Software Testing Fundamentals

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

Duration: 16.00 hours (2 days) **13.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

How much does poor software quality really cost? According to the Consortium for IT Software Quality, software defects cost the U.S. economy an estimated $2.84 trillion annually—largely due to issues that could have been caught with structured testing. The Software Testing Course provides testers, QA professionals, software developers, and analysts with the tools to plan, execute, and improve software testing across the lifecycle. You'll learn core testing concepts, techniques for both manual and automated testing, and strategies for testing in various software development frameworks. This testing course is ideal for anyone new to QA or those expanding their role into software testing. Through real-world examples and hands-on practice, you'll build confidence in test planning, defect tracking, and requirement validation using industry-standard tools and methodologies.

About This Course

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Who Should Attend

This course will benefit anyone wanting to learn more about software testing or just getting started in a software testing role.

Prerequisites & Entry Requirements

General Prerequisites:

A basic understanding or exposure to requirements and software projects.

Ideal for those new to testing or in roles with QA responsibility, this course covers testing types, processes, and levels. Through hands-on labs and real-world examples, you’ll build the skills to contribute confidently to quality efforts and reduce project risk.

Learning Outcomes

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

Develop an understanding of basic concepts associated with software testing Recognize the benefits of quality efforts in testing Describe the key roles, processes, activities, and deliverables associated with testing in various environments Learn the importance of good requirements as a base for testing Understand and distinguish among common testing approaches, levels, styles, and types Articulate the key components in a test strategy and a test plan Create a test strategy Understand the challenges of testing vendor-supplied applications Identify test scenarios and create test cases based on scenarios and requirements Determine how to manage and report defects

Detailed Course Outline

Module 1: Testing Concepts

- What is software testing and why it matters
- Characteristics of effective testing
- Testing maturity model and common gaps
- Testable vs. vague requirements

Module 2: Testing Process and Methodology

- The generic software testing process
- Seven core tenets of software testing
- Testing in predictive, iterative, and adaptive SDLCs

Module 3: Testing Levels and Types

- Unit, integration, system, and enterprise testing
- User Acceptance Testing (UAT)
- Manual testing vs. test automation
- Performance testing and API testing basics

Module 4: Testing Strategy and Test Plan Development

- Difference between a test strategy and a test plan
- Static vs. dynamic testing
- Writing test cases and selecting test data
- Test environment setup and planning

Module 5: UAT Testing Process

- Defining test deliverables and team setup
- UAT methodology and timelines
- Executing tests and analyzing results
- Sign-off and approval steps

Module 6: Test Scenarios and Case Design

- Identifying high-priority scenarios
- Writing reusable test cases and scripts
- Test management tools (including Selenium and Java examples)

Module 7: Defect Management and Test Closure

- Preventing vs. detecting defects
- Defect tracking and classification
- Writing clear defect descriptions
- Closing the testing cycle

Frequently Asked Questions

Q: What delivery options are available for Software Testing Fundamentals?

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: How many CPD hours does this course provide?

The 2-day Software Testing Fundamentals course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Software Testing Fundamentals training?

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Software Testing Fundamentals?

Yes, we provide corporate training, dedicated training, and closed classes for Software Testing Fundamentals. 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: Why choose Nexus Human for Software Testing Fundamentals?

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 Software Testing Fundamentals 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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