Evolutyz

Quality Assurance and Software Testing By Evolutyz

Test | Identify | Solve

What does QA and software testing at Evolutyz include?

Our approach to software quality is to keep testing the software to assess it for bugs and glitches, even as the development work goes on. This way, we have a better grip on the functionalities that the software is supposed to deliver, happen without problems.

But it goes beyond that. We like to take a holistic approach and do quality assurance through the entire lifecycle to ensure that the software meets the specifications that have been agreed upon before the development starts.

Our team of software testing and quality assurance experts are trained to start improving the outcomes no matter what stage they start working on it. We use an optimum balance of manual and automatic testing processes to ensure that neither speed nor quality is compromised.

Why do you need software testing and QA from Evolutyz?

Our approach to software testing and QA has always been multi-pronged. We believe in leaving no avenue unexplored. Here are some of the ways we undertake QA and software testing:

1

Black and white box testing

Black box testing does not take into consideration internal system designs but only considers the functionalities and requirements. White box testing, on the other hand, takes the internal logic of the code.

2

Unit testing

This kind of testing involves individual modules or components to assess their performance. This can come in useful when a new module or application is introduced to an existing setup.

3

Integration and incremental integration testing

The integration testing, as the name suggests, involves the examination of the modules after they have been integrated to ensure that the functionalities flow seamlessly. On the other hand, incremental integration testing requires testing every time an application or feature is added in progressive order.

4

Functional and system testing

In functional testing, the focus is only on the final output and not the internal processes. In system testing, the process focuses on the complete system based on the requirements that have been defined.

5

End-to-end testing

This testing is similar to system testing and involves the examination of the entire application environment to mirror the real-world use case.

6

Sanity testing

Sanity testing is undertaken after the software is built to make sure that changes in the code that have been introduced work as they are supposed to.

7

Regression testing

This type of testing involves testing the application for changes in any of the features or modules.

8 **Acceptance testing**

In this version of testing, the objective is to ensure that the software meets the customer requirements and specifications.

9 **Load and stress testing**

With load testing, the process is undertaken to study how the software behaves with load changes, and in stress testing, the idea is to examine how stress affects when it goes beyond the set specifications.

10 **Performance and usability testing**

As the name suggests, performance testing will check if the software performs as required. Usability testing focuses on the navigation and ease of use.

11 **Install and uninstall testing**

In this form of testing, the software is checked to see the partial, complete, or upgrade of the software due to install and uninstall processes in different environments.

12 **Recovery testing**

This testing focuses on how the software recovers after a failure or crash situation to review the next steps.

13 **Security testing**

In today's environment, security testing is an essential part of ensuring that the system is robust enough to sustain any attacks, both internally and externally.

14 **Compatibility testing**

Compatibility testing assesses how the software can perform in a particular setup—network, software, hardware, operating system¬¬—in different combinations.

How do we approach software testing and QA at Evolutyz?

Our approach to software testing is not just on the software quality and assessment alone. We take it beyond that and focus on ensuring that business requirements are met.

Our team takes complete ownership of the project to ensure that your needs are met completely. Our team has not only been trained to be software experts but also to focus on and ensure the satisfaction of users.

We aim to help you reduce operational costs, create repositories of resources for more efficient use of resources with methodologies that are driven by processes.

Managed testing services

When you opt for managed testing services from Evolutyz, our aim is to reduce the risk and complexities across the whole array of software, systems, and applications.
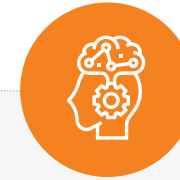
We test related tasks across projects that span the software, system development, and operation cycles. We strive to provide the most competitive pricing along with the high quality of services to ensure the required results.

Test automation consulting

As you must be aware, this form of testing involves the use of other software to test rather than the one being tested. By doing this, we ensure control of the task execution. As a result, you can compare the actual results with the outcomes that had been predicted.

You can leverage test automation to automate some of your vital tasks that are repetitive in nature. Some of the approaches that we take for this includes GUI, Code-driven, and API testing.

Functional testing

This kind of testing is a quality assurance process and falls under black-box testing. We consider the specifications of the software that we are testing to check on the quality of its performance.

The process we follow is by feeding the functions to examine how they perform and then checking the output that comes out. Some of the testing types we provide include sanity, smoke, usability, and regression.

Mobile application testing

Today the whole world carries their world on the mobile, which makes mobile application testing a necessity for most software companies. We check the application software for mobile devices in terms of how easy it is to use, the consistent experience, and the functionalities that it offers.

We do both manual and automatic testing. Some of the methods we use include performance, functional, certification, installation, usability, memory leakage, and interrupt testing methods.

Performance testing

Performance testing from Evolutyz takes the leap beyond the mere identification of bugs and goes on to ensure that performance bottlenecks. We look at the speed of the application and the swiftness with which it responds.

Another aspect that we look at is the scalability of the application to determine the load it can take along with the stability of the performance with load variations.

Web application testing

Another software testing and QA function that Evolutyz specializes in is that of testing of an entire web-based system. We undertake this before the go-live process to ensure that issues can be addressed before the general public starts accessing it.

As part of this type of testing, we look at the compatibility with the browser and the operating system. In some instances, it is essential to check if the application is compatible with Windows. We also test it for web security.

ABOUT EVOLUTYZ CORP

Evolutyz IT Services is your ideal synergy digital transformation partner with the capability and scalability to help our customers globally.

Our simple yet effective motto to keep adding value through technology to all our customers help them stay competitive, leverage their existing IT investments, and adopt new applications to excel in their industry.

At Evolutyz, we offer our customers the necessary products and tools to build and deploy innovative solutions. We enable our customers to adopt newer technologies, enhance employee productivity, and gain more in-depth insight into business performance, thereby increasing ROI while minimizing the TCO.

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