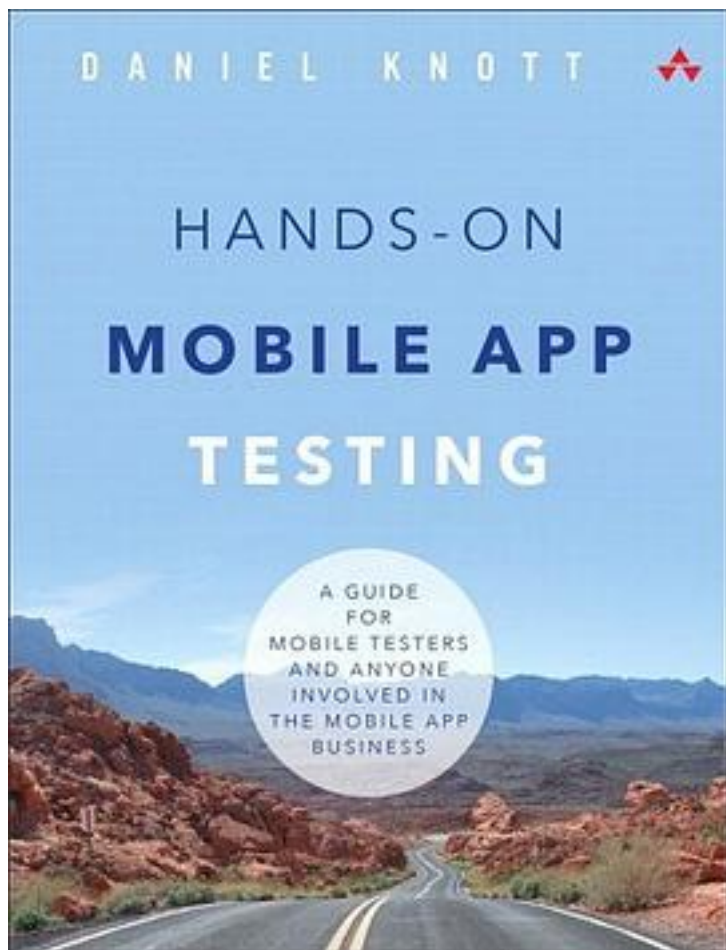# Hands-On Mobile App Testing

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The First Complete Guide to Mobile App Testing and Quality Assurance: Start-to-Finish Testing Solutions for Both Android and iOS

Today, mobile apps must meet rigorous standards of reliability, usability, security, and performance. However, many mobile developers have limited testing experience, and mobile platforms raise new challenges even for long-time testers. Now, Hands-On Mobile App Testing provides the solution: an end-to-end blueprint for thoroughly testing any iOS or Android mobile app.

Reflecting his extensive real-life experience, Daniel Knott offers practical guidance on everything from mobile test planning to automation. He provides expert insights on mobile-centric issues, such as testing sensor inputs, battery usage, and hybrid apps, as well as advice on coping with device and platform fragmentation, and more.

If you want top-quality apps as much as your users do, this guide will help you deliver them. You'll find it invaluable–whether you're part of a large development team or you are the team.

Learn how to

Establish your optimal mobile test and launch strategy

Create tests that reflect your customers, data networks, devices, and business models

Choose and implement the best Android and iOS testing tools

Automate testing while ensuring comprehensive coverage

Master both functional and nonfunctional approaches to testing

Address mobile's rapid release cycles

Test on emulators, simulators, and actual devices

Test native, hybrid, and Web mobile apps

Gain value from crowd and cloud testing (and understand their limitations)

Test database access and local storage

Drive value from testing throughout your app lifecycle

Start testing wearables, connected homes/cars, and Internet of Things devices

作者介绍:

Daniel Knott has worked in software development and testing since 2003. After launching his career as a trainee at IBM, he studied computer science at the University of Applied Sciences in Wiesbaden, Germany, where he quickly developed a passion for testing. He has worked at companies in diverse industries, with responsibility for testing Web, desktop, and mobile applications. He has also developed fully automated testing frameworks for Android, iOS, and Web applications. Knott is a well-known mobile expert, a speaker at conferences throughout Europe, and founder/organizer of two local software testing user groups. He blogs on software quality at adventuresinqa.com.

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