Writing Test Cases for Software Requirements

2 Days | Virtual and Face-to-Face

Studies have shown that releasing a defective product into your organization or the external market can be up to 3,000 times more expensive than getting it right the first time! Your business needs to ensure that the product is reliable and provides the expected business value.

This course covers the fundamentals of verifying and validating a software solution. Using a case study, you will practice identifying, developing, and managing test cases. You will also learn to plan for successful testing in all the standard test phases: unit, integration, system, and user acceptance.

Learning Objectives

- Understand the phases of testing
- Learn standard testing terminology
- Identify test ideas from requirements
- Prioritize test ideas using risk analysis
- Generate test ideas for other solution characteristics
- Review standard test documents
- Convert test ideas and equivalence classes into test cases
- Document test cases and test procedures
- Understand Software Quality Assurance
- Define test plans
- Track and manage defects
- Track test case status
- Ensure proper test coverage with traceability matrices

Intended Audience

This course is designed for team members interested in learning to write test cases and plan for software testing.

Prerequisites

We recommend that the students have attended our Essential Skills for Business Analysis course or have equivalent experience.

Learning Topics

Topic
Understanding Test Cases
• Understand the objectives and principles of software testing • Understand the phases of testing • Learn standard testing terminology • Learn to limit possible test cases using boundary value analysis and equivalence classes
Discovering Test Cases
• Identify test ideas from requirements • Prioritize test ideas using risk analysis • Generate test ideas for other solution characteristics
Building Test Cases
• Review standard test documents • Convert test ideas and equivalence classes into test cases • Document test cases and test procedures
Managing Test Cases
• Understand SQA • Define test plans • Track and manage defects • Track test case status • Ensure proper test coverage with traceability matrices
Develop Your Action Plan
• Testing summary • Develop an Action Plan with next steps on the student's current project • Student questions/discussion topics