

Software Testing Tools

- Introduction
- Introduction to software Testing
- Software Development Process
- Project Vs Product
- Objectives of Testing
- Testing Principals

Software Development Life Cycle

SDLC

SDLC Models

- Waterfall Model
- Spiral Model
- V Model
- Prototype Model
- Agile Model (Scrum)
- How to Choose Model for a Project

Software Testing-Methods

- White Box Testing
- Block Box Testing
- Gray Box Testing

Levels of Testing

- Unit Testing
- Structural Testing
- Statement Coverage Testing
- Condition Coverage Testing
- Branch Coverage Testing
- Path Coverage Testing
- Integration Testing
- Big Bang Integration
- Top Down Approach
- Bottom up approach
- Stubs and Drives

Functional Testing System Testing Non Functional Testing

- Compatibility Testing
- Performance Testing
- Load Testing
- Volume Testing
- Stress Testing
- Recovery Testing
- Installation Testing
- Globalization Testing
- I18N
- L10N
- Security Testing
- Usability Testing
- Accessibility Testing

User Acceptance Testing

- Alpha Testing
- Beta Testing

Testing Terminology

- Functional Testing
- End-End Testing
- Ad-hoc Testing
- Risk Based Testing
- Sanity/Smoke Testing
- Re-Testing
- Regression Testing
- Exploratory Testing
- Parallel Testing
- Concurrent Testing

Windows & Web Application Testing

- Check List for Window App Testing
- Check List for Web Application Testing
- Web App Testing Terminology

Software Testing Life Cycle (STLC) Test Strategy Test Planning Test Cases Design

- Error Guessing
- Equivalence Partition
- Boundary Value Analysis

Test Case Authoring

- Functional Test Case
- Review Test Case
- Walkthroughs
- Inspection
- Peer Review
- Traceability Matrix

Build Release Process

- SRN & DD
- Build Deployment
- Project Dev Env (Dev, Test, Prod)

Test Execution Process Defect Reporting & Tracking

- Defect Reporting
- Defect Life Cycle
- Severity, Priority
- Defect Tracking Tools

Test Closure

- Criteria for Test Closure
- Test Summary Reports

Additional

- Introduction to VSS
- Project Metrics
- QA & QC
- ISO & CMM Standards
- Testing Certifications
- Interview Question
- Organization Hierarchy

- Role of Project Team Members
- Test Management using Quality Center

Overview on Test Management Architecture of QC Tool

Site Administrator

- Create Project
- Create Users
- Assign User to Projects
- Monitor Connections & Licenses
Sitescope
- Backup, Restore Projects
- Version Control

Quality Center

- Managing Requirements
- Working with test Plan
- Developing Manual & Automation Tests
- Coverage Analysis/Traceability
- Create Test Cases Running Tests
- Record Results
- Defect Reporting & Tracking
- Integration with QTP
- Test Resources
- Test Linkage
- Defect Linkage

Test Management

- Developing Reports
- Developing Graphs
- Dash Board

Resume Preparation & Placement Assistance