ISTQB® Foundation Level Software Testing

Description

Quality software is software that is error-free at an acceptable level, can be completed and distributed on time with the planned budget, meets requirements and / 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.

Delegates will learn how to:

- Software Testing Basics
- Testing Throughout the Software Life Cycle
- Static Test Techniques
- Test Design Techniques
- Test Management
- Tool Support for Testing

Who Should Attend

Test Engineers

Quality Assurance Specialists

Business Analysts

System Analysts

Programmers

Software Specialists

Project Managers

Institutional Architecture Specialists

Software Architects

Outline

Software Testing Basics

- Why Testing Is Necessary?
- What's the test?
- Seven Testing Principles
- Basic Testing Process
- Psychological Dimension of the Test
- Code of Ethics

Testing Throughout the Software Life Cycle

- Software Development Models
- Test Levels
- Test Types

- Maintenance Tests

Static Test Techniques

- Static Test Techniques and Test Processes
- Review
- Static Analysis Performed with Tools

Test Design Techniques

- Test Design Process
- Test Design Technique Categories
- Specification Based Techniques (Black Box)
- Structure Based Techniques (White Box)
- Techniques Based on Experience
- Selection of Test Techniques

Test Management

- Test Organization
- Planning Tests and Effort Estimates
- Monitoring and Control Test Progress
- Configuration Management
- Risk and Test Relationship
- Error Management

Tool Support for Testing

- Types of Test Tools
- Effective Use of Tools: Potential Benefits and Risks
- Introducing the Tool to the Organization

Prerequisites

There are no prerequisites.