

Xoomworks Technology sets up Automation Testing Environment for VU.CITY



Client: VU.CITY
 Size: 11-50 employees
 Project: Set up of an Automation Testing Environment
 Date of delivery: June 2018
 Website: www.vu.city

The interactive 3D digital platform saves time and money for anyone involved in planning development and leads directly to transparent and better decision making.


VU.CITY®

About the project

VU.CITY offers the largest, highly detailed and most accurate fully interactive digital city models, which is continuously updated to provide a revolutionary tool for architects, developers, advisors and the public sector.

Using game engine technology, users can import their own 3D model into VU.CITY to immediately place their proposals in context and test their visual impact, scale and massing instead of the need to rely on physical models and CGIs.

Current cities include London, Manchester, Birmingham, Belfast, Brighton and Paris with future planned growth and investment at home and abroad.

The Challenge

Xoomworks Technology provided a senior QA experienced in C#, .Net frameworks and react.js technologies for manual and automated software quality assurance services in support of software development aims as directed by the local VU.CITY product management and technical leaders.



"The use of virtual reality in the construction industry continues to grow, providing an extremely immersive experience for user and an extremely versatile tool in construction. For real estate developers, designers and architects, this newfound design experience is able to take potential customers and clients on a virtual tour of homes, buildings, skyscrapers and offices – before a project even breaks ground. On a smaller scale, home and office renovations, redesigns and small construction projects can also take advantage of 3D models, to create a more accurate plan of client's demands, established during the pre-construction stage."

- How Virtual Reality Will Change the Construction Industry¹

[1] <http://www.constructionworld.org/virtual-reality-will-change-construction-industry/>

The Solution

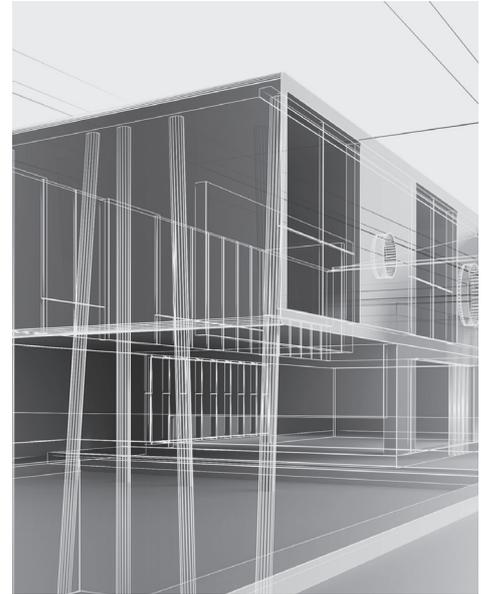
Our Xoomworks Technology Quality Assurance Tester has worked on-site at the VU.CITY offices in London, UK, in between January-June 2018 to set up the automation testing environment from scratch.

Using test-driven software development processes (TDD) that rely on the repetition of a very short development cycle, requirements were turned into specific test cases and the software was improved to pass the new tests, only.

The software uses .Net languages, so aside from manual testing unity tests were created using NUnit. Testing and reporting on isolated changes in a larger code base in real-time was of key importance. Jenkins technologies were used as a CI tool to allow continuous integration, build automation, and to facilitate the technical aspects of continuous delivery.

The Results

Although still in start-up phase, VU.CITY is already being used by local government, public bodies, architects, land owners, developers and property agents across the UK and abroad.



“The QA provided by Xoomworks Technology was instrumental in helping increase our test coverage and ultimately a huge improvement in the reliability and stability of our application. He helped us to fill a critical role (test and QA) whilst we recruited a permanent member of staff and helped lay a solid foundation for delivering quality product moving forward.”

Anthony Jenkins, Head of Technology, VU.CITY

About Xoomworks Technology

Xoomworks Technology helps technology driven companies to solve their software development challenges cost effectively, by providing dedicated teams of near shore skilled resources. We can work directly as part of your team or can take full ownership of the development process. We have strong capability in open source, web, mobile and QA technologies and we have deep expertise in the travel, financial and gaming business sectors.

Interested in finding out more
about Xoomworks Technology?

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