Rice Consulting Services, Inc.
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E-Commerce and Security Testing

1 Day Seminar

This is a practical hands-on seminar to explore the deeper issues of testing e-commerce applications. A major aspect of testing e-commerce is security, so significant time is devoted to security testing. Your instructor will be Randy Rice, a recognized authority in the QA and testing field. You will learn the terminology, the unique issues, and the process for testing e-commerce applications. As a result of attending this seminar, you should be able to understand e-commerce and security testing and have a working knowledge of designing and performing test cases for e-commerce.
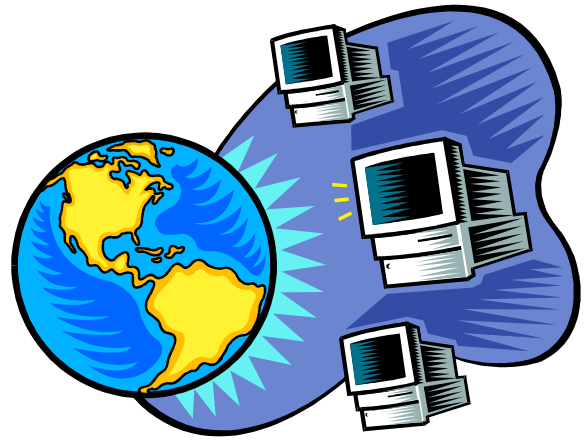
E-commerce and Security Testing will help you become more comfortable and confident in dealing with e-commerce testing issues. You will emerge from this one-day session knowing how to develop a e-commerce application test strategy and plan. You will also have a working knowledge of how to perform a test of an e-commerce application.

Internet technology is a revolutionary resource that has the power to transform organizations, giving them a competitive advantage in today's global marketplace. E-commerce can help your company become more competitive and ultimately, more profitable. Learn the issues and processes for effectively testing this dynamic and profitable technology by attending this hands-on course.

Who Should Attend

- QA Managers
- Test managers
- Test analysts
- Testers
- End users
- Web developers
- Mainframe and client/server developers making the transition to web development.
- General managers who are responsible for making IT quality decisions in their organizations
- IT auditors and internal auditors

Return on Investment

- Learn how to find costly and embarrassing problems before your customers find them.
- Understand the key issues in testing e-commerce.
- Understand which risks are associated with e-commerce and how they can affect your test planning and execution.
- Get the most out of your existing investment in testing and how to leverage that investment for e-commerce testing.
- Advance your career by broadening your testing expertise.

Topics

Module 1 - Test Strategy (1 hr.)

- E-Commerce Test Strategy
- What Is E-Commerce?
- An E-Commerce Schematic
- An E-Commerce Hierarchy

E-Commerce and Security Testing

- The Technical Components of E-Commerce
- The Human Components of E-Commerce
- The External Components of E-Commerce
- Risks of E-Commerce
- E-Commerce Critical Success Factors
- An E-Commerce Testing Process
- A Test Strategy for E-Commerce

Module 2 - E-commerce Risk Assessment (.5 hr.)

- The Risk Assessment Process
- How to Present Risk Findings

Module 3 - E-commerce Test Tools (1 hrs.)

- Effective Tools for Testing E-Commerce
- Capture/Playback
- Site Test Tools
- Load Test Tools
- Network Monitors and Analyzers
- Vulnerability Scanners
- Defect Tracking
- Test Management
- Test Case Generators
- Test Data Generators
- How Do the Tools Work Together?
- Keys to Successfully Applying the Tools
- How to Build Your Own Tools

Module 4 - E-Commerce Test Case Design (1.5 hrs.)

- A Test Case Framework
- A Test Case Design Tool
- Test Case Design for E-Commerce Correctness
- Example for E-Commerce Correctness
- Test Case Design for E-Commerce Usability
- Example for E-Commerce Usability
- Test Case Design for E-Commerce Findability
- Example for E-Commerce Findability
- Test Case Design for E-Commerce Integration
- Example for E-Commerce Integration
- Organizing the Test Cases
- Performing the Test

Module 5 - E-Commerce Performance Testing (1 hr.)

- Key Concerns
- Performance Testing Process
- Determine test strategy and tools
- Profile existing load levels
- Calculate/Predict peak load levels
- Identify load points
- Script functions to be load tested
- Create unattended test scripts
- Perform test and measure results

Module 6 - E-Commerce Security Testing (1 hr.)

- Key Concerns
- The Impact of the Internet
- Security Testing Process
- Determine Test Strategy and Tools
- Perform Security Assessment
- What Are the Risks?
- What Are the Crackers After?
- How Do Intruders Gain Entry?
- Develop Security Policy
- Identify Security Risks: Functional & Structural
- Script Functions To Be Security Tested
- Design Automated Security Tests
- Perform Test And Report Results
- Which Tools are Applicable for Testing?
- Which Tools are Available for Prevention?
- Example: Designing and Performing an E-Commerce Security Test

Resources

- Checklists and Templates
- Glossary
- Bibliography
- Helpful Web Sites
- Test Tool Database

Deliverables

- Course notebook with slides, worksheets, checklists, complete examples and supporting text
- Test tool database
- You will have the basic information needed to plan and execute an effective test of a web-based application.

Consulting • Training • Assessments

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