

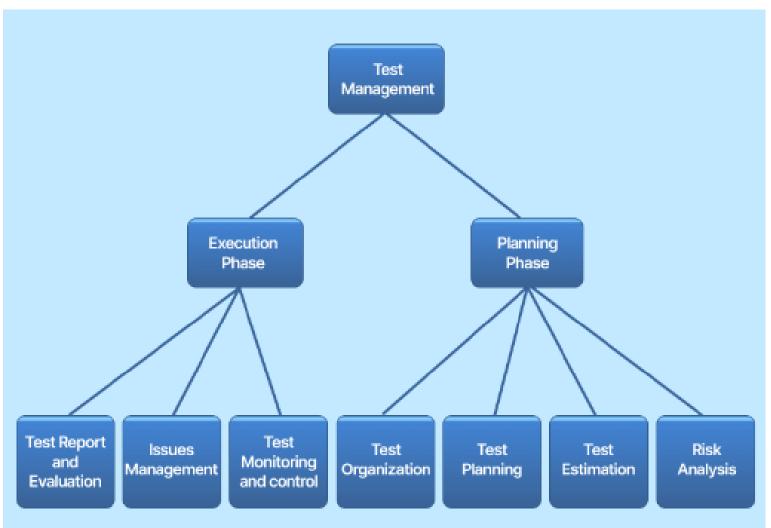
Managing and controlling Test Activities

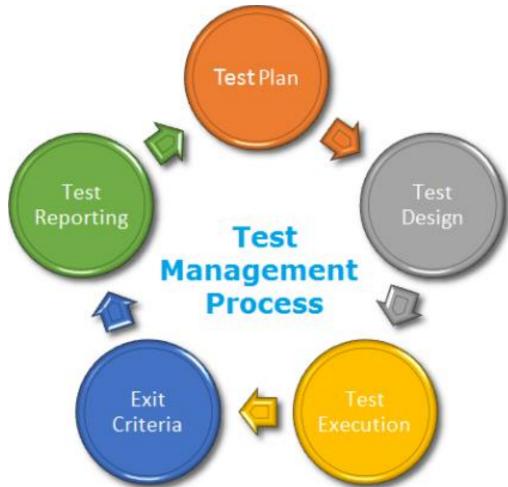
Test Management is the method of organizing, planning, and controlling the testing of a web product or system. It involves activities such as creating a test plan, identifying test cases, executing tests, and reporting results

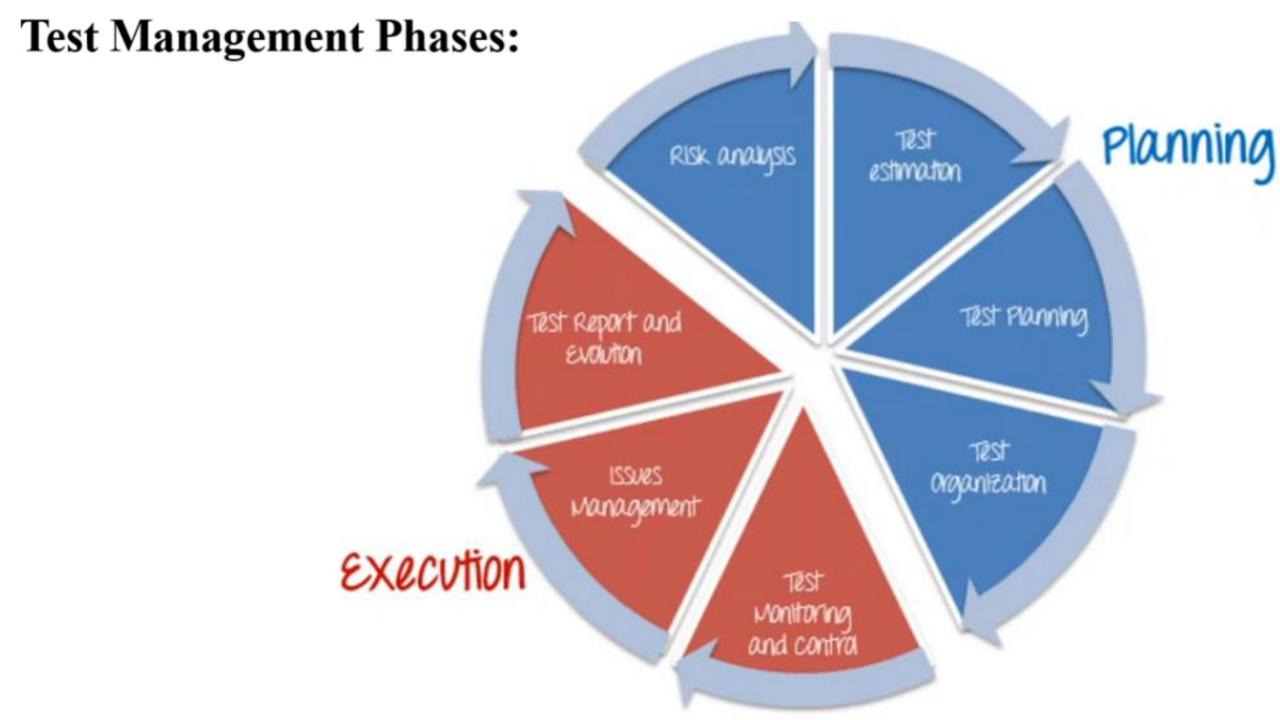
Test Management is the practice of

- Organizing and controlling the Testing process.
- Ensuring visibility, traceability, and control of testing process to deliver high-quality software.

