The Testing Knowledge Library – e-books listing

**Software Testing Fundamentals: Methods and Metrics**
by Marnie L. Hutcheson  
John Wiley & Sons©2003  
Length: 408 pages  
A software tester's survival guide from a leading expert in the field.

**Systematic Software Testing**
by Rick D. Craig and Stefan P. Jaskiel  
Artech House©2002  
Length: 536 pages  
Focusing on the prevention and early discovery of defects, the testing process described in this text parallels the software development lifecycle, and the authors outline a flexible process for improving software testing capabilities.

**Black-Box Testing: Techniques for Functional Testing of Software and Systems**
by Boris Beizer  
John Wiley & Sons©1995  
Length: 294 pages  
The author of this text uses a range of examples testing IRS tax forms and their corresponding off-the-shelf tax preparation packages to demonstrate how a wealth of accepted and proven black box testing techniques can be used.

by Bill Hetzel  
John Wiley & Sons©1998  
Length: 284 pages  
In this resource, the author first develops the concepts and principles of testing. Then he presents detailed discussions of testing techniques, methodologies and management perspectives to understand the material and adapt it to your environment.

**Unit Testing in Java: How Tests Drive the Code**
by Johannes Link and Peter Frohlich  
Morgan Kaufmann Publishers©2003  
Length: 325 pages  
This is a practical introduction to using automated unit tests and the test-first approach in your day-to-day software development. The author gives clear guidance on how to make tests work for you, and shows how test-driven development works in practice.

**A Practitioner's Guide to Software Test Design**
by Lee Copeland  
Artech House©2004  
Length: 294 pages  
This text presents all the important test design techniques in a single place and in a consistent, and easy-to-digest format. It enables you to choose the best test case design, find software defects, develop optimal strategies, and more.

**Effective GUI Test Automation: Developing an Automated Testing Tool**
by Kanglin Li and Mengqi Wu  
Sybex©2005  
Length: 464 pages  
Written for software engineers who want more effective ways to perform software tests, this book presents ideas for automating GUI testing. The code within the text forms a foundation for a fully automated GUI testing tool.

**Achieving Software Quality Through Teamwork**
by Isabel Evans  
Artech House©2004  
Length: 320 pages  
Successful software depends not only on technical excellence but on how members of the software team work together. Written by a leading expert in the field, this new volume provides an overview of the team culture required to develop quality software.
Software Testing Techniques: Finding the Defects that Matter
by Scott Loveland et al.
Cengage Charles River Media©2005
Length: 384 pages
Focusing on real-life techniques illustrated through examples and case studies, this friendly, accessible book provides practical testing techniques for achieving robust reliability with any large-scale software project.

Software Project Secrets: Why Software Projects Fail
by George Stepanek
Apress©2005
Length: 192 pages
By offering a new path to success in the software industry, this informative book reaches out to managers, developers, and customers who use industry-standard methodologies, but whose projects still struggle to succeed.

by B. M. Subraya
IGI Global©2006
Length: 386 pages
Based upon a mix of theoretical and practical concepts, this example-rich book provides a detailed understanding of the various aspects of performance testing in relation to the different phases of the software development life cycle.

A Tester's Guide to .NET Programming
by Mary Romero Sweeney and Randal Root
Apress©2006
Length: 632 pages
With real-world tips, example code, review questions and hands-on exercises, this book will teach you how to write simple automated tests that will enable you to test tools and utilities.

Verification, Validation and Testing in Software Engineering
by Aristides Dasso and Ana Funes (eds)
IGI Global©2007
Length: 442 pages
Offering thorough coverage of many valuable formal and semiformal techniques of V&V, this book explores, depicts, and provides examples of different applications in V&V that produce many areas of software development where V&V techniques are required.

Effective Methods for Software Testing, Third Edition
by William E. Perry
John Wiley & Sons©2006
Length: 1003 pages
Short on theory and long on nuts-and-bolts guidance, this comprehensive guide arms you with what you need to guarantee that your customers get what they deserve—the most usable, bug-free software possible.

