

Quality Training for the Testing Professional



PLAN AHEAD!

Register early and save \$200!*



Intelligent Test Case Design



Structured Software Test Planning

benchmarkQA[®]
The Software Quality Experts

*See Terms and Conditions for details of discount.



Intelligent Test Case Design

November 17 & 18, 2011 Minneapolis, MN

Throw-away test cases. Unclear testing priorities. Critical errors in production despite extensive testing. It's time to master the art and mechanics of INTELLIGENT test case design.

As in most quality-centered endeavors, there are both creative and structural elements required for proper test case design. During two days of high-energy instruction, Intelligent Test Case Design (ITCD) coaches you on how to ensure that test cases lead to a high quality software product. You'll go back to work knowing why test case design is critical, which inputs are required and how to find them, how to effectively analyze those inputs, how to turn your analysis into efficient and risk-mitigating test cases.

Through our training you will:

- Master the mechanics of critical test case design techniques and how they are best used in agile and traditional methodologies.
- Identify obvious and not-so-obvious test case inputs within your organization, existing processes, and work products.
- Learn to work effectively with the "soft skills" of your environment, taking human issues into consideration when designing test cases.
- Discover the 10 risk areas critical to test case design, and how to work smartly to incorporate these risks into proper test coverage.
- Understand how test case design is just one of key ingredient of properly structured software test planning.

On the job you will:

- Create efficient and reusable test cases.
- Find critical defects faster.
- Identify and focus on the most important and highest risk areas first.
- Develop tests applicable for many types of testing, including regression and automation.
- Incorporate modern contextual analysis that aligns with agile and other methodologies.
- Apply techniques other than black-box testing to maximize functional and risk coverage.

Course Agenda

Day One

- What is Test Case Design?
- Analysis
- Brainstorming Test Ideas

Day Two

- Coverage and Risk
- Efficiency
- Test Case Documentation and Review
- Applying ITCD in the Real World

Training Instructor Sheila Conway is a senior consultant for BenchmarkQA with over 16 years of full-lifecycle test leadership, test analysis and business analysis experience. Sheila has a unique and specialized background in business analysis, ETL, data testing and data warehouse testing as well as technical expertise in a variety of tools. A highly respected leader, Sheila has earned the designation of Certified Software Quality Analyst (CSQA) through the Quality Assurance Institute and has held lead consulting roles in many major corporations including ShopNBC, Blue Cross Blue Shield, Thrivent Financial, AT&T, Sun Microsystems, NASDAQ, USBank, and GMAC RFC.



Best Practices, Hands-On Exercises & Peer Interaction

Since our first delivery of SSTP training in 1991, BenchmarkQA has continually updated its training courses to reflect the current best practices of our dynamic industry. Be assured these classes are not textbook theory. Our training is filled with real-life best practices and sensible advice accumulated through the experiences and expertise of our QA consultants. Hands-on exercises keep you engaged and let you try out what you've just learned—with immediate feedback. Through a highly-interactive learning process, you'll learn how to put these techniques to use, instead of on a shelf next to the training materials of days gone by.

Who Should Attend

Both SSTP and ITCD are comprehensive courses for software professionals involved in the quality assurance and testing effort. Our classes target QA leaders wanting to better guide their teams, as well as forward-thinking test engineers and QA analysts. QA and testing professionals with experience in any combination of formal and informal testing environments and methodologies, in regulated or non-regulated industries, will find the content relevant and engaging.

Outstanding Value

To cover the same information with a leading competitor would cost you almost twice as much. You'd also need to take an additional two days from your work schedule. BenchmarkQA training costs less, gets you back on the job faster, and you take your course materials home with you (a unique concept in IT training). You keep the valuable Participant Manual—chock-full of ideas, examples and tools (a great reference tool) as well as the workbook of hands-on exercises completed during class.



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Past Corporate Participants

Team members of the following companies have attended BenchmarkQA training.

Achieve Healthcare, ADC Telecommunications, Allianz Life/USA, Cargill, Data Card, Digi-Key, Digital River, Fargo Electronics, HealthPartners, Medica, Medtronic, MTS Systems, Pearson VUE, Prudential, St. Jude Medical, Starkey Laboratories, Thomson Reuters, XATA Corporation

Private Training

Our training seminars are also available for private delivery to help you improve the knowledge and skills of your quality assurance staff by focusing on the topics of greatest importance and value to your organization. Your staff is immersed in a customized training program onsite or at our training facility. This is a cost effective way to train eight or more individuals.

For more information, please contact Molly Doyle Decklever at 952.392.2384 or Molly.Decklever@benchmarkQA.com.

Education Credits

QAI has approved SSTP training for 12 Continuing Professional Education (CPE) credits. Course participants are required to submit proper documentation to QAI for CPE credit award.

