

Strategic Software Testing: Designing, Planning and Writing Test Cases

Duration

1 day

Instructor

Elisabeth Hendrickson

Class Limit

20 students

Prerequisite

None

Price

On-site:

Please contact SPC for pricing (contact information on page 2)

Public Training:

\$495 (1 day)

*Discount available for early registration

Materials Provided

- Student manual containing the course slides
- Student handouts with class exercises and class studies

We test software to get the information we need to reduce risk and create better software. But how do we know we're gathering the right information and focusing on the biggest risks? Strategic testers know.

Strategic testers can:

- Establish a charter with the stakeholders that guides the test effort.
- Discover what needs to be tested by exploring the software under test.
- Analyze software from multiple perspectives.
- Choose which tests to run at any given time.
- Write just the right level of test documentation for their context.

Strategic Testers find important problems--problems that matter to stakeholders--quickly. They counsel stakeholders on risks and provide valuable information through all stages of a project.

In this interactive, hands-on workshop, participants will learn what it takes to be a Strategic Tester.



Intended Audience

This seminar is intended for systems testers and quality assurance professionals, systems analysts and designers, software engineers and programmers, project leaders, auditors, and users who are involved in systems testing.

TRAINING

Strategic Software Testing

Instructor

Elisabeth Hendrickson is an independent consultant specializing in software quality, testing, and management. Her business card lists her title as “Quality Strategist,” a title she adopted after a client gushed, “Elisabeth is the most strategic tester I’ve ever met.”

In the software field since 1988, Elisabeth has at one time or another been a tester, test automator, technical writer, programmer, and manager (sometimes simultaneously). She is the founder and president of Quality Tree Software, Inc. An award-winning author, Elisabeth has published more than 20 articles and is a frequently invited speaker at major software quality and software management conferences.

For more information on this or other SPC Springboard courses, please visit www.spcspringboard.com or e-mail SPC at info@spc.ca

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Outline

Setting the Context

- Testing in a Business, Project, and Technical Context
- The Myth of Universal Best Practices
- Testing Charters

Analyzing the Variables

- Finding Obvious and Subtle Variables
- Identifying Dependencies
- Creating Reusable Tests

Feature Interactions

- Examining the “Nouns” and “Verbs” of a System
- Creating Scenarios

Models in Testing

- Identifying States and Transitions
- Using State Models in Testing
- Creating Architectural Models
- Test Strategies for Architectural Components

More Perspectives on Testing

- Wearing the Users’ Shoes
- Reverse Engineering Requirements
- Mining the Bug Database
- Uncovering Risks
- Taking a Field trip

Test Selection Strategies

- Equivalence
- Analyzing Risks
- Prioritizing
- Retiring Tests
- Pair-Wise Combination Testing

Test Documentation

- Test Documentation Strategies
- Checklists, Matrices, and Test Cases

Test Planning

- Test Strategies
- Estimating
- Negotiating
- Executing



TRAINING

