

Agile Methodologies: An Overview

Duration

2 days

Instructor

Jim Highsmith

Class Limit

20 students

Prerequisite

None

Price

On-site:

Please contact SPC
for pricing (contact
information on page 2)

Public Training:

\$995 (2 days)

*Discount available for
early registration

Materials Provided

- Student manual containing the course slides
- Student handouts with class exercises and class studies

In the past two years a wide range of publications have published articles on what Martin Fowler calls the New Methodologies. There has been a rising interest in these new software development approaches, such as Extreme Programming and Adaptive Software Development, and scores of organizations have developed their own “lighter” approach to building software. Recently, representatives from these new Agile Methodologies and others met to establish an Agile Alliance and to develop a common purpose and principles to help other software professionals think about software development, methodologies, and organizations, in new, more agile ways. This seminar will discuss the idea of Agile Methods and show organizations how to build organizational capabilities for innovation, rapid delivery, and adaptability.

Jim Highsmith is the developer of one of the Agile Methodologies (Adaptive Software Development), and one of the author’s of the Manifesto for Agile Software Development. Questions that organizations need to be asking themselves will be answered in this seminar. What are Agile Methodologies? What problem domains do Agile Methodologies address? What are the common principles behind Agile Methodologies? What are the similarities and differences between the various Agile Methodologies? And, finally, how do we select and tailor an Agile Methodology to fit our organization? In addition to the information on specific Agile Methodologies and their common characteristics, example case studies from projects in multiple countries will be presented.

TRAINING

Agile Methodologies

Instructor

Jim Highsmith is director of the Cutter Consortium's e-Project Management Practice, president of Information Architects, Inc., and author of Adaptive Software Development: A Collaborative Approach to Managing Complex Systems. He has 30 years experience as a consultant, software developer, manager, and writer. Jim has published dozens of articles in major industry publications and his ideas about project management in the Internet era were featured recently in ComputerWorld and the Economic Times in India. In the last ten years, he has worked with both IT organizations and software companies in the US, Europe, Canada, South Africa, Australia, Japan, India, and New Zealand to help them adapt to the accelerated pace of development in increasingly complex, uncertain environments.

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Outline

Turbulent Times

- Need for methodologies that emphasize exploration.

The Best Known Agile Methodologies

- Extreme Programming
- Scrum
- Adaptive Software Development
- Feature-Driven Development
- Lean Development
- Dynamic Systems Development Methodology

The Agile Alliance and the Manifesto for Agile Software Development

- History of the Agile Alliance and the Manifesto for Agile Software Development.

Principles and Practices of Agile Methodologies

- Delivering customer value
- Frequent delivery cycle
- Doing the simplest thing possible
- Using adaptation practices
- Valuing individual capabilities
- Collaboration

Selecting and Tailoring Agile Methodologies

- How teams should select an Agile Methodology suitable to their needs and then tailor it to their specific project.

Managing Agile Organizations

- Managing projects using Agile Methodologies requires a particular set of skills and attitude.
- Measuring results and developing contracts to match an agile approach.