Skute Case Study: Automated Android Regression Testing

The Challenge

The challenge Buitech were set by Skute was to create a robust, repeatable, reusable testing capability to support the ongoing development and live operation of the Skute platform.

Skute is the first physically connected social network. Skute enables you to create your own channel and connect with each other and the world around you.

http://skute.me/

The Skute network uses Near Field Communications (NFC) technology to connect. Any device that can detect NFC will instantly access any content on the Skute. With Skute's awesome sharing tools you're in complete control. You decide who, when, where and for how long someone sees your stuff.

With the Skute app you can:

- View content on any Skute
- Transfer videos, pictures, audio and more from your phone to a Skute
- Set restrictions on the content you share
- Follow Skutes and get instant updates
- Discover new Skutes near you
- Share what you find with others on the network

The Skute Platform was in Beta when Buitech were first engaged. Skute's goal was to get the Skute Platform live in the Google Play Store and attract customers and funding to develop the platform further.

The Buitech Approach

Discovery

Initially Buitech spent time and effort understanding Skute using manual exploratory testing and generating test scenarios to exercise the Skute functionality, this resulted in the discovery, fixing and retesting of a number of bugs which enabled the Skute app to be released in the Google Play Store.

Design and Build

Having understood the Skute functionality Buitech designed and built an automated regression suite which implemented end to end scenarios to allow robust, repeatable, reusable regression testing of every build and every release of Skute.

Steady State

Skute now benefit from an ongoing service, provided by Buitech, to regression test every build and every release of Skute. This enables Skute to make sound business decisions about the quality of their releases and reduces the risk of releasing them to the live Skute platform.

Buitech supports, maintains, updates and runs the automated regression test on behalf of Skute, providing all the results via the Buitech customer portal powered by Microsoft Visual Studio Online.

The Outcome

As a result of the approach taken by Buitech, Skute accelerated their release of the Skute app to the live Google Play Store and have a firm foundation on which to enhance future releases.

"I am absolutely delighted with the Buitech approach. The time and care Buitech took to understand Skute's needs was refreshing. The manual exploratory testing enabled Buitech to flush out some important bugs which were fixed and retested, this enabled us to get Skute live in the Google Play Store. The combination of the manual exploratory testing for new functionality, which is then automated in the regression pack, gives us the confidence to release each new version of Skute to market. Buitech have proven that Test automation doesn't have to be expensive and that it can and does provide a rapid return on investment" – Dan Lewis, CEO Skute.

"Buitech's structured approach to testing enabled the project and development team to concentrate on fixing the high impact bugs and ensured the best possible prioritisation of effort. Working with the team in Vietnam proved highly effective, communication and collaboration was efficient and we used the 6 hour time difference to our advantage" – Dan Griffiths, Co-Founder and Product Development Lead Skute.

In Conclusion

Manual regression testing will cost you more and more with each release of your app, website, application and it will impact on your speed to market.

Buitech's test automation approach, powered by Odin Axe, Selenium and Appium, enables Buitech to rapidly build your automated regression pack and support, maintain and update it for you for every release. Buitech's cost effective delivery model enables us to deliver a high quality test automation service at a price you can afford across Windows, MacOS, iOS and Android devices and browsers.

Get in touch with wyn.devonald@buitech.co.uk for more information and a copy of our very attractive rate card.