Pragmatic Software Testing: Becoming an Effective and Efficient Test Professional
by Rex Black
John Wiley & Sons©2007
Length: 384 pages
With the help of real-world examples integrated throughout the chapters, this book presents the fundamental techniques for testing and clearly shows you how to select and apply successful strategies to test a system with budget and time constraints.

Lessons Learned in Software Testing: A Context-Driven Approach
by Cem Kaner, James Bach and Bret Pettichord
John Wiley & Sons©2002
Length: 314 pages
The ultimate resource for software testers, developers, and managers at every level of expertise, this guidebook reveals insights on how to do the job well, how to manage it, and how to steer clear of common misunderstandings in software testing.

**Software Testing and Analysis: Process, Principles and Techniques**  
by Mauro Pezzé and Michal Young  
John Wiley & Sons©2008  
Length:510 pages  
Providing students and professionals with strategies for reliable, cost-effective software development, this guide covers a full spectrum of topics from basic principles and underlying theory to organizational and process issues in real-world application.

**Agile Software Development Quality Assurance**  
by Ioannis G. Stamelos and Panagiotis Sfetsos (eds)  
IGI Global©2007  
Length:268 pages  
Providing in-depth coverage of important concepts, issues, trends, and technologies in agile software, this guide helps researchers and practitioners avoid risks and project failures that are frequently encountered in traditional software projects.

**Software Testing: Interview Questions**  
by S. Koirala and S. Sheikh  
Infinity Science Press©2008  
Length:238 pages  
Providing a self-study format for certification course review, this book covers software testing basics as well as testing techniques and interview questions (e.g., Six Sigma and CMMI), which are important from the Software Quality Assurance (SQA) perspective.

by Jeff Rubin and Dana Chisnell  
John Wiley & Sons©2008  
Length:348 pages  
Completely updated with current industry best practices and more varied examples, this step-by-step guide can give you that all-important marketplace advantage: products that perform the ways users expect.

**Foundations of Software Testing: ISTQB Certification**  
by Dorothy Graham et al.  
Cengage Learning©2008  
Length:270 pages  
Covering the fundamental principles that every system and software tester should know, this essential guide is designed to help you pass the ISTQB exam and qualify at Foundation Level, and is enhanced with many useful learning aids.

**Software Testing and Continuous Quality Improvement, Third Edition**  
by William E. Lewis  
Auerbach Publications©2009  
Length:704 pages  
Discussing software testing as part of the project management process, this book emphasizes testing and quality goals early on in development and explains how compliance testing helps an IT organization meet Sarbanes-Oxley and Basel II requirements.

**Software Testing: A Craftsman’s Approach, Third Edition**  
by Paul C. Jorgensen  
Auerbach Publications©2008  
Length:440 pages  
A standard reference for those who need to stay up to date on the most recent technologies in software testing, this text discusses agile programming development and the serious effect it is having on software testing.
**Testing Code Security**  
by Maura A. van der Linden  
Auerbach Publications©2007  
Length: 330 pages  
Filled with cases illustrating the most common classes of security vulnerabilities, this book offers the knowledge needed to begin testing software security for any project and become an integral part in the drive to produce better security and safety.

**Fuzzing for Software Security Testing and Quality Assurance**  
by Ari Takanen, Jared DeMott and Charlie Miller  
Artech House©2008  
Length: 311 pages  
Offering software developers a powerful new tool to build secure, high-quality software, this practical resource helps developers think like a software cracker so they can find and patch flaws before vulnerabilities have a chance to rampage systems.

**Guide to Advanced Software Testing**  
by Anne Mette Jonassen Hass  
Artech House©2008  
Length: 460 pages  
Utilizing a wealth of graphics that support the discussions to offer a clear overview of software testing, this unique resource offers a practical understanding of the most critical software testing topics and their relationships and interdependencies.

