

What is Web Application Testing and Examples of Running It

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In brief

The web testing process ensures a web application performs excellently before being released to the public. It involves looking at various application functionality aspects, like performance, usability, and security.

The web testing process ensures a web application performs excellently before being released to the public. It involves looking at various application functionality aspects, like performance, usability, and security. Having a website is a mandatory step for businesses. However, more than one website must remain relevant in the market, and an organization needs to develop informative and user-friendly platforms. To maintain these features, seeking assistance from automation testing services for web applications can be beneficial. One critical factor when developing a web application is ensuring it's thoroughly tested.

Web Testing, Explained

Web testing is a process conducted to check the technical capabilities of a web application before it is released to public users. Identifying potential problems related to your site's performance and usability is important. Besides, the web testing stage involves checking the different aspects of your website's operation and security, as well as accessibility and traffic handling. So before the website goes live, it can be free from errors, delivering a good user experience.

Running Web Testing Samples

Depending on your software's web testing requirements, you can use several techniques and types. This ensures your system is working properly, readily accepted, and used by users. In addition, the functionality and design of your website are the most critical factors you need to pay attention to when it comes to testing. Here are a few samples of web testing essentials:

Testing of a Website's Functionality

The functionality of a website testing process involves different parameters, including:

- User interface
- API
- Security
- Database
- Server
- Client testing
- Other basic functionalities

Note that functionality testing is a convenient way to check the features of a website. You can perform them automatically and manually, whichever works best for your situation.

Checking all Links

To check all links, you need to ensure that all the links are working properly, and you can determine this using testing. This will help you identify any potential issues that you need or may need to address, and that includes testing the following:

- Internal Links
- Outgoing Links
- Anchor Links
- MailTo Links

Regularly Checking the Website's Form

We highly suggest checking the website's forms regularly to ensure they work properly. Mind you - these are used to compile the information and interact with web users. This step is important for different scenarios, especially for the following instances:

- An error message will be shown when a web user does not fill out a mandatory field.
- Check if the default values in the field are being populated.
- The submitted forms and the data are then sent to a live database.
- The optimal format form makes it easy to read.

Testing Cookies

A website uses cookies to store information about the user's active sessions. In short, it is optional to log in every time they visit. Know that , if the cache has been cleared or the cookies' expiration date has been reached, session cookies are deleted. To test if you need login credentials for the site, remove all cookies and re-examine the login page.

Testing Usability

The approach to usability testing is to identify the weaknesses of a system and improve its overall user experience. So it involves analyzing the different factors affecting your user's computer interaction. The essential factors for usability testing include the following:

- Test for navigation
- Content testing
- Other tools for user information help

Expert Tip: Do not skimp on this part of testing, as it's one of the most important. It can affect a website's overall functionality.

Testing Interface

You must test the server-side interface to ensure the communication is carried out correctly. Additionally, you also need to analyze the compatibility of the systems' different components, which includes:

- Software
- Hardware
- Databases

3 Main Web Interfaces

Application The application test sends requests to the correct database and outputs to the client side correctly. If errors still occur, they should not appear to the administrator but only to the end users.

Web Server The web server testing is not experiencing any service denial while handling all requests.

Database Server The Database Server needs to ensure that the queries sent are appropriately processed.

Final Thoughts

A web application testing process is a practice to ensure that the functionality of a particular web application is properly working. You can accomplish this occasionally or regularly depending on your website's needs. During this procedure, you can find potential problems you must fix immediately before the release or during a specific period. Although there are different kinds of web application testing that you can use to create your website, the example above will help you understand the various aspects of web app testing. Furthermore, when you make a web testing plan for your site, you must include other elements beyond the website's functionality.

References

1. qawerk.com - process / automated-testing - <https://qawerk.com/process/automated-testing/>
2. scientificamerican.com - page / use-of-cookies - <https://www.scientificamerican.com/page/use-of-cookies/>