

Software Testing Methodologies

Software Testing Life Cycles(STLC)

Software testing life cycle -Phases

- Requirements study
- Test Analysis And Planning
- Test Case Design and Development
- Test Execution
- Test Closure
- Test Process Analysis

Requirements study

Testing Cycle starts with the study of client's requirements. Understanding of the requirements is very essential for testing the product

Test Analysis and Planning

- Defining test objective and scope
- Identifying risks and constraints
- Defining test policy and test strategy
- Deciding test approach (technique, test item, coverage etc.)
- Defining entry and exit criteria for testing
- Identifying team and skills involved in testing
- Identifying test resources (e.g. people, test environment, hardware, software etc.)
- Scheduling testing activities

Test Case Design and Development

- Component Identification
- Test Specification Design
- Test Specification Review

Test Execution

- Code Review
- Test execution and evaluation
- Performance and simulation



Test Control

- Measuring and analyzing results
- Monitoring and documenting progress
- Test coverage and exit criteria
- Initiation of corrective actions
- Making decisions



Test Closure Activities

- Checking which planned deliverables have been delivered
- Finalizing and archiving testware
- Handover of testware
- Analyzing lessons learnt

Test Process Analysis

Analysis done on the reports and improving the application's performance by implementing new technology and additional features

Thankyou!

