

Quality Assurance Software Tester

FA-0504 · 3-day

Software Development · Automation, RPA & Power Platform

Introduction

Explore the practical realm of software testing through our Comprehensive QA Software Tester Training. This 3-day course is designed to provide a solid foundation in the essentials of quality assurance, emphasizing hands-on learning.

Duration: 3 Days

Prerequisites

- Basic Understanding of Software Development
- Basic Computer Skills
- Computer with fast internet

Learning Outcome:

- Understand the core principles of software testing in the software development lifecycle.
- Differentiate between manual and automated testing methodologies, exploring functional and non-functional testing types.
- Implement black-box and white-box testing techniques, utilizing equivalence partitioning, boundary value analysis, and error guessing for improved test case design.
- Gain hands-on experience with industry-standard testing tools such as Selenium, JUnit, and TestNG, understanding the role of automation in testing.
- Develop comprehensive test plans and strategies, creating effective test cases and scenarios for various testing levels.

- Execute test cases manually and through automated tools, mastering defect tracking and reporting for clear communication within the testing process.
- Engage in discussions to deepen understanding and address specific questions, collaborating with peers and the instructor to enhance the learning experience.

Training outline

1. Day 1: Introduction to Software Testing and QA Basics

- Introduction to software testing and its importance.
- Key terms and concepts in software testing.
- Manual vs. Automated Testing.
- Functional vs. Non-functional Testing.
- Unit, Integration, System, and Acceptance Testing.
- Exercises.

2. Day 2: Testing Techniques and Tools

- Black-box testing vs. White-box testing.
- Equivalence partitioning, Boundary value analysis.
- Error guessing, exploratory testing.
- Introduction to popular testing tools (e.g., Selenium, JUnit, TestNG).
- Hands-on exercises with basic test automation.
- Exercises.

3. Day 3: Test Planning and Execution

- Test planning and strategy.
- Writing test cases and test scenarios.
- Executing test cases manually and with automated tools.
- Defect tracking and reporting.
- Exercises.