

How to Find and Build Test Cases from Requirements

Instructor-Led, Web-Delivered Duration 2 Sessions

Overview

Test cases are situations taken from real life that will put a new or modified information technology solution through its paces. Business test cases should be designed to find existing errors and to increase your confidence in the application's ability to survive the real world of production. The key to a successful suite of test cases is to use a wide variety of methods to discover and consolidate testing scenarios that are most likely to succeed in finding errors (if there are indeed any) in the application. To err is human, to test divine.

This online business analyst testing workshop presents test engineering techniques to identify scenarios to be tested, document the setup criteria, script the execution steps, and establish how to quickly evaluate whether the solution passed or failed the test. You will learn how to use business requirements, stakeholder requirements, solution requirements, transition requirements, use cases, and scenarios to identify and define test cases.

Note: *This instructor-led course delivered in two virtual sessions via the Internet covers the same content as the second day of our 2-day course, "How to Test an Application using Business Requirements" which can be delivered live at your site.*

Target Audience

Business Systems Analysts
End-users responsible for acceptance testing
Project managers
Quality Analysts
Quality Engineers

Test Engineers
Test Managers
Anyone responsible for planning, preparing, and/or managing the business system software testing process.

Learning Objectives

Upon completion of this seminar, you will . . .

- Choose the minimal set of cases to achieve defined testing goals
- Create audience-focused test scripts to maximize repeatability
- Optimize tests using equivalence classes, boundary values, and probable errors
- Evaluate business requirements for testability
- Manage your test execution process effectively and efficiently

Developed and presented by:



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1 Developing Black-Box Tests

Identifying Test Scenarios

- Categories and Types of Requirements
- Testing Functional Requirements
- Testing System Reliability
- Usability Testing
- Performance Testing
- Test Case Identification Methodology
- Diagrams and Testing
- Visible Tools
- Truth Tables

Creating Test Scripts

- Contents of a Test Script
- Audience-Based Scripting
- Exercise: Test Script Creation

Engineering Test Data

- Test Engineering
- Testing Document Structure
- Test Case Documentation
- Engineering Test Data

- Exercise: Set-up Data Engineering
- Execution Data Engineering
- Exercise: Applied Test Data Engineering

Validating Test Cases

- Test Case Completeness Check
- Test Case Validation
- Exercise: Test Documents

2 Test Execution

Executing Acceptance Testing

- Test Execution Activities
- 7 Potential Pitfalls
- Test Setup Checklist
- Exercise: Prime Setup Criteria
- Test Reset Checklist
- Test Environment Components (TEC)
- Capabilities Maturity Model
- Testing Maturity Model
- Exercise: Putting It All Together