ISTQB-20 | Yazilim Test - ISTQB Foundation

Topics:

1. Fundamentals of Testing

- Terminology

- Common Testing Principles

- Basic Test Process

- Psychology of Testing

- Code of Ethics

- Testing Missions and Test Objectives

- Seven Testing Principles

- Context Drivers for Testing

2. Testing Throughout the Software Life Cycle

- Software Development Models

- Test Levels and Test Types

- Maintenance Testing

- Test Impacts of Software Development Models

- Illustrating Verification and Validation for Better Understanding

- Linking Test Levels with Entry and Exit Criteria

- Compare and Contrast Black Box and White Box Testing

- Goals, Targets, and Issues within Test Levels

- Compare and Contrast Test Types Using Examples

3. Test Management

- Test Organization

- Planning and Estimation

- Progress Monitoring and Control

- Configuration Management

- Risk and Testing

- Incident Management

- Project Constraints

- Testing Team Organizational Structures

- Driving More Accurate Test Estimates

- Choosing a Test Approach

- Performing Risk Assessment

- Identifying Incidents

- Writing an Incident Report

- Performing a Review Session

- Developing Oracles

4. Test Design Techniques

- Testing Development Process

- Specification-Based Techniques

- Structure-Based Techniques

- Experience-Based Techniques

- Selecting Test Techniques

- Tests Designed with Equivalence Partitioning

- Using Equivalence Partitioning as a Test Design Method

- Using Boundary Value Analysis to Create Tests

- Analyzing and Mapping Out Complex Logic in Requirements

- Using a Decision Table to Develop Tests

- Walking through a State Model

- Using a State Model to Build Tests

- Using Case Basics

- Generating Tests from Use Cases

- Analyzing Code Flow with Control Flow Diagrams

- Developing Structural Tests for Code and Analyzing Coverage

- Differentiating Experience-Based Techniques

- Choosing a Test Technique

5. Static Techniques

- Static Testing Techniques

- Review Process

- Static Analysis by Tools

6. Tool Support for Testing

- Types of Tools

- Effective Use of Tools

- Introducing Tools into an Organization

- Test Frameworks

- Probe Effect

- Pros and Cons of Tools

- Piloting a Tool