

ISTQB® Certified Tester Foundation Level Extension - Agile Tester

In our certification training course we train you to become an ISTQB® Agile Tester (CTFL-AT). Our training contents correspond to the current CTFL-AT curriculum. We offer our seminars in cooperation with Integrata Cegos

TARGET GROUP

- Software testers and developers, test engineers, test managers, test consultants, project managers

REQUIREMENTS

- Experience and basic knowledge in software testing
- ISTQB Foundation certificate e.g. after visiting the training course of CGI

TRAINING GOALS

- Basic knowledge of agile software development and understanding of the principles and practices of agile software engineering
- Test practices and test knowledge in agile projects and knowledge of the tester's roles, responsibilities and skills in agile teams
- Application of test methods, determination of quality risks, planning and estimation of test activities and test efforts
- Application of appropriate techniques and tools

TRAINING CONTENT

The training covers the following topics:

- **Fundamentals of agile software development:** Agile software development and the agile manifesto - Whole-team approach - Advantages of early and regular feedback
- **Aspects of agile approaches:** Approaches of agile software development: extreme programming, scrum, kanban - Collaborative creation of user stories - Retrospective application and purpose of the "Continuous Integration" process - Release planning - Iterations planning



ISTQB® CERTIFIED TESTER FOUNDATION LEVEL EXTENSION - AGILE TESTER

- Fundamentals of agile software development
- Aspects of agile approaches
- Differences between traditional and agile approaches
- Testing in agile projects
- Role and skills of a tester in an agile team
- Agile testing methods
- Assessment of quality risks and estimation of testing efforts
- Techniques in agile projects
- Tools in agile projects

- **Differences between traditional and agile approaches:** Test and development activities - Project results - Stages of testing - Tools - Organizational opportunities
- **Testing in agile projects:** Team communication - Regression risk
- **Role and skills of a tester in an agile team:** Skills of agile testers - Role in an agile team
- **Agile testing methods:** Test driven development (TDD) - Acceptance test driven development - Behavior driven development - Test pyramid - Test quadrants, test levels and test types - Role of the testers in a scrum project
- **Assessment of quality risks and estimation of testing efforts**
- **Techniques in agile projects:** Acceptance criteria and information as test basis - Test first approach - Functional and non-functional black box test design - Explorative testing
- **Tools in agile projects:** Tracking tools - Communication and task management and information sharing tools - Build and distribution tools - Configuration management tools - Test design, implementation and execution tools - Cloud computing and virtualization tools

METHODS

- Lecture, discussion, exercises and case studies

NOTES

- Training language and documents are in German
- It is highly recommended working on the learned material and exercises for exam preparation
- During the course additional documents may be sent by the trainer, therefore the access to your e-mails could be helpful

DURATION, PLACES, DATES

- The training lasts two days (12 hours)
- The certification examinations for the ISTQB® Certified Tester Foundation Level Extension - Agile Tester can be booked individually online or taken at a test center

ABOUT CGI

We are a global service provider for IT and business processes with a total of more than 90.000 employees. At 400 locations, we offer holistic, scalable and sustainable services for 21 industries - globally supported and locally implemented. Our portfolio includes top-level IT and business consulting, systems integration, managed IT, business process services and intellectual property. The focus of our strategic consulting is to improve business agility and change management; our IP serves to accelerate innovation.

With more than 10,000 colleagues worldwide in the quality and test environment, with own test solutions and several TestFactories in DE, CGI is one of the leading service providers in SW quality management and SW testing. Benefit from our years of cross-industry experience.

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