



Mastering Mobile Test Automation

By Feroz Pearl Louis, Gaurav Gupta

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Master the full range of mobile automation and testing techniques to develop customized mobile automation solutions

About This Book

- Design and develop top-notch, efficient, and scalable mobile automation frameworks
- Develop automation solutions quickly and effectively using real, emulated devices and mobile-specific tools
- A comprehensive and resourceful guide to automate mobile applications through user agents, emulators, and simulators

Who This Book Is For

If you want a complete understanding of mobile automation testing and its practical implementation, then this book is for you. Familiarity with the basics of VB Script and Java along with knowledge of basic testing concepts is essential.

What You Will Learn

- Explore and configure the various types of mobile application packages for mobile test automation
- Automate mobile web applications through user agent simulation technique
- Analyze and interpret different types of test automation frameworks with respect to the mobile platform automation
- Implement techniques and set up labs to deliver a sustainable and comprehensive mobile test automation environment
- Automate and test using physical devices as well as emulation and simulation of mobile platforms
- Get in depth understanding of cloud based mobile testing and automation techniques
- Configure, manage, and maintain a mobile automation test suite for optimum productivity and Return on Investment
- Troubleshoot and employ industry best practices in a mobile testing

environment

In Detail

Mobile testing and the cross-platform validation of applications is both a challenging and lucrative area of expertise where organizations aspire to leverage automation.

The book begins by teaching you the basics of mobile testing and automation to help you develop an in-depth understanding of mobile automation concepts and techniques. Moving on, the scalability is put into focus by taking you through learning mobile automation techniques with web browsers and progressing on to emulators and simulators. Helping you get accustomed to physical as well as cloud automation, the book lays a solid foundation for advanced topics that involve optimization and strategizing to deliver state-of-the-art solutions. Leading test automation tools such as UFT (formerly QTP) and Selenium - the leader in open source tools, along with specialized mobile test automation tools such as Experitest SeeTest and Cloud-based mobile automation solutions like Mobile Labs and Perfecto Mobile have been used to explain the concepts. By the end of the book, you will have an in-depth understanding of mobile automation techniques as well as the solutions to various challenges faced.

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Editorial Review

About the Author

Feroz Pearl Louis

Feroz Pearl Louis is an automation architect with over 10 years of extensive experience working with automation tools, such as HP UFT(formerly QTP), Selenium, SOAtest, SoapUI Pro, Cucumber, Watir, Ranorex, SeeTest, Perfecto Mobile, and Mobile Labs. His core expertise is in functional and mobile automation with traditional and nontraditional tools and techniques. He is currently working with the Automation Centre of Excellence of a Fortune 500 IT services company. He leads a team of 40 plus people spread across the entire spectrum of automation services, including functional, SOA, mobile, cross-browser and cross-platform automation, and Agile automation with behavior-driven development methodology. With his extensive design and development experience, he engages with various customer teams to design, implement, and deliver solutions that address their specific pain points. He is a prolific contributor to the automation community on various forums, such as LinkedIn, Quora and SQA Forums, and blogs at ferozlouis.blogspot.com.

Gaurav Gupta

Gaurav Gupta is a dynamic and young IT professional who is engaged in the testing of web and mobile applications. He has worked with various tools and techniques in the broad field of mobile testing. He has extensive experience in both web and mobile test suite design and optimizes various operating systems. He is a versatile tester and is always keen to learn new technologies to keep himself updated. His passion for work makes him stand out among others. Even at a relatively early stage of his career, he is the published author of the book Mastering HTML5 Forms. A graduate in Computer Science, he works with a reputed Fortune 500 IT services company. Gaurav is a native of Chandigarh, India, and currently lives in Pune, India.

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