Agile Testing Strategies and Practices

Category: Project Management & Business Skills | **Vendor:** Various

Duration: 24.00 hours (3 days) **19.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Certification: Certified Professional in Agile Testing (ICP-TST), and for 21 Scrum Alliance SEUs, Certified Professional in Agile Testing, students will need to pass the Learning Tree

Course Overview

Technical excellence, customer satisfaction, and a focus on working software are key components of the Agile manifesto. In order to realise the full benefits of Agile development, teams must implement strong testing and technical practices. This training course demonstrates testing strategies and tactics that ensure high and sustainable quality in an Agile environment. This course qualifies for the ICAgile Certified Professional in Agile Testing (ICP-TST), and for 21 Scrum Alliance SEUs.

About This Course

Technical excellence, customer satisfaction, and a focus on working software are key components of the Agile manifesto. In order to realise the full benefits of Agile development, teams must implement strong testing and technical practices. This training course demonstrates testing strategies and tactics that ensure high and sustainable quality in an Agile environment. This course qualifies for the ICAgile Certified Professional in Agile Testing (ICP-TST), and for 21 Scrum Alliance SEUs.

Who Should Attend

While the course qualifies for an ICAgile certificate, the class is not written like an exam prep course. The material is designed for hands-on, Agile training in testing.

Prerequisites & Entry Requirements

General Prerequisites:

Prior to attending this course, attendees should have attended:

- Course Agile Fundamentals: Scrum, Kanban, Lean and XP (AGFUND) , Agile Fundamentals: Scrum, Kanban, Lean and XP, or Course Scrum Alliance Certified Scrum Master (ACSM) Certified ScrumMaster.

- Work experience in software development and testing

Recommended Experience:

- Any work experience as any of the following: Agile Testers, Agile Developers, Product Owners, Analysts and Test Managers, QA Managers, and those whose role is to ensure that Agile teams deliver high customer satisfaction at an optimised cost.

- Taking Course Agile Automation Testing Training (ICP-ATA Certification) (ATA) , Agile Test Automation, is highly recommended, either before or after this course, to complete the ICAgile certification pathway for Agile Testing.

- Students will be emailed a short document to review before class. Understanding the content of this pre-course reading is required before class, so more in-class time can be devoted to Testing Practices in an Agile environment.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

- Select efficient Agile testing practices for a project to ensure continuous feedback

- Optimise iteration and release test plans that result in superior software quality

- Create sustainable software products with test-driven development

- Foster team collaboration for the creation of effective testing assets

- Integrate value-based testing to ensure user satisfaction

- ICAgile: To obtain ICAgile Certified Professional in Agile Testing, students will need to pass the Learning Tree exam. Once notification of passing the exam has been received, contact Learning Tree's customer service to request registration with ICAgile.

- Scrum Alliance: To obtain Scrum Education Units (SEUs), students will need to pass the Learning Tree exam. Once notification of passing the exam has been received, contact Learning Tree's customer service to request registration with Scrum Alliance.

Detailed Course Outline

Testing in an Agile Environment

General testing theory

- Evaluating the key testing principles

- Differentiating between Agile and traditional practices

- Introducing the theory and purpose of Agile Testing

Transitioning to Agile software development processes

- Mapping Agile principles and values to testing

- Inspecting Agile testing quadrants

- Benefiting from Test Driven Development (TDD)

- Automating testing for better Agility

Confirming Customer Satisfaction

Acquiring a test basis

- Testing the charter and key features

- Focusing on customer value and user personas

- Writing useful test cases from user stories

- Developing Story Acceptance Criteria

Automating through Acceptance Test Driven Development (ATDD)

- Designing the anatomy of an Agile Test

- Creating a Test Idea Catalog

- Refining a Definition of Done and Ready

- Anticipating validation criteria through Behaviour Driven Development (BDD)

Preparing for User Acceptance Testing (UAT)

- Specifying by examples and scenarios

- Enabling Usability and Exploratory Testing

- Performing Story-Mapping for better coverage

- Managing the UAT processes

Implementing Developer and Technology Testing

Building proficiency with TDD

- Defining the unit candidates for testing

- Achieving green-light success

- Identifying good tests

- Dealing with large systems

Validating for FURPS+

- Finding non-functional testing patterns

- Simulating interfaces and conducting performance testing through automation

Test Management

Test strategy and planning

- Creating a risk-based approach to release planning

- Coordinating day-to-day through a lightweight test plan

- Declaring rules on zero-bug tolerance and defect tracking

- Using metrics to measure success

Successful delivery management

- Implementing continuous integration and deployment

- Setting-up JIT test environments

- Organising post-release testing

Team mindset and culture

- Working toward a whole team approach to quality

- Designing software with high testability attributes

- Sharing testing responsibilities between developers and testers

- Collaborating on complex and distributed teams projects

Skills You Will Learn:

- Select efficient Agile testing practices for a project to ensure continuous feedback

- Optimise iteration and release test plans that result in superior software quality

- Create sustainable software products with test-driven development

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Frequently Asked Questions

Q: What delivery options are available for Agile Testing Strategies and Practices?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The Agile Testing Strategies and Practices course helps prepare you for the Certified Professional in Agile Testing (ICP-TST), and for 21 Scrum Alliance SEUs, Certified Professional in Agile Testing, students will need to pass the Learning Tree certification path.

Q: How many CPD hours does this course provide?

The 3-day Agile Testing Strategies and Practices course provides up to 19.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Agile Testing Strategies and Practices training?

The training takes place over 3 day(s), with each day lasting approximately 24.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Agile Testing Strategies and Practices?

Yes, we provide corporate training, dedicated training, and closed classes for Agile Testing Strategies and Practices. Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Agile Testing Strategies and Practices, Agile Training, TSP

Q: Why choose Nexus Human for Agile Testing Strategies and Practices?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Agile Testing Strategies and Practices training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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