

ISTQB® CT Foundation Level

The Foundation Level syllabus forms the basis of the International Software Testing Qualifications Board (ISTQB®) Certified Tester Scheme.

ISTQB® Foundation Level is relevant across software delivery practices including Waterfall, Agile, DevOps and Continuous Delivery.

The CTFL 4.0 certification is suitable for anyone who needs to demonstrate practical knowledge of the fundamental concepts of software testing. It is relevant for individuals in roles such as testers, test analysts, test engineers, test consultants, test managers, user acceptance testers and software developers.

It is also appropriate for individuals who need a basic understanding of software testing including project managers, quality managers, software development managers, business analysts, IT directors and management consultants.

It is recommended that participants have, at least, 6 months of experience in the software testing area.

CONTENTS

| Fundamentals of Testing | Testing Throughout the Software Development Lifecycle | Static Testing | Test Analysis & Design | Managing the Test Activities | Test Tools |
|--|---|---------------------------|-------------------------------------|---------------------------------------|-------------------------------------|
| What is Testing? | Testing in the Context of an SDLC | Static Testing Basics | Test Techniques Overview | Test Planning | Tool Support for Testing |
| Why is Testing Necessary? | Test Levels & Test Types | Feedback & Review Process | Black-box Test Techniques | Risk Management | Benefits & Risks of Test Automation |
| Testing Principles | Maintenance Testing | | White-box Test Techniques | Test Monitoring, Control & Completion | |
| Test Activities, Testware & Test Roles | | | Experience-based Test Techniques | Configuration Management | |
| Essential Skills & Good Practices in Testing | | | Collaboration-based Test Approaches | Defect Management | |

EXAM STRUCTURE

* 26 points or more;

** Only for participants taking the exam in a language other than their mother tongue;

*** Each correct answer equals 1 point.



BUSINESS OUTCOMES

- Understand what testing is and why it is beneficial;
- Understand fundamental concepts of software testing;
- Identify the test approach and activities to be implemented depending on the context of testing;
- Assess and improve the quality of documentation;
- Increase the effectiveness and efficiency of testing;
- Align the test process with the software development lifecycle;
- Understand test management principles;
- Write and communicate clear and understandable defect reports;
- Understand the factors that influence the priorities and efforts related to testing;
- Work as part of a cross-functional team;
- Know risks and benefits related to test automation;
- Identify essential skills required for testing;
- Understand the impact of risk on testing;
- Effectively report on test progress and quality.

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