

Manual Software Testing

1. Software Development Life Cycle
 - Software Life Cycle Stages
 - Testing Stage in SDLC
 - Cost of Defect Repair
 - Risk of inadequate testing
2. Software Development Models
 - Waterfall Model
 - Incremental Model
 - Prototype Model
 - Rapid Application Development Model
 - Spiral Model
 - V Model Development
3. Static Testing
 - Review
 - Inspection
 - Walkthroughs
4. Dynamic Testing
 - Unit Testing
 - Integration Testing
 - System Testing
 - User Acceptance Testing
5. Software Testing Life Cycle and Implementation Test Requirements Gathering and Analysis
 - Requirements Reviews
 - Requirements Issues Identification
6. Test Strategy Preparation
7. System Test Plan Preparation
8. Test Case Identification
 - Black Box Test Design Techniques
 - ECP
 - BVA
 - Error Guessing
 - Decision Tables
 - State Transition
 - White Box Testing Techniques
 - Basic Path Testing
 - Condition Testing
 - Code Coverage

9. Test Case Design
 - Introduction
 - Test Case Design Template
 - Types of Test Cases
 - Test Case Design Reviews
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 - What is Defect?
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 - Formal Defect Report Template
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 - Importance of User Acceptance Testing
 - Scope of UAT
 - Alpha Testing
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 - Installation and Uninstallation Testing
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 - Security Testing