-to-follow manner.

**Python Penetration Testing Cookbook** Packt Publishing Ltd

Whether you are an experienced WebDriver developer or someone who was newly assigned a task to create automated tests, this book is for you. Since the ideas and concepts are described in simple terms, no previous experience in computer coding or programming is required.

**Practical Amazon EC2, SQS, Kinesis, and S3** Packt Publishing Ltd

Provide solutions to all your Amazon EC2, SQS, Kinesis, and S3 problems, including implementation using the AWS Management Console, AWS CLI, and AWS SDK (Java). You'll find recipes on implementation and configuration of Amazon EC2, SQS, Kinesis, and S3 along with the code snippets and AWS CLI commands. Practical Amazon EC2, SQS, Kinesis, and S3 uses focused examples that include only the details you need to get things done. You'll see production use cases of Amazon EC2, SQS, Kinesis, and S3 and how to implement cloud watch in projects for these services. Learn how to raise an alarm on Amazon EC2, SQS, Kinesis, and S3 as part of a continuous monitoring system designed to increase performance and avoid side effects in your services. What You'll Learn Manage Amazon EC2, SQS, Kinesis, and S3 using the AWS Management Console Use the AWS CLI Employ the AWS Java SDK Configure alarms on Amazon EC2, SQS, Kinesis, and S3 Who This Book Is For Software developers and architects, system engineers, and project managers

**VBA Automation for Excel 2019 Cookbook** Packt Publishing Ltd

Learn continuous deployment and automation with code-signing, continuous testing, building, deploying, and releasing of your app. Key Features A practical guide on automating your mobile development pipeline with Fastlane, Jenkins, and Slack. Build, test, run and deploy your mobile application release with this end to end guide. Implement Continuous Integration, delivery, and deployment practices to optimize your application development workflow for faster and efficient release builds. Book Description Competitive mobile apps depend strongly on the development team's ability to deliver successful releases, consistently and often. Although continuous integration took a more mainstream priority among the development industry, companies are starting to realize the importance of continuity beyond integration and testing. This book starts off with a brief introduction to fastlane—a robust command-line tool that enables iOS and Android developers to automate their releasing workflow. The book then explores and guides you through all of its features and utilities; it provides the reader a comprehensive understanding of the tool and how to implement them. Themes include setting up and managing your certificates and provisioning and push notification profiles; automating the creation of apps and managing the app metadata on iTunes Connect and the Apple Developer Portal; and building, distributing and publishing your apps to the App Store. You will also learn how to automate the

generation of localized screenshots and mesh your continuous delivery workflow into a continuous integration workflow for a more robust setup. By the end of the book, you will gain substantial knowledge on delivering bug free, developer-independent, and stable application release cycle. What you will learn Harness the fastlane tools for the Continuous Deployment strategy Integrate Continuous Deployment with existing Continuous Integration. Automate upload of screenshots across all device screen-sizes Manage push notifications, provisioning profiles, and code-signing certificates Orchestrate automated build and deployments of new versions of your app Regulate your TestFlight users and on-board new testers Who this book is for This book is intended for mobile developers who are keen on incorporating Continuous integration and deployment practices in their workflow.

#### **Rules and Reasoning** Packt Publishing Ltd

Your one stop guide to automating infrastructure security using DevOps and DevSecOps Key FeaturesSecure and automate techniques to protect web, mobile or cloud servicesAutomate secure code inspection in C++, Java, Python, and JavaScriptIntegrate security testing with automation frameworks like fuzz, BDD, Selenium and Robot FrameworkBook Description Security automation is the automatic handling of software security assessments tasks. This book helps you to build your security automation framework to scan for vulnerabilities without human intervention. This book will teach you to adopt security automation techniques to continuously improve your entire software development and security testing. You will learn to use open source tools and techniques to integrate security testing tools directly into your CI/CD framework. With this book, you will see how to implement security inspection at every layer, such as secure code inspection, fuzz testing, Rest API, privacy, infrastructure security, and web UI testing. With the help of practical examples, this book will teach you to implement the combination of automation and Security in DevOps. You will learn about the integration of security testing results for an overall security status for projects. By the end of this book, you will be confident implementing automation security in all layers of your software development stages and will be able to build your own in-house security automation platform throughout your mobile and cloud releases. What you will learnAutomate secure code inspection with open source tools and effective secure code scanning suggestionsApply security testing tools and automation frameworks to identify security vulnerabilities in web, mobile and cloud servicesIntegrate security testing tools such as OWASP ZAP, NMAP, SSLyze, SQLMap, and OpenSCAPImplement automation testing techniques with Selenium, JMeter, Robot Framework, Gauntlt, BDD, DDT, and Python unittestExecute security testing of a Rest API Implement web application security with open source tools and script templates for CI/CD integrationIntegrate various types of security testing tool results from a single project into one dashboardWho this book is for The book is for software developers, architects, testers and QA engineers who are looking to leverage automated security testing techniques.

