



Quality Assurance Course Content

Introduction

- Testing Concepts
- Why become a QA Tester?
- Roles and Responsibilities of QA Tester
- Characteristics of a Successful Tester
- Why Software Testing is important?
- Client Application Vz Web(Server) Applications
- Birth of a Project
- SDLC-Software Development Life Cycle
- V-Model
- Waterfall, AGILE, RUP etc.
- BRD-Business Requirement Document
- FRD-Functional Requirement Documents
- System Design Specification
- Interview Questions and Mock Interview Preparation
- Home Assignment

Testing Strategy

- How to write a Test Plan?
- Understanding Test Scenarios?
- How to write Test Case?
- How to write Test Scripts?
- Testing Types: Positive and Negative Testing
- Test Summary Report
- Software Testing Life Cycle (STLC)
- Traceability Matrix
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- Types of Testing Methodologies
- Testing Standards
- Test Strategy and Planning
- Sandbox Environment Vz Production Environment
- Test Data and Test Execution
- Test Logs and Reports
- Severity Vs. Priority
- Manual Testing Vs. Automated Testing
- Testing Tools
- Quality Assurance Vz Quality Check
- Interview Questions and Mock Interview Preparation
- Home Assignment



Testing Techniques

- Black Box Testing
- White Box Testing
- Path Testing

Manual Test Cases

- How to write Test Cases using Microsoft Word and Excel?
- How to write Test Cases in HP Quality Center(QC)
- Test Cases on Different Domains

Testing Types

- Unit Test
- Integration Test
- System Test
- Regression Test
- Functionality Test
- Load / Performance Test
- Stress Test
- Compatibility Test
- User Acceptance Test
- Smoke Test
- Sanity Test
- Backend Test
- Security Test
- Browser Compatibility Test
- Automated Testing and Automated Testing Tools
- Interview Questions and Mock Interview Preparation
- Home Assignment

Bug and Defect Reporting Process

- DLC - Defect Life Cycle
- Defect Management
- Defect Tracking
- Understanding Priority and Severity
- Defect Report - Through Microsoft Office or HP Quality Center
- Impact Analysis