- (i) automatically collecting and organizing test process related data
- (ii) for use in cross-checking data from multiple sources







What is Test Management?

- Building & Leading Testing Team
 - Defining Scope of Testing
 - Planning, Deploying & Managing effort
 - Applying Test Process & Metrics
- Handling Resource & Risks
- Test Reporting & Signoff

Test Management Control

Test Management (Controls all the activities of the testing Cycle)

Test Planning Test Strategy Test Schedule Test Case Test Execution Environment Defect Cycle Test Reports

Why to Manage S/w Testing?



Complex/Unclear Requirements



Not enough time to test



Not enough resources to test



Budget constraints



Multiple stakeholders



Distributed team depndensies

How to Manage S/w Testing?

Create a To-Do List
Estimate Time & Cost
Plan

Assign Resources

Access Risk(s)

Start Execution

Monitor & Adjust

Perform Retrospective

Evaluate

Risk Analysis Test Estimation Test Planning Test Organization Organizing Perfect Team for Testing Phases Test Monitoring and Control O Tracking Project Progress and Controlling Issues Management

Handling the problems Test Report O Assessing Quality, Coverage etc. Test Policy Test Strategy (Approach) Scope Test Documentation Environments Schedule Test Plan Resources, Roles and Responsibilities Deliverables Entry and Exit Criteria Components Risk Analysis and Solution Test Estimation . Test Metrics Test Progress Measurement . Monitoring Metrics in Testing Life Cycle . Tools