**Software Testing and Quality Assurance: Theory and Practice**  
by Sagar Naik and Piyu Tripathy  
John Wiley & Sons©2008  
Length: 646 pages  
Expertly balancing theory with practice, and complemented with an abundance of pedagogical tools, this book is a valuable asset for professionals and an ideal introductory text for courses in software testing, quality assurance, and software engineering.

**Apache JMeter: A Practical Beginner's Guide to Automated Testing and Performance Measurement for Your Websites**  
by Emily Halili  
Packt Publishing©2008  
Length: 140 pages  
Written in a straightforward way, with plenty of step-by-step instructions and illustrative screenshots, this book gives specific, vivid, and easy-to-understand walkthroughs of JMeter's testing tools showing what they can do, and when and how to use them.

by Rex Black  
John Wiley & Sons©2009  
Length: 672 pages  
Including step-by-step guidelines, case studies and real-world scenarios, this book covers core testing concepts and thoroughly examines the best test management practices and tools of leading hardware and software vendors.

**Software Testing as a Service**  
by Ashfaq Ahmed  
Auerbach Publications©2010  
Length: 238 pages  
Replete with examples and case histories, this book explains how the normal functions of manufacturing can be applied to commoditize the software testing service to achieve consistent quality across all software projects.
### Agile Testing: How to Succeed in an Extreme Testing Environment
**by John Watkins**
Cambridge University Press©2009
Length:328 pages
Presenting twenty real-world case studies of practitioners using agile methods, this book provides personalized guidance on the agile best practices from which to choose to create your own effective and efficient agile method.

### Testing ASP.NET Web Applications
**by Jeff McWherter and Ben Hall**
Wrox Press©2010
Length:432 pages
Authored by a duo of Microsoft MVPs, this unique resource walks you through the many testing pitfalls you might experience when developing ASP.NET applications.

### Security Testing Handbook for Banking Applications
**by Arvind Doraiswamy et al.**
IT Governance©2009
Length:191 pages
Explaining how to use a structured approach to security testing, this book looks at the checklist used for testing, discusses different banking applications and examines how these can be tested effectively.

### Hacking For Dummies, 3rd Edition
**by Kevin Beaver**
John Wiley & Sons©2010
Length:408 pages
Offering increased coverage of Web application hacks, database hacks, VoIP hacks, and mobile computing hacks, this guide addresses a wide range of vulnerabilities and how to identify and prevent them.

### Software Testing: An ISEB Intermediate Certificate
**by Brian Hambling and Angelina Samaroo**
BCS©2009
Length:178 pages
Covering testing fundamentals, reviews, testing and risk, test management and test analysis, this book helps newly qualified software testers learn the skills and techniques to take them to the next level.

### .NET Performance Testing and Optimization: The Complete Guide
**by Paul Glavich and Chris Farrell**
Red Gate©2010
Length:416 pages
Providing all you need to help you make the most of your .NET code, this detailed and comprehensive guide describes why you should test, the steps of setting up your test environment, how to actually run and record tests, and what you should be looking for.

### Testing Complex and Embedded Systems
**by Kim H. Pries and Jon M. Quigley**
Auerbach Publications©2011
Length:320 pages
Presenting combinatorial approaches for improving test coverage, this book details techniques to help you streamline testing and identify problems before they occur—including turbocharged testing using Six Sigma and exploratory testing methods.

### Design Driven Testing: Test Smarter, Not Harder
**by Matt Stephens and Doug Rosenberg**
Apress©2010
Length:365 pages
Following a real-life example project using Java and Flex/ActionScript, this
essential guide shows that, by combining a forward-thinking development process with cutting-edge automation, testing can be a finely targeted, business-driven, rewarding effort.

