

SNS COLLEGE OF TECHNOLOGY

Kurumbapalayam (Po), Coimbatore – 641 035

An Autonomous Institution

Accredited by NAAC – UGC with ‘A++’ Grade

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**COURSE NAME: 23ITO201- Software Testing
(OPEN ELECTIVE)**

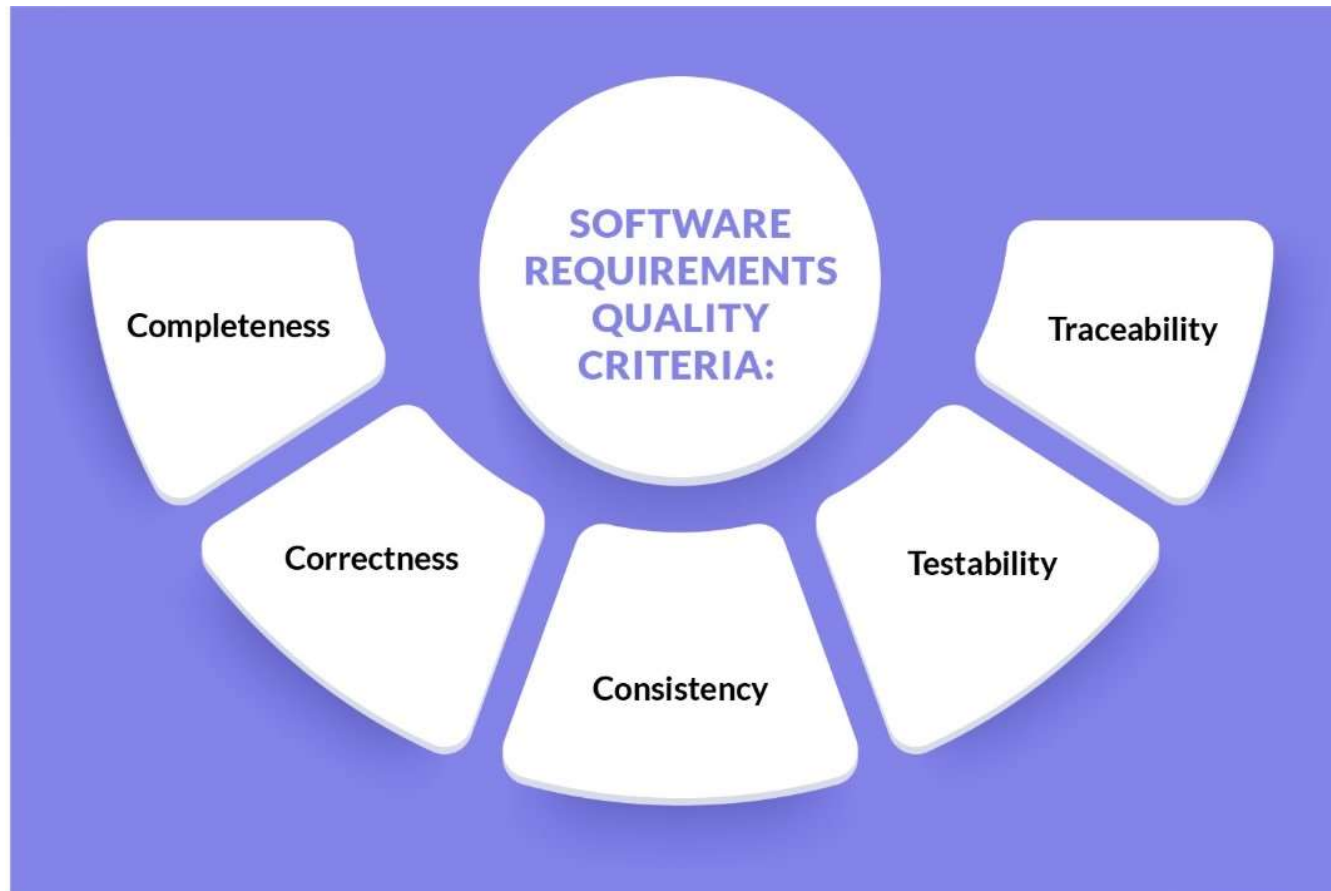
III YEAR / VI SEMESTER

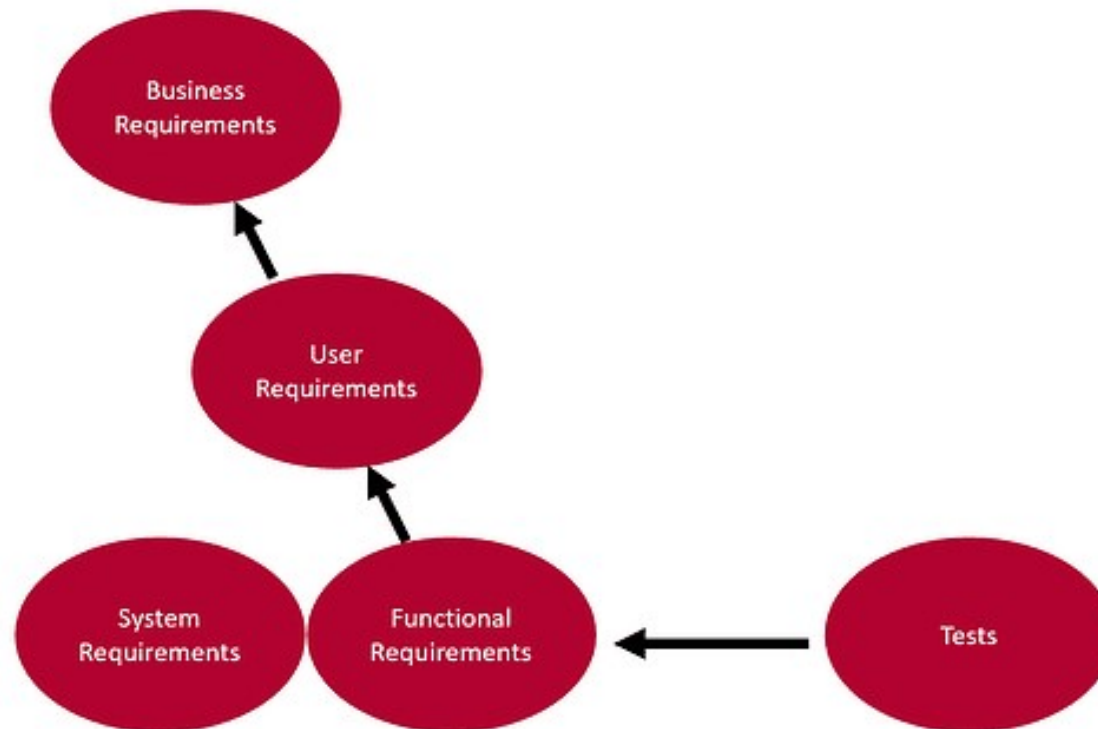
Unit 5 - TEST AUTOMATION

Topic : Requirements for a Test Tool

