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Course Introduction

The ISTQB Certified Tester Foundation Level course is a three-day course explaining the fundamentals in software testing.

Who Will Benefit?

The course is appropriate for testers, test team leaders, developers, development managers, business analysts, and anyone wishing to gain ISTQB Certified Tester Foundation Level certification.

Prerequisites

None. However, we recommend that delegates wishing to take the Foundation exam have at least six months experience in software testing.

Course Objectives

To provide an understanding of the fundamental principles of testing and explain different testing terminology. The course also provides an overview of different techniques, both dynamic and static and how to apply them.

Skills Gained

- Learn about the differences between the testing levels and targets.
- Know how to apply both black and white box approaches to all levels of testing
- Understand the differences between the various types of review.
- Learn aspects of test planning, estimation, monitoring and control.
- Communicate better through understanding standard definitions of terms.
- Gain knowledge of the different types of testing tools and the best way of implementing those tools

Course Content

Fundamentals of Testing

Explains what testing is, why testing is necessary, general testing principles, fundamental test process, and psychological aspects of testing.

Testing throughout the software lifecycle

Explains the relationship between testing and life cycle development models, including the V-model and iterative development. Outlines four levels of testing:

- Component testing
- Integration testing
- System testing
- Acceptance testing

Describes four test types, the targets of testing:

- functional
- non-functional characteristics
- structural
- change-related

Outlines the role of testing in maintenance.

Static Techniques

Explains the differences between the various types of review, and outlines the characteristics of a formal review. Practices individual review techniques.

Test Design Techniques

This section explains how to identify test conditions and how to design test cases. It also explains the difference between white and black box testing. The following black box techniques are described in some detail with practical exercises:

- Equivalence Partitioning
- Boundary Value Analysis
- Decision Tables
- State Transition testing

In addition, use case testing, white box testing and experience-based testing are described, and advice is given on choosing techniques.

Test Management

This section looks at organisation implications for testing and describes test planning and estimation, test monitoring and control. The relationship of testing and risk is covered, and configuration management and incident management.

Tool Support for Testing

Different types of tool support for testing are outlined. This session also discusses how to use them effectively and how best to introduce a new tool.

The Exam

The Foundation Certificate is awarded to those who pass a written one-hour multiple-choice exam which is set by the ISTQB. Candidates must score 65% or more to pass the exam.

Delegates are provided with Pearson Vue vouchers for scheduling the exam after a three-day public course.

Bookings and Enquiries:
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