Development
Independent Testing

"An effective way to test code is to exercise it at its natural boundaries" -Brian Kernighan

A software project's success depends on the effectiveness of its pre-delivery tests. Agreed, developers have the upper hand for validating the correct implementation of the requirements, but up to a certain limit. In fact, a developer's point of view is already biased and subjective toward the quality of his own code. **Adopting an independent approach for software testing can guarantee, via formal validation techniques and objective verification, that your software product is fully correct and compliant with the customer's requirements.**

Our consultants can be smoothly integrated in your development team for independent testing during your test phases. Our expertise will provide you the assurance of your product's integrity and quality before the final delivery. Here's a list of some activities that we provide concerning independent validation and verification:

- ♦ **Inspections**
    - ♦ On requirements documentation
    - ♦ On design documentation
    - ♦ Via code review
- ♦ **Analysis and generation of test data**
- ♦ **Structural and functional testing techniques**
- ♦ **Dynamic and static analysis techniques**
- ♦ **Support for unit, integration, system, and user acceptance testing**
- ♦ **Execution of performance, security, load, configuration and scalability tests**

Independent software tests provide you the **confidence** that your software has been **correctly** validated by external specialists. Independent software tests also guarantee you that

- ♦ **Customer's requirements and specifications have not be compromised**
- ♦ **All software components are correct and validated**
- ♦ **All execution paths are executed**
- ♦ **The software respects the functional requirements during program execution**
- ♦ **The software correctly manages input and output data**
- ♦ **The software correctly responds to conditional errors**
- ♦ **The software effectively reacts to extreme overload conditions**
- ♦ **The software is ready to do what it has been designed to do**

Qualibre Technologies consultants are seasoned professionals who have helped many organizations in adopting and managing various testing techniques for their software development teams. Our firm is specialized in integration and improvement of software testing strategies, validation and verification activities, project assessments and training. Our active participation in your team will help you to achieve a standard of higher quality. **Your clients will be surprised by the total quality delivered to them by your software.**

Our knowledge domain in software testing covers various disciplines, such as military, e-commerce, telecommunication, desktop applications, banking applications, insurances and finances, retail, client-server applications and real-time systems.