

Introduction to Software Testing

Course length: 1 day

Course Description

As a computer user, you are familiar with software applications such as operating systems and text editors. You can build on this basic knowledge in order to identify basic principles of software testing. In this course, you will gain knowledge about software testing practices and methodologies. In addition, the course provides basic information on testing techniques, planning, design, running tests, and automated testing.

Course Objective: You will apply software testing concepts to test software applications.

Target Student: This course is intended for entry-level IT professionals, software developers, and IT managers, who would like to gain knowledge in the basics of software testing. It is also intended for persons who are preparing for a career in software quality testing.

Prerequisites: To successfully complete the course, we recommend that students have basic end-user computer knowledge.

Delivery Method: Instructor led, group-paced, classroom-delivery learning model with structured hands-on activities.

Performance-Based Objectives

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

- Identify basic software testing concepts.
- Create a test plan.
- Create a test case.
- Implement tests.
- Use testing tools.

Course Content

Lesson 1: Understanding Basic Software Testing Concepts

Topic 1A: Understand the Software Development Life Cycle

Topic 1B: Understand Software Development Models

Topic 1C: Understand Testing

Topic 1D: Understand Testing Types

Lesson 2: Planning Tests

Topic 2A: Understand the Levels of Testing

Topic 2B: Identify Risks

Topic 2C: Create a Test Plan

Lesson 3: Creating a Test Case

Topic 3A: Understand Test Cases

Topic 3B: Create Test Cases Using Black-box Testing Techniques

Topic 3C: Create Test Cases Using White-box Testing Techniques



Lesson 4: Implementing Tests

Topic 4A: Execute a Test Case

Topic 4B: Create a Test Summary Report

Topic 4C: Create a Test Incident Report

Lesson 5: Working with Testing Tools

Topic 5A: Identify the Classification of Testing Tools

Topic 5B: Test Software Using Automated Tools