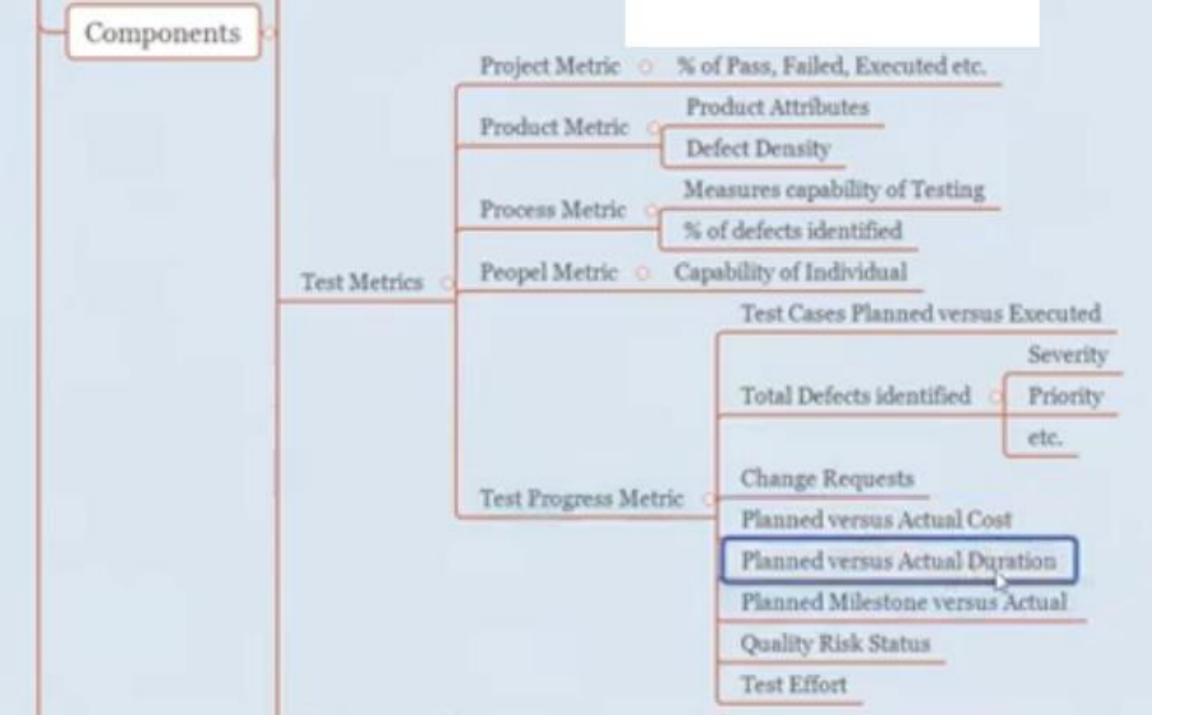
Test Management

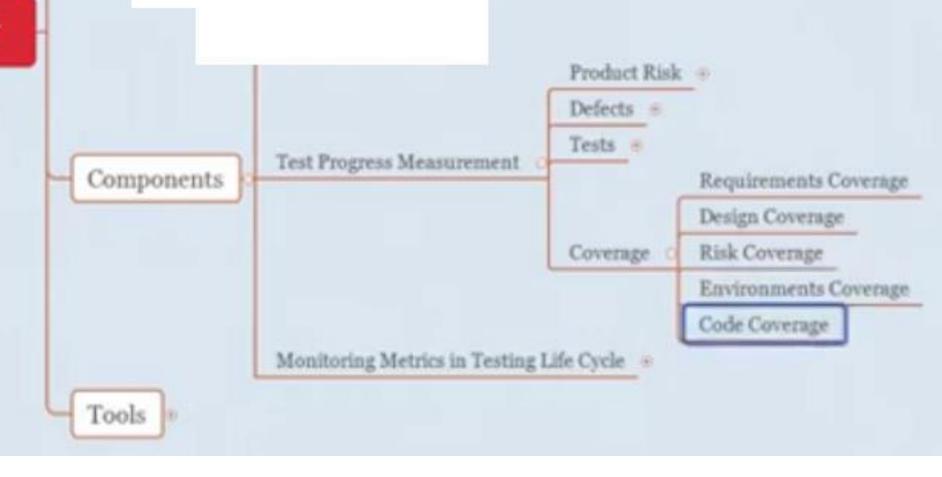
Components Test Estimation | Factors Affecting |

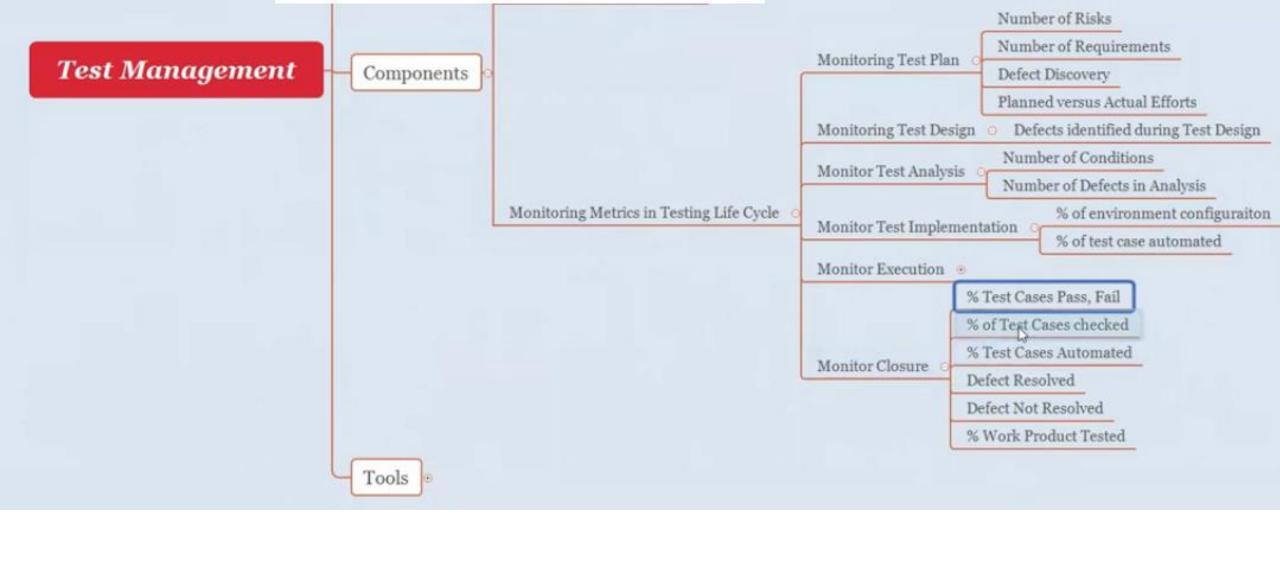
Required Level of Quality Application Size Historical Data **Test Environments** Tools Process Complexity Strategy Training Knowledge Transfer Technology Test Specifications

Test Data

Resources







Zephyr Jira XRay TestRail TestLink Redmine Bugzilla PractiTest qTest VersionOne AnyAUT TestFlow TestLodge Testuff ALM (QC) QAComplete And many more

Tools

- * Create test specification Documents
- * Define "Test Case" work items
- * Link Test Cases for traceability
- * Browse & read Test Runs
- * Run manual tests & log results in EXISTING Test Run
- * Run automated tests in Builds

Role & Responsibilities of Test Manager / Test Lead

- Building up and leading the Testing Team to the success of project
- Defining the scope of testing within the context of each release / delivery
- Deploying and managing resources for testing
- Applying the appropriate test measurements and metrics in the product and the Testing Team
- Planning, deploying and managing the testing effort for any given engagement.