Empathy



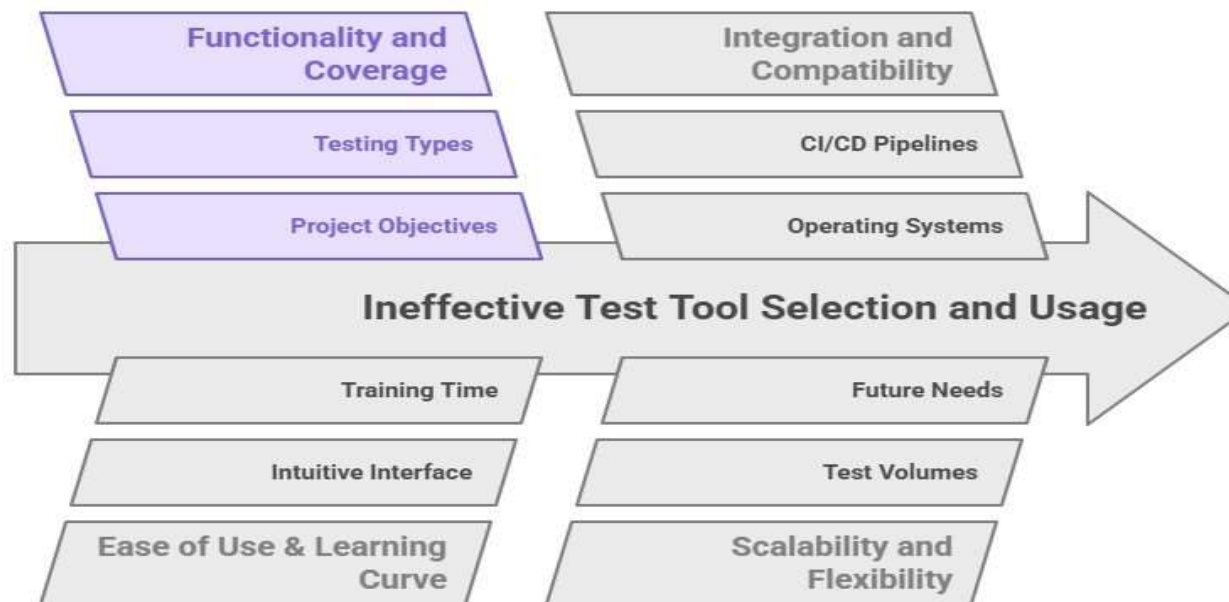




Test Management Tools

- » BrowserStack
- » SpiraTest by Inflectra
- » TestRail
- » XRay - Test Management For Jira
- » Zephyr Scale
- » Zephyr Squad
- » PractiTest
- » TestLink
- » QTest
- » QMetry Test Management
- » Kualitee
- » TestCollab
- » Requirements and Test Management for Jira (RTM)
- » XQual
- » Tuskr
- » TestFlo
- » Qase
- » Testiny
- » Testpad
- » JunoOne

