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ISTQB Certified Tester: Advanced Level Test Analyst

Duration: 4 days Live online

Course Overview

ISTQB (International Software Testing Qualifications Board) is the standard for international qualifications in software testing at an advanced level. This course, with its large number of practical exercises and practice examination questions, fully prepares attendees for the ISTQB Certified Tester Advanced Level Test Analyst examination. While this course is focused on the syllabus, giving attendees the maximum chance of passing the examination, it also contains practical real world examples.

Who should attend?

The course would be beneficial for: Requirements Engineer, Functional Tester, Test Manager, Developer, Test Automation Specialist, Performance Test Specialist, Test Environments Specialist, Security Testing Specialist and anyone else wishing to take the Advanced Level Test Analyst Exam.

Prerequisites & pre-reading guidelines

To be able to obtain an Advanced Level certification, candidates must hold the ISTQB Certified Tester Foundation Level qualification (or ISEB equivalent). 18 months of practical experience within the software testing field is recommended for attending an advanced level course, but not strictly required.

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 an advanced understanding of test design techniques and will be fully prepared to take the ISTQB® Certified Tester Advanced Level Test Analyst examination.

Context

The ISTQB Certified Tester: Advanced Level Test Analyst is an essential follow-on to the ISTQB Certified Tester: Foundation Level. This certification takes testers of all types deeper into test principles, practices, and black box test design techniques.

Related courses

The following courses complement the ISTQB Certified Tester: Advanced Level Test Analyst, either as prerequisite or follow on:

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

Course Outline

The Test Analyst's Tasks in the Test Process

- Introduction
- Testing in the Software Development Lifecycle
- Test Analysis
- Test Design
- Test Implementation
- Test Execution

The Test Analyst's Tasks in Risk-Based Testing

- Introduction
- Risk Identification
- Risk Assessment
- Risk Mitigation

Test Techniques

- Black-Box Techniques
  - Equivalence Partitioning
  - Boundary Value Analysis
  - Decision Table Testing
  - State Transition Testing
  - Classification Tree Technique
  - Pairwise Testing
  - Use Case Testing
  - Combining Techniques
  - Experience-Based Test Techniques
  - Error Guessing
  - Checklist-Based Testing
  - Exploratory Testing
  - Defect-Based Test Techniques Defect Taxonomies
  - Applying the Most Appropriate Technique

Testing Software Quality Characteristics

- Quality Characteristics for Business Domain Testing
  - Functional Correctness Testing
  - Functional Appropriateness Testing
  - Functional Completeness Testing
  - Interoperability Testing
  - Usability Evaluation
  - Portability Testing

Reviews

- Using Checklists in Reviews

Test Tools

- Keyword-Driven Automation
- Types of Test Tools
- Test Design Tools
- Test Data Preparation Tools
- Automated Test Execution Tools

Contact

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