

Agile Basic Training Series

Series Overview Workbook

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Your responses to any exercises may be sent to agileswqual@gmail.com as well as your suggestions for further modules you would like to see developed.

Instructor Background

(Scott Duncan)

48 years as a developer, technology transfer researcher, process quality consultant, Agile/Scrum coach and trainer

- Book distribution (2 years)
- Law & public safety (courts, parole system, registration & licenses, state police) (1 year)
- Chemical & agricultural products (1.5 years)
- Mainframe database and natural language query products (5 years)
- Bell Labs, Bellcore, Telcordia (15 years)
 - Trained as an ISO 9001 Auditor and CMM assessor
 - Member of ISO & IEEE standards committees
- Credit card transaction processing (6.5 years)
- Since 2004: Scrum (CSM), XP and Lean/Kanban coaching and training (including 2 years as a Scrum Alliance Board of Directors member) (7.5 years)
- Software for the design, construction, and operation of “big things” (144 Scrum teams: US (3 locations), India, Israel, UK (2 locations), Germany, France, Canada) (4.5 years)
- Independent Agile coaching and training (4+ years)



Exercises

What
do you
think?

Throughout the course, you'll see this heading and "What do you think?"

- These are exercises you'll be asked to do yourself and perhaps do with your teams.
- There will also be videos (indicated by a "start" button) for you to view and share with your teams.
- You can also submit your exercise/video responses to be combined with other participant responses and made available so you can also benefit from what others have said.



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Books and Articles of Interest

Agile Manifesto 2001 (<http://www.agilemanifesto.org>)

Alistair Cockburn, *Agile Software Development*

Alistair Cockburn, *Crystal Clear: A Human-Powered Methodology for Small Teams*

Alistair Cockburn, *Surviving Object-Oriented Projects*

Alistair Cockburn, *Writing Effective Use Cases*

Barry Boehm and Richard Turner, *Balancing Agility and Discipline: A Guide for the Perplexed*

Bob Galen, *Scrum Product Ownership: Balancing Value from the Inside Out*

Corey Ladas, *Scrumban*

Craig Larman, *Agile & Iterative Development: A Manager's Guide*

Craig Larman and Victor R. Basili, "Iterative and Incremental Development: A Brief History, IEEE Computer, June, 2003, pp. 47-56

David Andersen, *Kanban*

Fred Brooks, "No Silver Bullet: Essence and Accidents of Software Engineering, IEEE Computer, April, 1987, pp. 10-19

Fred Brooks, *The Mythical Man-Month*

H. Takeuchi and I. Nonaka, *"The New New Product Development Game"*, Harvard Business Review Jan/Feb.: 137-146, 1986

H. Takeuchi and I. Nonaka, *The Knowledge Creating Company*

InfoQ's Culture and Methods topic (among others) at <https://www.infoq.com>

Jean Tabaka, *Collaboration Explained*

Jim Highsmith, *Adaptive Software Development: A Collaborative Approach to Managing Complex Systems*

Jim Highsmith, *Agile Software Development Ecosystems*

John Kotter, *Leading Change*

Jurgen Appelo, *#Workout*

Jurgen Appelo, *Management 3.0: Leading Agile Developers*

Ken Schwaber and Jeff Sutherland, *The Scrum Guide*, (free pdf at <https://www.scrumguides.org/docs/scrumguide/v2020/2020-Scrum-Guide-US.pdf>)

Kenneth Rubin, *Essential Scrum*

Kent Beck, *Extreme Programming Explained: Embrace Change* (or 2nd edition with Cynthia Andres)

Kent Beck, *Test-Driven Development: By Example*

Lyssa Adkins, *Coaching Agile Teams*

Lyssa Adkins, *Coaching Agile Teams: A Companion for ScrumMasters, Agile Coaches, and Project Managers in Transition*

M. M. Lehman and L. A. Belady, *Program Evolution: Processes of Software Change*

Mary and Tom Poppendieck, *Implementing Lean Software Development*

Mary and Tom Poppendieck, *Leading Lean Software Development*

Mary and Tom Poppendieck, *Lean Software Development: An Agile Toolkit*

Michelle Sliger and Stacia Broderick, *The Software Project Manager's Bridge to Agility*

Mike Cohn, *Agile Estimating and Planning*

Mike Cohn, *Succeeding with Agile: Software Development Using Scrum*

Mike Cohn, *User Stories Applied: For Agile Software Development*

Nancy R. Tague, *The Quality Toolbox* 2nd Ed

Robert C. Martin, *Agile Software Development: Principles, Patterns and Practices*

Roman Pichler, *Agile Product Management with Scrum*

Ron Jeffries, Ann Anderson and Chet Hendrickson, *Extreme Programming Installed*

Scott Duncan, *Understanding Agile Values and Principles*, (free pdf at <https://www.infoq.com/minibooks/agile-values-principles>)

Stephan Wolpers, "Food for Agile Thought" postings at <https://age-of-product.com>

Tom DeMarco, *Slack*

Tom DeMarco and Tim Lister, *Peopleware*. New York

Tom DeMarco and Timothy Lister, *Waltzing with Bears: Managing Risk on Software Projects*

W. Edwards Deming, *Out of the Crisis*

W. W. Royce, "Managing the Development of Large Software Systems: Concepts and Techniques", in Proceedings of the WESCON, 1970, pp. 1-9

Before We Close Each Module

At the End of Each Module Consider

- What might colleagues at work benefit from what I have learned?
- What is my key takeaway?
- What might I do differently at work?



What can we improve?

What other topics should we cover?

- Please tell us at agileswqual@gmail.com



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