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<tr>
<th>Title</th>
<th>Author(s)</th>
<th>Publisher</th>
<th>Pages</th>
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<tr>
<td>The Essence of the PRINCE2: Project Management Method</td>
<td>Colin Bentley ©2010</td>
<td>Colin Bentley©2010</td>
<td>263</td>
<td>Ideal for those who are wondering if the method might be right for their use, this practical guide covers every aspect of the method required for students who are thinking of taking the Foundation or Practitioner examination.</td>
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<tr>
<td>Software Testing: An ISTQB–ISEB Foundation Guide, Second Edition</td>
<td>Brian Hambling (ed) et al.</td>
<td>BCS©2010</td>
<td>239</td>
<td>Written specifically to help potential candidates for the ISTQB-ISEB Certified Tester Foundation Level examination, this book is ideal for those with a little experience of software testing who wish to cement their knowledge with industry-recognized techniques and theory.</td>
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<td>Ninja Hacking: Unconventional Penetration Testing Tactics and</td>
<td>Thomas Wilhelm and Jason Andress</td>
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<td>By using disguise, espionage, stealth, and concealment, this book throws traditional pen testing methods out the window to demonstrate how thinking and acting like a ninja can actually grant you quicker, more complete access to a company’s assets - before a hacker does.</td>
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<td>Usability Testing Essentials: Ready, Set...Test!</td>
<td>Carol Barnum ©2011</td>
<td>Morgan Kaufmann Publishers©2011</td>
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<td>Featuring important usability issues such as international testing, persona creation, remote testing, and accessibility, this comprehensive book presents a practical, step-by-step approach to learning the entire process of planning and conducting a usability test.</td>
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<tr>
<td>Optimize Quality for Business Outcomes: A Practical Approach to</td>
<td>Andreas Golze, Mark Sarbiewski and Alain Zahm</td>
<td>John Wiley &amp; Sons©2008</td>
<td>304</td>
<td>Published in partnership with HP, this guide shares more than 20 years of software testing wisdom from both HP consultants and customers aimed at improving performance measurement.</td>
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<tr>
<td>IT Service Management: A Guide for ITIL V3 Foundation Exam Candidates</td>
<td>Ernest Brewster, Richard Griffiths, Aidan Lawes and John Sansbury</td>
<td>BCS©2010</td>
<td>217</td>
<td>ITIL is a framework for IT service management and provides best management practice to meet ISO 20k. This practical guide introduces ITIL both to Foundation Examination candidates and to people who require a practical understanding of ITIL.</td>
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specific agile case study for any testing practitioner who is looking to research, implement, roll out, adopt, and maintain a software testing process.

**Professional Test-Driven Development with C#: Developing Real World Applications with TDD**
by James Bender and Jeff McWherter
Wrox Press©2011
Length:360 pages
With source code and examples featured in both C# and .NET, the hands-on book walks you through the TDD methodology and shows how it is applied to a real-world application.

**Game Testing: All in One, Second Edition**
by Charles Schultz and Robert Bryant
Mercury Learning©2012
Length:452 pages
Equipping the reader with the rationale for vigorous testing of game software, this book explains how it fits into the game development process, offers practical knowledge of the tools to apply, and the measurements to determine game quality and testing progress.

**The Basics of Hacking and Penetration Testing: Ethical Hacking and Penetration Testing Made Easy**
by Patrick Engebretson
Syngress Publishing©2011
Length:178 pages
Serving as an introduction to the steps required to complete a penetration test or perform an ethical hack, this book shows you how to properly utilize and interpret the results of modern day hacking tools which are required to complete a penetration test.

**Penetration Tester’s Open Source Toolkit, Third Edition**
by Jeremy Faircloth
Syngress Publishing©2011
Length:465 pages
Offering details on current open source penetration testing tools, this book presents core technologies for each type of testing, the best tools for the job, and real-life scenarios so that the reader knows which tool to use and how to use it for a variety of situations.

**The Art of Software Testing, Third Edition**
by Glenford J. Myers, Corey Sandler and Tom Badgett
John Wiley & Sons©2012
Length:240 pages
Whether you’re a student looking for a testing guide you’ll use for the rest of your career, or an IT manager overseeing a software development team, this landmark book provides a brief but powerful and comprehensive presentation of time-proven software testing approaches.