#### **Mastering Selenium WebDriver 3.0** Packt Publishing Ltd

Over 80 recipes to master IoT security techniques. About This Book Identify vulnerabilities in IoT device architectures and firmware using software and hardware pentesting techniques Understand radio communication analysis with concepts such as sniffing the air and capturing radio signals A recipe based guide that will teach you to pentest new and unique set of IoT devices. Who This Book Is For This book targets IoT developers, IoT enthusiasts, pentesters, and security professionals who are interested in learning about IoT security. Prior knowledge of basic

pentesting would be beneficial. What You Will Learn Set up an IoT pentesting lab Explore various threat modeling concepts Exhibit the ability to analyze and exploit firmware vulnerabilities Demonstrate the automation of application binary analysis for iOS and Android using MobSF Set up a Burp Suite and use it for web app testing Identify UART and JTAG pinouts, solder headers, and hardware debugging Get solutions to common wireless protocols Explore the mobile security and firmware best practices Master various advanced IoT exploitation techniques and security automation In Detail IoT is an upcoming trend in the IT industry today; there are a lot of IoT devices on the market, but there is a minimal understanding of how to safeguard them. If you are a security enthusiast or pentester, this book will help you understand how to exploit and secure IoT devices. This book follows a recipe-based approach, giving you practical experience in securing upcoming smart devices. It starts with practical recipes on how to analyze IoT device architectures and identify vulnerabilities. Then, it focuses on enhancing your pentesting skill set, teaching you how to exploit a vulnerable IoT device, along with identifying vulnerabilities in IoT device firmware. Next, this book teaches you how to secure embedded devices and exploit smart devices with hardware techniques. Moving forward, this book reveals advanced hardware pentesting techniques, along with software-defined, radio-based IoT pentesting with Zigbee and Z-Wave. Finally, this book also covers how to use new and unique pentesting techniques for different IoT devices, along with smart devices connected to the cloud. By the end of this book, you will have a fair understanding of how to use different pentesting techniques to exploit and secure various IoT devices. Style and approach This recipe-based book will teach you how to use advanced IoT exploitation and security automation.

#### **Selenium Testing Tools Cookbook** Packt Publishing Ltd

This book constitutes the proceedings of the International Joint Conference on Rules and Reasoning, RuleML+RR 2017, held in London, UK, during July 2017. This is the first conference of a new series, joining the efforts of two existing conference series, namely "RuleML" (International Web Rule Symposium) and "RR" (Web Reasoning and Rule Systems). The 16 regular papers presented together with 2 keynote abstracts were carefully reviewed and selected from 29 submissions. The RR conference series has been a forum for discussion and dissemination of new results on all topics concerning Web Reasoning and Rule Systems, with an emphasis on rule-based approaches and languages. The RuleML conference series has been devoted to disseminating research, applications, languages and standards for rule technologies, with attention to both theoretical and practical developments, to challenging new ideas and industrial applications. Both series of conferences aimed at building bridges between academia and industry in the field of rules and their applications. Therefore, RuleML+RR is expected to become a leading conference for all subjects concerning theoretical advances, novel technologies, and innovative applications about knowledge representation and reasoning with rules. This new joint conference provides a valuable forum for stimulating cooperation and cross-fertilization between the many different communities focused on the research, development and applications of rule-based systems. It provides the possibility to present and discuss applications of rules and reasoning in academia, industry, engineering, business, finance, healthcare and other application areas.

