Agile Testing

A Practical Guide for Testers and Agile Teams

Lisa Crispin

Janet Gregory

Forewords by Mike Cohn and Brian Marick

Praise for *Agile Testing*

"As Agile methods have entered the mainstream, we've learned a lot about how the testing discipline fits into Agile projects. Lisa and Janet give us a solid look at what to do, and what to avoid, in Agile testing."

—Ron Jeffries, www.XProgramming.com

"An excellent introduction to agile and how it affects the software test community!"

—Gerard Meszaros, Agile Practice Lead and Chief Test Strategist at Solution Frameworks, Inc., an agile coaching and lean software development consultancy

"In sports and music, people know the importance of practicing technique until it becomes a part of the way they do things. This book is about some of the most fundamental techniques in software development—how to build quality into code—techniques that should become second nature to every development team. The book provides both broad and in-depth coverage of how to move testing to the front of the development process, along with a liberal sprinkling of real-life examples that bring the book to life."

—Mary Poppendieck, Author of *Lean Software Development* and *Implementing Lean Software Development*

"Refreshingly pragmatic. Chock-full of wisdom. Absent of dogma. This book is a game-changer. Every software professional should read it."

—Uncle Bob Martin, Object Mentor, Inc.

"With *Agile Testing*, Lisa and Janet have used their holistic sensibility of testing to describe a culture shift for testers and teams willing to elevate their test effectiveness. The combination of real-life project experiences and specific techniques provide an excellent way to learn and adapt to continually changing project needs."

—Adam Geras, M.Sc. Developer-Tester, Ideaca Knowledge Services

"On Agile projects, everyone seems to ask, 'But, what about testing?' Is it the development team's responsibility entirely, the testing team, or a collaborative effort between developers and testers? Or, 'How much testing should we automate?' Lisa and Janet have written a book that finally answers these types of questions and more! Whether you're a tester, developer, or manager, you'll learn many great examples and stories from the real-world work experiences they've shared in this excellent book."

—Paul Duvall, CTO of Stelligent and co-author of *Continuous Integration: Improving Software Quality and Reducing Risk*

"Finally a book for testers on Agile teams that acknowledges there is not just one right way! *Agile Testing* provides comprehensive coverage of the issues testers face when they move to Agile: from tools and metrics to roles and process. Illustrated with numerous stories and examples from many contributors, it gives a clear picture of what successful Agile testers are doing today."

—Bret Pettichord, Chief Technical Officer of WatirCraft and Lead Developer of Watir

This page intentionally left blank

Agile Testing

This page intentionally left blank

AGILE TESTING

A PRACTICAL GUIDE FOR TESTERS AND AGILE TEAMS

Lisa Crispin
Janet Gregory

Many of the designations used by manufacturers and sellers to distinguish their products are claimed as trademarks. Where those designations appear in this book, and the publisher was aware of a trademark claim, the designations have been printed with initial capital letters or in all capitals.

The authors and publisher have taken care in the preparation of this book, but make no expressed or implied warranty of any kind and assume no responsibility for errors or omissions. No liability is assumed for incidental or consequential damages in connection with or arising out of the use of the information or programs contained herein.

The publisher offers excellent discounts on this book when ordered in quantity for bulk purchases or special sales, which may include electronic versions and/or custom covers and content particular to your business, training goals, marketing focus, and branding interests. For more information, please contact:

To my husband, Bob Downing—you're the bee's knees!
—Lisa

To Jack, Dana, and Susan, and to all the writers in my family.
—Janet

And to all our favorite donkeys and dragons.
—Lisa and Janet

This page intentionally left blank

CONTENTS