

Innopath automating testing of MDM application on iPhone and Android



Innopath - the mobile device management company

Innopath is the global leader in Mobile Device Management (MDM), a technology that creates a superior user experience by enabling wireless operators to better and more cost effectively manage and deliver revenue-generating services for consumers and enterprises. Automation of their mobile application on Android and iPhone was made simple and quick using SeeTest.

The Challenge

Innopath MDM application needs thorough QA testing . Specifically:

- ✓ Non-native icons and images
- ✓ Create the test once, run on all mobile phones
- ✓ Check Android, iPhone and Blackberry
- ✓ Integrate into existing testing environment

The SeeTest Solution

Innopath implemented SeeTest solution across iPhone and Android:

- ✓ Effective OCR suited for mobile phones
- ✓ Easy test creation with Recorder
- ✓ Same test can run on all mobile OS
- ✓ Detailed reporting with screenshots for quick and effective debugging

Support for Multiple devices of Android

The release of open mobile OS such as Android require a test automation tool that can cater for all Android OS versions as well as all Android device models. Automation with SeeTest not only covers any version of Android OS but also any device size, resolution etc. As such SeeTest provides a complete solution for Android testing with full coverage.

Test recorded on Android can run on iPhone

The ability to record a test on one phone – and then run it not only on different models of the same OS but also on a completely different OS has huge advantage in automation ROI. With SeeTest Innopath recorded tests on Android and the could run them – almost without any changes – on iPhone.

Screenshot-based reporting enables effective mobile debugging

Innopath uses SeeTest not only for functionality testing before product release but also for regular regression testing for the R&D. The efficiency gains are significant especially due to SeeTest's screenshot based reporting that enables to quickly and easily identify the source of any failed test step and correct it in no time. Innopath found that this reporting itself saved huge amount of time that were spent in the past iterating between the manual QA and the mobile R&D teams.

Last but not least: it's easy. To connect. To record.

One of Innopath's main requirements was simplicity of operating the automation tool and quick test creation. The dynamic nature of the mobile market made these two characteristics a must-have criteria for any tool Innopath evaluated. SeeTest's one-click connectivity of any mobile device and the simple recording functionality made automation of Android and iPhone a clear case ROI compared to manual testing or other automation options.

“SeeTest is built for mobile automation. One-click connectivity and built-in mobile features make automation for smartphones straightforward and intuitive.” *Jinlong, Automation Lead Engineer, Innopath*

“SeeTest runs from our existing testing environment – Java. The code export functionality of SeeTest practically enables to extend existing testing frameworks to cover now mobile as well.” *Jinlong, Automation Lead Engineer, Innopath*

About Experitest

Experitest is the developer of the SeeTest Suite – a set of test automation tools for Rich Internet Applications such as Flash, Flex, Silverlight, HTML5, as well as mobile and Green screens. The company has a wide range of fortune 500 companies including Cisco, Marvell, Orange, NYSE, ITCInfotech, BWIN, 888, Mcafee, Checkpoint and more. www.experitest.com