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ISTQB Certified Tester: Advanced Level Test Management

Duration: 5 days Live online

Course Overview

ISTQB is the standard for international qualifications in software testing. This advanced course, with exercises and practice questions, fully prepares attendees for the ISTQB Certified Tester Advanced Level Test Management examination. While this course is focused on the syllabus, giving attendees the maximum chance of passing the examination, it also contains many real world examples. Attendees are provided with full supporting notes that address the objectives identified in the ISTQB Syllabus.

Who should attend?

The ISTQB Test Management course will suit anyone involved in aspects of test management such as: test managers, test leads, test leaders, senior testers and Agile testers. Anyone seeking to advance their career into test management will also benefit.

Prerequisites & pre-reading guidelines

Attendees intending to take the ISTQB Certified Tester Advanced Level Test Management examination must hold the Certified Tester Foundation Level v4.0 or previous versions of the Foundation Level certificate and have sufficient practical experience.

How certification is earned

The course and syllabus are accompanied by a three-hour multiple-choice examination featuring variable length questions. In order to achieve certification, delegates must score 65% or higher. This exam is usually held on a separate day, either-proctored online or in-class, but not within the 4 days of the course. Additional time is available under circumstances which make that appropriate, such as sitting the exam as a non-native English speaker.

Course Objectives

On completion of this course, attendees will have a deeper understanding of test principles, risk-based testing, and test management techniques. They will be able to apply those techniques in Agile and traditional project environments.

Context

The ISTQB Certified Tester: Advanced Level Test Management is a follow on to the ISTQB Certified Tester: Foundation Level v4.0 and is ideal for Test Managers and Test Leads. It is also valuable to Agile Testers in self-managing teams.

Related courses

After completing this course attendees may consider taking one or both of the other ISTQB Advanced Level courses:

- ISTQB Certified Tester Advanced Level Test Analyst
- ISTQB Certified Tester Advanced Level Technical Test Analyst

Course Outline

Managing the Test Activities

The Test Process
- Test Planning Activities
- Test Monitoring and Control Activities
- Test Completion Activities

The Context of Testing
- Test Stakeholders
- Importance of Stakeholders' Knowledge in Test Management
- Test Management in a Hybrid Software Development Model
- Test Management Activities for Various Software Development Lifecycle Models
- Test Management Activities at Various Test Levels
- Test Management Activities for Different Test Types
- Test Management Activities to Plan, Monitor, and Control

Risk-Based Testing
- Testing as a Risk Mitigation Activity
- Identification of Quality Risks
- Quality Risk Assessment
- Quality Risk Mitigation Through Appropriate Testing
- Techniques for Risk-Based Testing
- Success Metrics and Difficulties Associated with Risk-Based Testing

The Project Test Strategy
- Choosing a Test Approach
- Analysing the Organizational Test Strategy, Project Context and Other Aspects
- Definition of Test Objectives

Improving the Test Process
- The Test Improvement Process (IDEAL)
- Model-Based Test Process Improvement
- Analytical-Based Test Process Improvement Approach
- Retrospectives

Test Tools
- Good Practices for Tool Introduction
- Technical and Business Aspects for Tool Decisions
- Selection Process Considerations and Return on Investment Evaluation
- Tool Lifecycle
- Tool Metrics

Managing the Product

Test Metrics
- Metrics for Test Management Activities
- Monitoring, Control and Completion
- Test Reporting

Test Estimation
- Estimating What Activities Testing Will Involve
- Factors Which May Influence Test Effort
- Selection of Test Estimation Techniques

Defect Management
- Defect Lifecycle
- Cross-functional Defect Management
- Specifics of Defect Management in Agile Teams
- Defect Management Challenges in Hybrid Software Development
- Defect Report Information
- Defining Process Improvement Actions Using Defect Report Information

Managing the Team

The Test Team
- Typical Skills within Four Areas of Competence
- Analyse Required Test Team Member Skills
- Assessing Test Team Member Skills
- Developing Test Team Member Skills
- Management Skills Required to Manage a Test Team
- Motivating or Demotivating Factors for a Test Team in Certain Situations

Stakeholder Relationships
- Cost of Quality
- Cost-benefit Relationship of Testing

Contact

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