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Utalization of testing tools

Software testing tools are developed to manage many different types of functional and non-functional tests. Functional tests are designed to determine whether an application delivers all the functionality and features specified in the project requirements. Non-functional testing evaluates the software's performance, usability, reliability, security, and other factors to determine how well it performs and what kind of user experience it offers. There are a number of common software testing tools used by development teams today.

- Test management tools manage many aspects of the testing protocol by tracking activity, analyzing data, managing test cases, executing automated tests, and planning and tracking manual testing.

- Unit testing tools help to ensure that individual modules or units of code work as intended. Unit tests are the

Benefits of software testing tools

Software testing tools offer many benefits for developers, testers, and QA teams.

Higher product quality. Software testing tools help deliver higher quality applications by improving the accuracy of tests, increasing the coverage of code that is tested, accelerating the pace of testing, and delivering feedback to developers earlier in the process.

Improved security. Cybercrime is a substantial threat to organizations large and small, and software vulnerabilities are a significant target for malicious actors. Software testing tools help ensure that applications are free of flaws and

vulnerabilities that can be exploited by
hackers, protecting companies, their users,
Disadvantages of Test Documentation

The cost of the documentation may surpass its
value as it is very time
consuming

- Many times, it is written by people who can't
write well or who don't
know the material
- Keeping track of changes requested by the client
and updating corresponding documents is
tiring. Poor documentation directly reflects
the quality of the product as a
misunderstanding between the client and
the organization can
occur

Summary

Test documentation is documentation of artifacts

created before or during the testing of software.

Testing

Documents

Description

Test policy

It is a high-level document which describes principles, methods and all the important testing goals of the organization.

A high-level document which identifies the Test Levels (types) to be executed for the

Test strategy

project.

Test plan

A test plan is a complete planning document which contains the scope, approach, resources, schedule, etc. of testing activities.

Test Scenario

Test scenario is an item or event of a software system which could be verified by one or more Test cases.

Test case

It is a group of input values, execution preconditions, expected execution postconditions and results. It is developed for a Test Scenario.

Test Data

Test Data is a data which exists before a test is executed. It used to execute the test case.

Best practice to Achieve Test Documentation

- QA team needs to be involved in the initial phase of the project so that Test Documentation is created in parallel Don't just create and leave the document, but update whenever required
- Use version control to manage and track your documents
- Try to document what is needed for you to understand your work and what you will need to produce to your stakeholders . You should use a standard template

for documentation like excel sheet or doc file
Store all your project related documents at a single location. It should be accessible to every team member for reference as well as to update when needed