
QA Automation and Regression Testing Services

We take care of your application integrity – you take care of business.

BENEFITS

- Allows 100% focus on your business - not systems issues
- Predictable testing schedule and a fixed quotation for deliverables
- Automated scripts developed and maintained as part of your total package
- Reduces cost by completing the QA cycle quicker
- Error reports and problems delivered following the completion of each test
- Testing plan for any site according to your requirements
- Custom created manual test cases (written in Excel) available for use without SysIQ support
- Reduces costs of failure by early detection of bugs and issues during testing

With more than a decade of experience with designing and implementing advanced ecommerce solutions, SysIQ works to ensure integrity of your systems so you can make the best use of them. SysIQ QA Automation and Regression Testing services can help whether you are implementing a new functionality to enhance your existing site, fixing known issues, or integrating with internal or third-party applications. SysIQ provides on-demand QA resources and expertise that work closely with your internal IT team on an ongoing basis.

Flexible "plug-and-play" engagement model assures successful outcome - work with us on a project-by-project basis or manage our resources as your own quality assurance team where we continuously work to test your system enhancements, fix bugs, small and medium size projects, and engage with your internal teams on a monthly or bi-weekly software build-release cycle.

Domain Expertise

Ecommerce faces a unique set of challenges and demands which is why SysIQ has focused its domain expertise

on ecommerce specific solutions. Our experience of working with online retailers for more than 10 years has allowed us to develop the specific skills and tools necessary to keep you competitive. At SysIQ we are exclusively focused on Ecommerce, and you can be certain you're getting the knowledge and support targeted towards your business needs.

Regression testing is essential to maintaining an engaging and immersive customer experience on your ecommerce website. It's typical for a small online retailer to update their website several times per year, with many of medium and large online business making changes and site enhancements on continuous bases. Without regression testing your site each time new deployment is done there is no way of ensuring that shoppers are still having the optimal experience you have designed for them. However manual regression testing consumes considerable time and resources. Large projects often cannot be tested manually, at least not without investing great time and effort, time and effort that online retailer simply does not have. The amount of required resources multiplies if the same or similar test cases need to be rerun frequently.

Examples are:

- Regression testing after a bug fix, error correction or feature enhancement
- Testing website on different browsers, platforms or with different configurations
- Data-driven testing (tests of the same actions with many different input values)

Manual testing often does not make good economic sense in such situations. In many typical ecommerce projects there is also not enough time to rerun the test cases to the desired extent. Additionally, integration or some functionality does even provide a "user interface" for testing, so that tests have to be executed on the level of the interfaces that are available. Test automation as a part of functional testing is the best solution in these cases, but this option requires significant knowledge in the area of software development. SysIQ can assist companies with:

- Estimating the cost effectiveness of test automation
- Choosing testing tools
- Creating test frameworks
- Choosing functions for automated tests
- Creating the test cases

SysIQ will reduce testing time and the load on your internal resources with our of proven **Managed Automated Regression Testing** packages.

Automated regression testing ensures high quality of testing, while reduces amount of effort needed for each test iteration. However, creating and updating automated scripts is typically beyond the scope of most projects. Attempts at

automation often fall short of testing requirements because scripts are not kept up to date and the expertise required to maintain them is in short supply.

In order to perform regression testing with the highest level of efficiency it is necessary to minimize manual testing efforts to the greatest degree possible. This means automation is required to carry a considerable portion of the testing load. However automation expertise is rarely available in-house and contracting outside consultants can be prohibitively expensive. Furthermore, the scripts they provide may no longer function properly as your site is updated, leaving your in house team to shoulder the burden of script maintenance.

Managed Automated Regression

Testing from SysIQ allows you to plan for regression testing according to your business requirements. We work with you to determine the optimal portion of your testing load that can be automated and establish an appropriate testing schedule to ensure that your customers receive the best experience possible. SysIQ provides a fixed cost structure that keeps your expenses predictable as well as your site performance. When you need additional testing, our on demand option will make certain that updates to your site are running smoothly whenever you decide to launch them.

Testing Throughout the Project Life Cycle

Throughout the entire project life cycle, we can prepare and run tests designed specifically for your website. This greatly improves the quality of the final product and reduces the risk as a result of increased functional security. SysIQ has experience in the planning and execution of tests at every step along the way - module, integration, system, and acceptance tests. We also do load, performance, and functional tests and employ various test methods, as appropriate to the requirements of each individual project.

Testing Compliance with Quality Criteria

At each testing level, we check your software to make sure it fulfills important quality criteria, including:

- Conformity to specifications
- Completeness and correctness
- Performance, stability, and scalability
- User-friendliness
- Security
- Documentation
- Conformity to standards
- Browser compatibility
- Error tolerance

Testing Support

Many companies have their own departments for testing and quality assurance. SysIQ can assist them in their work through:

- Consulting on test management and design
- Designing tests and managing the testing process
- Executing tests
- Introducing test processes and test tools
- Establishing and expanding QA and testing departments
- Training employees in QA and testing
- Creating test tools

SysIQ runs the tests you require according to an agreed upon schedule and provides comprehensive reports, all backed up by our clearly defined service level agreements. We provide a total package price that ensures you will receive the right level of testing, allowing your in house team to focus on other priorities.