About BenchmarkQA

BenchmarkQA, headquartered in Minneapolis, Minnesota has provided exceptional quality assurance consulting and testing services to its clients for 24 years. BenchmarkQA helps software project teams deliver high-caliber software with greater efficiency and cost control, through process improvement strategies, training, guidance and the productivity of highly-skilled QA industry professionals. Our mission is to provide significant business value for our clients by improving the quality of their software.

Missed deadlines. Post-release defects. Long hours and high stress levels. All signs of an inefficient testing process that isn't helping you achieve your quality goals.

Structured Software Test Planning (SSTP) is an intensive two-day course, hosted and taught by a practicing leader in software quality assurance, that will help you better manage your software testing processes. You'll learn how to develop a structured test strategy that identifies your needs, defines your process, organizes your efforts and maximizes your resources, giving you the tools and know-how to make a lasting impact on your QA and testing strategy.

Through our training you will:

- Discover the value of structured test planning.
- Expand your knowledge of the QA & test life cycle as a parallel to the Software Development Life Cycle (SDLC).
- Assess your business and technological risks and use this risk assessment to prioritize your testing.
- Develop an understanding of how Agile and other iterative methodologies affect test planning.
- Learn the various test types and determine which ones to include in your plan to have the most effective and efficient test coverage.
- Learn how to estimate the test effort.

On the job you will:

- Create the key deliverables from the test planning phase – test strategy, test plan, and requirements traceability matrix.
- Develop test strategies for working without requirements.
- Determine with confidence when to use the different types of tests.
- Plan for the impact of virtual environments and cloud computing on the test effort.
- Adjust your existing processes to better assess and manage your test effort, using metrics to demonstrate your success.

Course Agenda

Day One

- Introduction to Structured Test Planning
- Key Testing Concepts
- Organizational Testing Policy/Charter
- Test Strategy
- Test Planning
- Test Requirements and Traceability Matrix

Day Two

- Detailed Tests
- Test Data Design
- Software Test Automation
- Estimating the Testing Effort
- Software Quality Measurements and Metrics
- Applying SSTP in the Real World



Training Instructor Betty Schaar is a senior consultant for BenchmarkQA and 25 year advocate for improved software quality. A highly respected leader, Betty has earned the designation of Certified Software Quality Analyst (CSQA) through the Quality Assurance Institute and has held QA leadership and consulting positions in major Twin Cities corporations including United HealthCare, Blue Cross Blue Shield, Kodak Health Imaging, and Imation. Betty's QA expertise has been highlighted through speaking engagements at national conferences including the Practical Software Quality Techniques (PSQT) and Software Testing Analysis and Review (STAR) conferences, and through her leadership and participation in TCQAA and PSQT.

Quality Training for the Testing Professional

Course Options:



Intelligent Test Case Design (ITCD)

Thursday and Friday, November 17 & 18, 2011
8:30 – 4:00 p.m.



Structured Software Test Planning (SSTP)

Thursday and Friday, December 1 & 2, 2011
8:30 – 4:00 p.m.

Cost:

\$1295 per participant per class (see discounts available)

Discounts:

- \$1095 if registered by October 15, 2011 for ITCD
- \$1095 if registered by November 1, 2011 for SSTP
- \$1795 for package of both classes, SSTP and ITCD
- \$995 per class for groups of 3 or more

Location:

7301 Ohms Lane
Minneapolis, MN 55439

Register:

Call 952.392.2400 or 1.877.425.2581 (toll free)
Visit: www.benchmarkQA.com/training

TERMS & CONDITIONS

Tuition: Tuition for each student is \$1295 paid in advance of the class. Tuition includes class sessions, all course materials, breakfast, lunch and refreshment breaks. **Tuition Payment:** Students will be invoiced at the time of registration, with payment due within 10 days. **Early Registration Discount:** All individual registrations received prior to early registration date will be billed at \$1095 rather than \$1295. Early Registration Date is October 15, 2011 for ITCD, and November 1, 2011 for SSTP. **Package Discount:** Tuition for both SSTP and ITCD taken in consecutive classes is \$1795. **Group Discount:** If you have three or more students attending the same session, tuition is \$995 per student. All registrations must be made at the same time to qualify for the group discount. The \$200 Early Registration Discount does not apply to group registrations or the Package Discount. **Substitutions:** Student substitutions are allowed at any time prior to the beginning of the class. **Cancellations:** You may cancel your registration without penalty up to 10 days prior to the beginning of class. Cancellations made within 9 days of the class start date will still require payment, however, funds can be attributed to another BenchmarkQA training course or service within one year. BenchmarkQA reserves the right to cancel the class for any reason, with liability limited to the paid registration fee only.

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BenchmarkQA, Inc.
7301 Ohms Lane, Suite 590
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