Course Overview

This four-day course is a continuation of the ISTQB Foundation Level Certificate and leads to the ISTQB Advanced Test Analyst Certification. This course focuses specifically on test analyst issues such as producing test documentation in relation to domain testing, and choosing and applying appropriate specification-based, defect-based and experienced-based test design techniques.

Course Content

The course covers the following areas:

- **SPECIFICATION-BASED TEST TECHNIQUES:** Explains and demonstrates how to use and apply the following important test design techniques: equivalence partitioning, boundary value analysis, decision tables, state transition testing, classification tree method, pairwise testing, and use cases.

- **DEFECT AND EXPERIENCE-BASED TEST TECHNIQUES:** Describes the principles and reasons for defect-based techniques and differentiates their use from specification-based and structure-based techniques. Explains, using examples, the importance of defect taxonomies and their uses. The following defect and experienced-based techniques will be described and used to generate tests: error guessing, checklist-based, exploratory testing, and attacks Candidates will analyze various systems to determine which specification-based and defect-based techniques best fit the application being tested.

- **TEST OF SOFTWARE CHARACTERISTICS:** Testing the system's functionality is an important aspect for every tester, focusing on what the system does. Another vital area for every tester is to test the software's characteristics – how well it behaves. Analysis of suitable techniques is provided to test the following characteristics of the test analyst: accuracy, suitability, interoperability, functional security, usability, and accessibility.

INTENDED AUDIENCE

This four-day course is appropriate for test analysts, developers, business analysts, quality assurance, domain testers, managers of testers, users, and anyone wishing to gain the ISTQB Advanced Level Test Analyst Qualification.

COURSE DURATION

The course is presented by an experienced software testing practitioner. The course duration is four days with an exam.

TRAINING STYLE

The course is conducted in a virtual classroom style. Candidates use practical tasks to layer theoretical concepts. Comprehensive and accredited course materials, certification and assessment. Comprehensive course notes are provided. Candidates will be given exercises, practice exams and learning aids to assist in preparation for the final exam.

TRAINING VENUES

iLAB Training is virtually presented globally.

The Exam

This course will provide the candidate with the necessary knowledge and skills to sit the ISTQB Advanced Test Analyst Certificate multiple-choice exam. Candidates will be given the opportunity to sit the examination at the end of the course.

Information about the certification can be found on the International Software Testing Qualifications Board (ISTQB) website: **http://www.istqb.org/**

Course Prerequisites

Candidates wishing to take the ISTQB Advanced Test Analyst Certificate must hold the ISTQB Foundation Certificate or ISTQB Certified Tester Foundation Level Certificate. Visit the ISTQB website www.istqb.org for details on prerequisites.

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