Selecting and Using a Test Tool



Activity

Requirements for a Test Tool

1. Functional Requirements

These define what the test tool **must do**:

- Test case creation and management
- Test execution (manual & automated)
- Result validation and reporting
- Defect/bug tracking integration
- Data-driven testing support
- Reusable test scripts/components
- Support for multiple environments (web, mobile, API)

MCQs on Requirements for a Test Tool

1. Which of the following is a functional requirement of a test tool?

- A) User-friendly interface
- B) Test case execution
- C) Fast performance
- D) Secure login

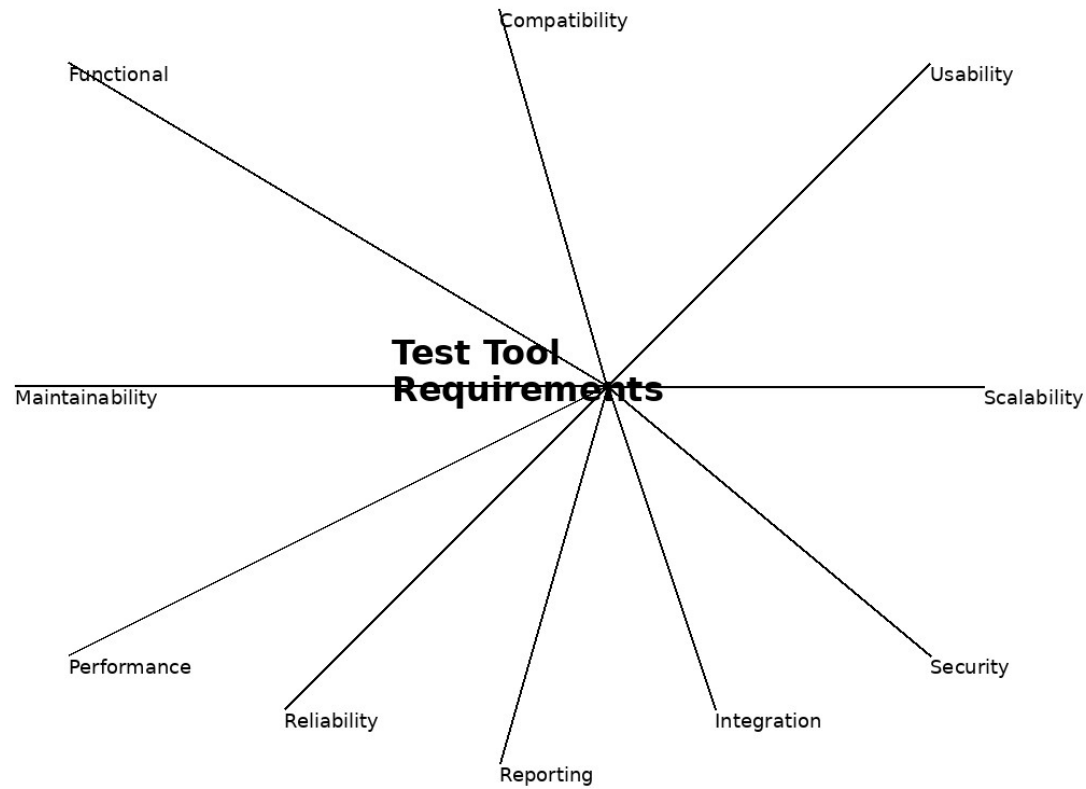
Answer: B) Test case execution

2. Which requirement ensures the tool is easy to use?

- A) Performance
- B) Usability
- C) Security
- D) Reliability

Answer: B) Usability

MINDMAP



TEXT BOOKS	
1.	Srinivasan Desikan and Gopalaswamy Ramesh, —Software Testing – Principles and Practices, Pearson Education, 2006.
REFERENCES	
1.	Ilene Burnstein, —Practical Software Testing, Springer International Edition, 2003
2.	Edward Kit, Software Testing in the Real World – Improving the Process, Pearson Education, 1995
3.	Boris Beizer, Software Testing Techniques – 2nd Edition, Van Nostrand Reinhold, New York, 1990.
4.	Aditya P. Mathur, —Foundations of Software Testing _ Fundamental Algorithms and Techniques, Dorling Kindersley (India) Pvt. Ltd., Pearson Education, 2008.
5.	https://www.geeksforgeeks.org/software-testing/automation-testing-software-testing/

THANK YOU!

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