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...Career Through opportunities

MANUAL TESTING

Introduction

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

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
- ✓ Black Box Testing
- ✓ Gray Box Testing

Levels of Testing

Unit Testing

Integration Testing

- ✓ Structural Testing
 - Statement Coverage Testing
 - Condition Coverage Testing
 - Path Coverage Testing



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- Big Bang Integration
- Top down approach
- Bottom up approach
- Stubs and Drivers

System Testing

Functional Testing

Non Functional Testing

- ✓ Compatibility Testing
- ✓ Performance Testing
 - Load Testing
 - Volume Testing
 - Stress Testing
- ✓ Recovery Testing
- ✓ Installation Testing
- ✓ Security Testing
- ✓ Usability Testing
- ✓ Accessibility Testing

What is the difference B/W Performance Load & Stress Testing

User Acceptance Testing

- ✓ Alpha Testing
- ✓ Beta Testing

Testing Terminology

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



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- ✓ Concurrent Testing
- ✓ Globalization Testing
 - I18N
 - L10N

Windows & Web Application Testing

- ✓ Check List for Window App Testing
- ✓ Check List for Web Application Testing
- ✓ Web APP Testing Terminologies

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 of test case
- ✓ Walkthroughs
- ✓ Inspection
- ✓ Peer Review
- ✓ Traceability Matrix

Build Release process

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

Test Execution Process



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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 Questions
- ✓ Organization Hierarchy
- ✓ Role of Proect Team members

Test case management tool:

- ✓ Introduction to test case management tool
- ✓ Test Rail
- ✓ Basics of Test Rail
- ✓ Installation of Test Rail
- ✓ How to write Test cases in Test Rail
- ✓ How to create Test Suites
- ✓ Grouping of Test Cases
- ✓ Conclusion of Test Rail

Bug Reporting Tool:-

- ✓ JIRA
- ✓ Basics of JIRA
- ✓ Purpose of JIRA tool
- ✓ Bugs Reporting
- ✓ Bugs Tracking
- ✓ Filtering Bugs



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- ✓ Project management in JIRA
- ✓ Conclusion