



ELEVO LABS

LEARN. INNOVATE. ELEVATE.

Course Overview

Course Details

Course Name: The Complete Guide to Software Testing & QA

Instructor: Anjali Mehta

Created On: 16 June, 2025

Updated On: 16 June, 2025

Price: 7000 INR

Duration: 8 weeks

Modules: 8

Language: English, Hindi

Level: Beginner, Expert

Certifications: Yes

Course Description

Ensure the quality and reliability of software with this complete guide to Software Testing. This course covers the entire spectrum of quality assurance, from the foundational principles of testing to modern practices used in Agile teams. You will learn the different levels and types of testing, how to design effective test cases, and how to write clear and actionable bug reports.

We will explore manual testing techniques in detail, including equivalence partitioning and boundary value analysis. The course then provides a solid introduction to automation testing, discussing what to automate and the role of popular tools like Selenium. You will understand

how testing fits into the software development lifecycle and the specific role of a tester in an Agile environment.

What You'll Learn:

- The 7 Principles of Software Testing.
- Levels of Testing: Unit, Integration, System, and Acceptance (UAT).
- Types of Testing: Functional, Regression, Performance, Usability.
- Test Design Techniques for effective test coverage.
- Writing professional Test Plans, Test Cases, and Bug Reports.
- An introduction to Automation Testing with Selenium.
- The role of testing in an Agile/Scrum team.

Who Is This Course For?

This course is for anyone who wants to start a career in Quality Assurance (QA). It's also highly valuable for developers who want to improve the quality of their code and understand the testing process better.

Course Curriculum Details

Module 1: Module 1: Fundamentals of Testing

2 Lessons

1. What is Software Testing? Why is it Necessary? 25min

2. The 7 Testing Principles 20min

Module 2: Module 2: The Testing Lifecycle

2 Lessons

1. Testing in the SDLC 20min

2. Test Levels: Unit, Integration, System, UAT **35min**

Module 3: Module 3: Types of Testing

3 Lessons

1. Functional vs. Non-Functional Testing **20min**

2. Smoke, Sanity, and Regression Testing **30min**

3. Introduction to Performance and Usability Testing **25min**

Module 4: Module 4: Test Documentation

3 Lessons

1. Writing a Test Plan **25min**

2. How to Write Effective Test Cases **35min**

3. Creating Clear and Actionable Bug Reports **30min**

Module 5: Module 5: Test Design Techniques

1 Lessons

1. Equivalence Partitioning and Boundary Value Analysis **30min**

Module 6: Module 6: Introduction to Automation Testing

2 Lessons

1. What is Test Automation? When to Automate? **25min**

2. Overview of Tools like Selenium and Cypress **25min**

Module 7: Module 7: Testing in an Agile World

1 Lessons

1. The Role of the Tester in a Scrum Team **25min**

Module 8: Module 8: Final Project

1 Lessons

1. Create a Test Plan and Test Cases for a Web Application **1hr 45min**

This curriculum is subject to minor adjustments to ensure the most up-to-date and effective learning experience.