

Software Testing Industrial Training



About Course

Software testing is the process of evaluating and verifying that a software product or application does what it is supposed to do. The benefits of testing include preventing bugs, reducing development costs and improving performance.

SOFTWARE TESTING INDUSTRIAL TRAINING

CURRICULUM

① Software Testing Introduction

Objectives Of Software Testing
Software Development Process
Why Software has defects?
Most common defects
What is Verification & Validation
Difference between QA & QC
Role of a Tester

② Testing Principles

Early Testing
Pesticide Paradox
Absence of Error is a Fallacy
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Testing Should Show Presence of Defects
Testing is Context Dependant

③ Software Development Life Cycle

- SDLC Phases
- SDLC Models
- Waterfall Model
- V Model
- RAD Model
- Prototype Model
- Spiral Model
- Agile Model

④ Software Testing Methodologies

- Static Testing
- White Box Testing
- Black Box Testing
- Gray Box Testing

⑤ Types Of System Testing

- Smoke and Sanity Testing
- Formal Testing
- Priority Based/Risk Based Testing
- Ad-hoc Testing
- Re-Testing & Regression Testing
- End-to-End Testing
- Exploratory Testing
- Benchmark Testing
- Monkey Testing

UI Testing
Usability Testing
Performance Testing

6 Software Testing Life Cycle

Software Testing Life Cycle
Test Strategy
Test Plan
Test Analysis
Analyzing Functional Requirements
Preparing Requirement Clarification
Test Preparation
Identifying & documenting Test Scenarios
Test Case Design Techniques
Preparing Test Cases

7 ISTQB Software Testing

Testing Fundamentals
Software systems context
Causes of software defects
Role of testing in software development,
maintenance & operations
Testing & quality
Seven testing principles

8 Automation Testing

What is Automation Testing?

Benefits of Automation Testing?

Manual Testing vs. Automation Testing

Types of Automation Testing Tools

Tool Selection Criteria

Automation Testing Process

When should Test Automation be used?


When should Test Automation be avoided?



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