

ISTQB® - Advanced Level Test Analyst Software Testing

Duration: 2 Days

Description

Quality software is software that is error-free at an acceptable level, can be completed and distributed on time with the planned budget, can meet the requirements or expectations, and has sustainable features.

Testing is the process of verifying that a system meets specified requirements or determining differences between expected and observed results by testing or evaluating a system manually or automatically.

Software testing covers, on the other hand, the dynamically performed verification activities to meet the expected behaviors of software from an infinite number of fields, with a limited number of appropriately selected tests.

This training, which is a continuation of the ISTQB Foundation Level Software Testing - Basic Level Software Testing Specialist training, is intended for participants who want to increase their knowledge in test engineering and improve their performance.

Delegates will learn how to:

- Basics of Software Testing
- Test Management
- Error Management
- Advanced Test Techniques
- Reviews
- Testing Tools and Automation

Who Should Attend

Test Engineers

Quality Assurance Specialists

Business Analysts

System Analysts

Programmers

Software Specialists

Project Managers

Institutional Architecture Specialists

Software Architects

Outline

Basics of Software Testing

- What is Software Testing?
- Why is Testing Necessary?
- Factors affecting the success of the test project
- Software Testing Process
- Tests in the Software Development Cycle

Test Management

- Planning, Monitoring and Control Tests
- Test Process Analysis and Design
- Adaptation and Execution of Test
- Evaluation and Reporting of Test Exit Criteria
- Testing Process Closure Activities
- IEEE 829 Test Documentation

Error Management

- Error Reports Fields
- Categorizing Errors
- Analysis of Root Causes

Advanced Test Techniques

- Risk Based Testing Approach
- Use Case Test Technique
- Equivalence Class Test Technique
- Boundary Value Analysis Test Technique
- Decision Table Test Technique
- Cause and Result Test Technique
- State Transition Test Technique
- Experience-Based Test Techniques
- Error Based Test Techniques
- Usability Tests

Reviews

- Review Techniques (Reviews)
- Use of Checklists
- Static Analysis

Testing Tools and Automation

- Test Design Tools
- Test Data Preparation Tools
- Test Execution Tools

Prerequisites

Having ISTQB® - FOUNDATION LEVEL SOFTWARE TESTING training or ISTQB® - FOUNDATION LEVEL Certificate.