#### **Robot Framework Test Automation** Packt Publishing Ltd

Discover the new features and widely used packages in Julia to solve complex computational problems in your statistical applications. Key FeaturesAddress the core problems of programming in Julia with the most popular packages for

common tasks Tackle issues while working with Databases and Parallel data processing with Julia Explore advanced features such as metaprogramming, functional programming, and user defined types Book Description Julia, with its dynamic nature and high-performance, provides comparatively minimal time for the development of computational models with easy-to-maintain computational code. This book will be your solution-based guide as it will take you through different programming aspects with Julia. Starting with the new features of Julia 1.0, each recipe addresses a specific problem, providing a solution and explaining how it works. You will work with the powerful Julia tools and data structures along with the most popular Julia packages. You will learn to create vectors, handle variables, and work with functions. You will be introduced to various recipes for numerical computing, distributed computing, and achieving high performance. You will see how to optimize data science programs with parallel computing and memory allocation. We will look into more advanced concepts such as metaprogramming and functional programming. Finally, you will learn how to tackle issues while working with databases and data processing, and will learn about on data science problems, data modeling, data analysis, data manipulation, parallel processing, and cloud computing with Julia. By the end of the book, you will have acquired the skills to work more effectively with your data What you will learn Boost your code's performance using Julia's unique features Organize data in to fundamental types of collections: arrays and dictionaries Organize data science processes within Julia and solve related problems Scale Julia computations with cloud computing Write data to IO streams with Julia and handle web transfer Define your own immutable and mutable types Speed up the development process using metaprogramming Who this book is for This book is for developers who would like to enhance their Julia programming skills and would like to get some quick solutions to their common programming problems. Basic Julia programming knowledge is assumed.

*Ansible 2 Cloud Automation Cookbook* Packt Publishing Ltd Learn end-to-end automation testing techniques for web and mobile browsers using Selenium WebDriver, AppiumDriver, Java, and TestNG Key Features Explore the Selenium grid architecture and build your own grid for browser and mobile devices Use

ExtentReports for processing results and SauceLabs for cloud-based test services Unlock the full potential of Selenium to test your web applications. Book Description Selenium WebDriver 3.x is an open source API for testing both browser and mobile applications. With the help of this book, you can build a solid foundation and can easily perform end-to-end testing on web and mobile browsers. You'll begin by being introduced to the Selenium Page Object Model for software development. You'll architect your own framework with a scalable driver class, Java utility classes, and support for third-party tools and plugins. You'll design and build a Selenium grid from scratch to enable the framework to scale and support different browsers, mobile devices, and platforms. You'll strategize and handle a rich web UI using the advanced WebDriver API and learn techniques to handle real-time challenges in WebDriver. You'll perform different types of testing, such as cross-browser testing, load testing, and mobile testing. Finally, you will also be introduced to data-driven testing, using TestNG to create your own automation framework. By the end of this Learning Path, you'll be able to design your own automation testing framework and perform data-driven testing with Selenium WebDriver. This Learning Path includes content from the following Packt products: Selenium WebDriver 3 Practical Guide - Second Edition by Unmesh Gundecha Selenium Framework Design in Data-Driven Testing by Carl Cocchiaro What you will learn Use different mobile and desktop browser platforms with Selenium 3 Use the Actions API for performing various keyboard and mouse actions Design the Selenium Driver Class for local, remote, and third-party grid support Build page object classes with the Selenium Page Object Model Develop data-driven test classes using the TestNG framework Encapsulate data using the JSON protocol Build a Selenium Grid for Remote WebDriver testing Build and use utility classes in synchronization, file I/O, reporting and test listener classes Who this book is for This Learning Path is ideal for software quality assurance/testing professionals, software project managers, or software developers interested in using Selenium for testing their applications. Professionals responsible for designing and building enterprise-based testing frameworks will also find this Learning Path useful. Prior programming experience in Java are TestNG is necessary.