

Manual Testing Contents

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Chapter 1: Introduction to Software Testing

- Why is testing necessary?
- What is testing?
- Testing Terminologies
- Economics of Testing
- Role of Manual Tester
- Software Testing Principles
- Introduction to Software Testing Life Cycle STLC

Chapter 2: Testing throughout the software life cycle

- What is Software Development Life Cycle?
- What is SRS, BRS and URS
- Various Software Development models
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- V - Model
- Iterative Life Cycles
- Agile Model
- Spiral Model
- Test Levels
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- Integration Testing
- System Testing

- Acceptance Testing
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Chapter 3: Static Testing VS Dynamic Testing

- Difference between Static and Dynamic Testing
- What is review
- Reviews and the test process
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- Testing Techniques used for Dynamic Testing

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Chapter 4: Test Design Techniques

- Test Case Template
- How to prepare Test Cases
- Test Scenarios
- What is Requirement Traceability Matrix
- Identifying test conditions and designing test cases
- Categories of test design techniques
- Specification-based or black-box techniques
- Boundary Value Analysis
- Decision Table Testing
- Equivalence Partitioning
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- Use Case Testing
- Structure-based or white-box techniques
- Decision Coverage

- Statement Coverage
- Experience-based techniques
- Error Guessing
- Exploratory Testing

Chapter 5: Test Management

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- How to prepare Test Plan
- Test Plans Estimation and strategies
- Test progress monitoring and control
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- Risk and Testing

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Chapter 6: Other Testing Types

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- Volume Testing
- Stress Testing
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- Performance Testing
- Configuration Testing
- Reliability Testing
- Recovery Testing
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- Accessibility Testing

Lesson 7: Severity/Priority

- What is Severity and types of Severity
- What is Priority and types of Priority

Lesson 8: Defect Management

- What is Bug/defect
- Bug/defect Life Cycle
- Introduction to Bug Reporting
- Bug Tracking Tools

Lesson 9: Introduction to Automation Testing

- What is Automation Testing
- Need of Automation
- Manual vs Automation which is better
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