

Mobile Application Testing

Many testers attempt to apply what they know to mobile testing, and while that may work for some functional testing, it often leaves many critical features untested. Critical errors that go untested can mean a swift end to a mobile application. Learning how to identify common issues in mobile applications and how to test the unique aspects of a mobile application is the only way to be truly successful. This two-day course will cover usability across multiple platforms and resolutions, network and security testing, creating application unit tests, mobile UI automation, and performance testing for various devices over various networks and carriers.

- Understand what makes mobile application testing different from standard software testing
- Learn some of the underlying technologies behind mobile devices and how testing is affected
- Explore the different types of mobile applications and how to test for each
- Get hands on experience with different mobile testing tooling, including:
 - Exploratory Testing
 - Testing with Simulators, Emulators, and Physical Devices
 - Service Testing
 - Cloud Emulation Testing
 - Test Automation using Selenium IDE
 - Globalization Testing
- Discover how mobile applications work and different techniques for testing them

As smart devices take a larger portion of the market share, testers will face pressure to test their web applications for mobile devices and potentially test their own organizations native mobile applications. To test mobile devices, in this fast paced, ever-changing industry, testers must learn to deliver quick, extensive, and successful tests on mobile devices.

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some functional testing, it often leaves many critical features untested. Untested, critical faults can mean a swift end to a mobile application in the market. Thus, learning how to identify common issues in mobile applications and how to properly test the unique aspects of a mobile application is the only way to be successful.

Hands-on Exercises

In this workshop you will learn about mobile application testing through hands-on activities, exercises, discussions, and demos. You will explore mobile testing techniques on your mobile device, so a mobile device, smartphone, or tablet is required.

This class will have pre-class instructions that involve downloading certain programs that will be needed for the hands-on exercises. These instructions will be provided to you after your registration is completed. If you have any concerns about the specific programs involved, please feel free to reach out to our [Client Support team](#)^[1].

Who Should Attend

This introductory course is appropriate for both novice and experienced software testers who are new to mobile application testing. Technical support, business analysts, and test managers may also find this course helpful. A background of basic software testing principles is required.

This course also has a 1-day, hands-on companion course that will teach you Test Automation utilizing Selenium IDE and WebDriver for mobile web testing, [Mobile Test Automation Workshop](#)^[2]. Learn more and see course dates, locations, and registration options [here](#)^[2].

ASTQB Mobile Testing Certification

ASTQB's Mobile Tester Certification exam was created using the latest mobile testing standards. The certification is based on the ASTQB Mobile Tester syllabus (body of knowledge) that was created by a group of international experts. SQE Training recommends [Software Tester Certification—Foundation Level](#)^[3] or the CTFL as a prerequisite for those seeking ASTQB Mobile Testing Certification.

Note: The ASTQB Mobile Tester Certification exam fee is an additional \$150 and is not included in the course price. Please contact us regarding exam purchase at clientsupport@techwell.com^[4].

Course Outline:

Introduction to Mobile Testing

What is Mobile Testing?

Why is Mobile Testing Important?

Mobile Testing Techniques

Exploratory testing

Service/API Testing

Device Access

Security Testing

What Do You Need to Know to Be a Good Mobile Tester?

Mobile Application SDLC

Mobile Application Types

Mobile Web

Native Apps

Developer Tools

Unique Mobile Testing Considerations

Mobile Test Strategy and Planning

Mobile Testing Tools

Simulators

Emulators

Cloud Emulators

Remote Data Access

Mobile Testing Scoping

Back-end Testing Internationalization and Localization Testing

Test Automation

Network Testing

Performance Testing

Submission Guidelines Testing

Compatibility Testing

Personas

Risk Management

Exercises

This course includes several hands-on exercises; participants should expect to work on real applications on a smartphone or tablet.

Class Schedule:

Sign-In/Registration 7:30 - 8:30 a.m.

Morning Session 8:30 a.m. - 12:00 p.m.

Lunch 12:00 - 1:00 p.m.

Afternoon Session 1:00 - 5:00 p.m.

Times represent the typical daily schedule. Please confirm your schedule at registration.

Price:

\$1545

Course Fee Includes:

- Tuition
 - Course notebook
 - Continental breakfasts and refreshment breaks
 - Lunches
 - Letter of completion
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