Silk Mobile

Demand for mobile devices is voracious. According to emarketer.com, smartphone users worldwide will surpass 2 Billion in 2016—Mobile users pick up smartphones as they become more affordable, 3G and 4G/LTE networks advance..
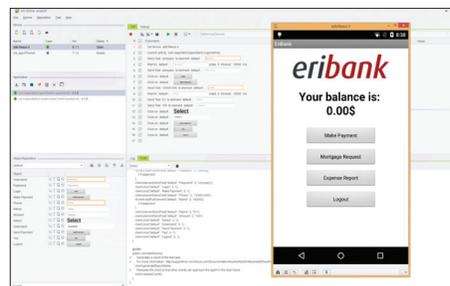
Product Overview

As with any emerging technology, developing and implementing mobile applications poses a number of unique challenges. Mobile applications don't simply mirror desktop applications. They have unique user interface requirements and business process flows that must be taken into account. Before release, mobile applications must be thoroughly tested as the cost of failure can be high.

Micro Focus® Silk Mobile™ has been designed to address these concerns. It enables the creation and running of tests on mobile devices that are connected to a PC with a USB cable or WiFi and emulators.

Silk Mobile enables testing to be performed on real devices, including newly released ones, ensuring that tests represent genuine user experience.

Silk Mobile includes a recorder that enables tests to be created in minutes. Tests can be performed directly from the mobile device and

can visually display what a user may create, playback, and edit. Visual action and verification commands can be used to add logic to the test scripts, without writing a single line of code.

Silk Mobile runs fast, robust and repeatable automation scripts across mobile devices, capturing how users interact. It ensures that tests represent the real end user experience, as Silk Mobile supports multi-touch, swipe, drag & drop, zoom, and scrolling. Not only are you able to execute scripts in sequence, Silk Mobile advanced scripting enables you to execute scripts in parallel across mobile devices.

System Requirements

- Intel i5 or i7 processor
- 1 GB free hard disk space
- 8 GB RAM
- 1 available USB 2.0 port and USB cable
- Microsoft Windows Vista, Windows 7, Windows 8 and Windows 10

Multiple mobile devices can be configured directly to a single test execution machine.

There's no need to jailbreak or root the devices, making it a suitable choice when security is a primary concern. Silk Mobile's extensive support helps perform testing according to needs.
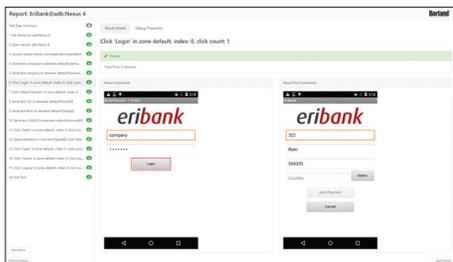
Transform the Way You Test

Silk Mobile is easy to maintain and testers can export test scripts to a choice of IDEs: Silk4J, Silk4Net, JUnit, NUnit, C#, MSTest, VB.Script, UTF (QTP), Ruby, Python or Perl. Silk Mobile can be integrated into a functional/unit test suite, automation framework, or a continuous integration test suite, and apply advanced test script techniques.

What's more, testers are not limited by OS changes. Silk Mobile supports all types of recognition:

- **Native Object Recognition:** native object recognition for Android and iOS. Testers can build fast, robust and repeatable automation scripts that run on multiple devices
- **Dynamic Image Recognition:** sensitivity calibration to changes in images and image identification for dynamic backgrounds
- **Optical Character Recognition:** this engine supports any language including special characters. Extract or query text from any table or device area and input text into components with a simple click

Easy-to-Read Execution Reports

Get visual reports that show exactly what was happening during the test execution. The visual representation makes it easy to troubleshoot and fix problems. For example, a green check for a pass and a red 'x' for an error.

Test Management with Silk Central

Integration with the Silk Central test management solution (**www.borland.com/products/silkcentral/**) delivers control and collaboration of Silk Mobile scripts. Control, plan and execute your advanced mobile test scripts through the Silk Central to deliver complete traceability back to initial requirements.

Key Features

Silk Mobile is designed to provide an easy to use, comprehensive approach to functional testing of mobile devices. With strong native, image, and text based recognition, Silk Mobile ensures robust, repeatable, and maintainable test suites.

Silk Mobile is:

- **Open**—perform advanced test scripting using Borland's Silk4j, Silk4Net, jUnit, nUnit, C#, MSTest, VB.Script, Python or Perl. Tests can run as part of the continuous delivery processes, or test automation suites
- **Agile**—create tests in minutes with the point and click visual interface and by connecting a device via USB or WiFi
- **Enterprise**—execute robust tests on actual devices and virtualized devices
- **Complete**—supports Android, iOS, BlackBerry, Windows Mobile, Symbian, Windows Phone, and HTML5

"We selected Silk Mobile for its easy-to-use interface which meant a fast uptake with our developers, as well as its deployment flexibility across multiple hardware platforms."

JEREMY GOLD
Software Architect
ikeGPS

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