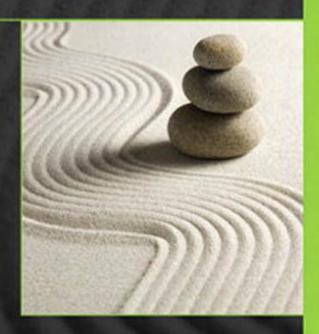
The Addison-Wesley Signature Series

# SUCCEEDING WITH AGILE

SOFTWARE DEVELOPMENT
USING SCRUM

MIKE COHN



Foreword by Tim Lister

# Praise for Succeeding with Agile

- "Understanding the mechanics of an agile process is just not enough. Mike Cohn has compiled a superb and comprehensive collection of advice that will help individuals and teams with the intricate task of adopting and adapting agile processes to fit their specific challenges. This book will become the definitive handbook for agile teams."
- -Colin Bird, Global Head of Agile, EMC Consulting
- "Mike Cohn's experience working with so many different organizations in the adoption of agile methods shines through with practical approaches and valuable insights. If you really want agile methods to stick, this is the book to read."
- -Jeff Honious, Vice President, Innovation, Reed Elsevier
- "Mike Cohn has done it again. Succeeding with Agile is based on his experience, and all of our experience, with agile to date. He covers from the earliest days of the project up to maturity and offers advice for the individual, the team, and the enterprise. No matter where you are in the agile cycle, this book has something for you!"
- —Ron Jeffries, www.XProgramming.com
- "If you want to start or take the next step in agile software development, this book is for you. It discusses issues, great solutions, and helpful guidelines when scaling up in agile projects. We used the guidelines from this book extensively when we introduced agile in a large, FDA-regulated department."
  - —**Christ Vriens**, Department Head of MiPlaza, part of Philips Research
- "If making the move to agile has always baffled you, then this book will unlock its mysteries. Mike Cohn gives us all the definitive, no-nonsense guide to transforming your organization into a high-powered, innovative, and competitive success."
  - —**Steve Greene**, Senior Director, Program Management and Agile Development, www.salesforce.com
- "Mike Cohn is a great advisor for transforming your software organization. This book is a distillation of everything Mike has learned over the years working with companies that are trying to become more agile. If you are thinking of going agile, pick up this book."
- —**Christopher Fry**, Ph.D., Vice President Development, Platform, www.salesforce.com
- "Whether you're just starting out or have some Scrum experience under your belt, in Succeeding with Agile, Mike Cohn provides a wealth of information to guide you in your quest toward continuous improvement. Throughout the book, concepts are reinforced with practical everyday advice, including how to handle objections and thought-provoking 'things to try now.' An extensive list of recommended readings round this out to be a must have book."
- -Nikki Rohm, Studio Director Project and Resource Management, Electronic Arts

# Succeeding with Agile: Software Development Using Scrum (Adobe Reader)

# **Table of Contents**

CONTENTS
FOREWORD
ACKNOWLEDGEMENTS
ABOUT THE AUTHOR
INTRODUCTION

Part I: Getting Started

1 Why Becoming Agile Is Hard (But Worth It)

Why Transitioning Is Hard

Why It's Worth the Effort

Looking Forward

Additional Reading

## 2 ADAPTing to Scrum

Awareness

Desire

Ability

Promotion

Transfer

Putting It All Together

Additional Reading

# 3 Patterns for Adopting Scrum

Start Small or Go All In

Public Display of Agility or Stealth

Patterns for Spreading Scrum

Introducing New Technical Practices



One Final Consideration

Additional Reading

## 4 Iterating Toward Agility

The Improvement Backlog

The Enterprise Transition Community

Improvement Communities

One Size Does Not Fit All

Looking Forward

Additional Reading

#### 5 Your First Projects

Selecting a Pilot Project

Choosing the Right Time to Start

Selecting a Pilot Team

Setting and Managing Expectations

It's Just a Pilot

Additional Reading

## Part II: Individuals

# 6 Overcoming Resistance

Anticipating Resistance

Communicating About the Change

The Hows and Whys of Individual Resistance

Resistance as a Useful Red Flag

Additional Reading

#### 7 New Roles

The Role of the ScrumMaster

The Product Owner

New Roles, Old Responsibilities

Additional Reading

#### 8 Changed Roles

**Analysts** 



**Project Managers** 

Architects

**Functional Managers** 

**Programmers** 

**Database Administrators** 

Testers

User Experience Designers

Three Common Themes

Additional Reading

#### 9 Technical Practices

Strive for Technical Excellence

Design: Intentional yet Emergent

Improving Technical Practices Is Not Optional

Additional Reading

# Part III: Teams

#### 10 Team Structure

Feed Them Two Pizzas

**Favor Feature Teams** 

Self-Organizing Doesn't Mean Randomly Assembled

Put People on One Project

Guidelines for Good Team Structure

Onward

Additional Reading

#### 11 Teamwork

Embrace Whole-Team Resposibility

Rely On Specialists but Sparingly

Do a Little Bit of Everything All the Time

Foster Team Learning

**Encourage Collaboration Through Commitment** 

All Together Now



Additional Reading

#### 12 Leading a Self-Organizing Team

Influencing Self-Organization

Influencing Evolution

There's More to Leadership Than Buying Pizza

Additional Reading

#### 13 The Product Backlog

Shift from Documents to Discussions

Progressively Refine Requirements

Learn to Start Without a Specification

Make the Product Backlog DEEP

Don't Forget to Talk

Additional Reading

#### 14 Sprints

Deliver Working Software Each Sprint

Deliver Something Valuable Each Sprint

Prepare in This Sprint for the Next

Work Together Throughout the Sprint

Keep Timeboxes Regular and Strict

Don't Change the Goal

Get Feedback, Learn, and Adapt

Additional Reading

### 15 Planning

Progressively Refine Plans

Don't Plan on Overtime to Salvage a Plan

Favor Scope Changes When Possible

Separate Estimating from Committing

Summary

Additional Reading

16 Quality



Integrate Testing into the Process

Automate at Different Levels

Do Acceptance TestDriven Development

Pay Off Technical Debt

Quality Is a Team Effort

Additional Reading

# Part IV: The Organization

# 17 Scaling Scrum

Scaling the Product Owner

Working with a Large Product Backlog

**Proactively Manage Dependencies** 

Coordinate Work Among Teams

Scaling the Sprint Planning Meeting

Cultivate Communities of Practice

Scrum Does Scale

Additional Reading

#### 18 Distributed Teams

Decide How to Distribute Multiple Teams

Create Coherence

Get Together in Person

Change How You Communicate

Meetings

Proceed with Caution

Additional Reading

### 19 Coexisting with Other Approaches

Mixing Scrum and Sequential Development

Governance

Compliance

Onward

Additional Reading

20 Human Resources, Facilities, and the PMO



**Human Resources** 

**Facilities** 

The Project Management Office

The Bottom Line

Additional Reading

# Part V: Next Steps

# 21 Seeing How Far You've Come

The Purpose of Measuring

General-Purpose Agility Assessments

Creating Your Own Assessment

A Balanced Scorecard for Scrum Teams

Should We Really Bother with This?

Additional Reading

22 You're Not Done Yet

Reference List

Index

