

Agile Java

Agile software development

Agile software development is an umbrella term for approaches to developing software that reflect the values and principles agreed upon by The Agile Alliance

Agile software development is an umbrella term for approaches to developing software that reflect the values and principles agreed upon by The Agile Alliance, a group of 17 software practitioners, in 2001. As documented in their Manifesto for Agile Software Development the practitioners value:

Individuals and interactions over processes and tools

Working software over comprehensive documentation

Customer collaboration over contract negotiation

Responding to change over following a plan

The practitioners cite inspiration from new practices at the time including extreme programming, scrum, dynamic systems development method, adaptive software development, and being sympathetic to the need for an alternative to documentation-driven, heavyweight software development processes.

Many software development practices emerged from the agile mindset. These agile-based practices, sometimes called Agile (with a capital A), include requirements, discovery, and solutions improvement through the collaborative effort of self-organizing and cross-functional teams with their customer(s)/end user(s).

While there is much anecdotal evidence that the agile mindset and agile-based practices improve the software development process, the empirical evidence is limited and less than conclusive.

Javadoc

comments "Javadoc"; agile.csc.ncsu.edu. Archived from the original on 13 June 2017. Retrieved 12 January 2022. "javadoc

The Java API Documentation Generator" - Javadoc (also capitalized as JavaDoc or javadoc) is an API documentation generator for the Java programming language. Based on information in Java source code, Javadoc generates documentation formatted as HTML and other formats via extensions. Javadoc was created by Sun Microsystems and is owned by Oracle today.

The content and formatting of a resulting document are controlled via special markup in source code comments. As this markup is de facto standard and ubiquitous for documenting Java code, many IDEs extract and display the Javadoc information while viewing the source code; often via hover over an associated symbol. Some IDEs, like IntelliJ IDEA, NetBeans and Eclipse, support generating Javadoc template comment blocks. The @tag syntax of Javadoc markup has been re-used by other documentation generators, including Doxygen, JSDoc, EDoc and HeaderDoc.

Javadoc supports extension via doclets and taglets, which allow for generating different output formats and for static analysis of a codebase. For example, JDiff reports changes between two versions of an API.

Although some criticize Javadoc and API document generators in general, one motivation for creating Javadoc was that more traditional (less automated) API documentation is often out-of-date or does not exist due to business constraints such as limited availability of technical writers.

Javadoc has been part of Java since its first release, and is often updated with each release of the Java Development Kit.

Javadoc and the source code comments used by Javadoc, do not affect the performance of a Java executable since comments are ignored by the compiler.

Robert C. Martin

ISBN 978-0521786188. 2002. Agile Software Development, Principles, Patterns, and Practices. Pearson.
ISBN 978-0135974445. 2003. UML for Java Programmers. Prentice

Robert Cecil Martin (born 5 December 1952), colloquially called "Uncle Bob", is an American software engineer, instructor, and author. He is most recognized for promoting many software design principles and for being an author and signatory of the influential Agile Manifesto.

Martin has authored many books and magazine articles. He was the editor-in-chief of C++ Report magazine and served as the first chairman of the Agile Alliance.

Martin joined the software industry at age 17 and is self-taught.

Jira (software)

product developed by Atlassian that allows bug tracking, issue tracking and agile project management. Jira is used by a large number of clients and users

Jira (JEE-r?) is a software product developed by Atlassian that allows bug tracking, issue tracking and agile project management. Jira is used by a large number of clients and users globally for project, time, requirements, task, bug, change, code, test, release, sprint management.

Kent Beck

17 original signatories of the Agile Manifesto, the founding document for agile software development.
Extreme and Agile methods are closely associated

Kent Beck (born 1961) is an American software engineer and the creator of extreme programming, a software development methodology that eschews rigid formal specification for a collaborative and iterative design process. Beck was one of the 17 original signatories of the Agile Manifesto, the founding document for agile software development. Extreme and Agile methods are closely associated with Test-Driven Development (TDD), of which Beck is perhaps the leading proponent.

Beck pioneered software design patterns, as well as the commercial application of Smalltalk. He wrote the SUnit unit testing framework for Smalltalk, which spawned the xUnit series of frameworks, notably JUnit for Java, which Beck wrote with Erich Gamma. Beck popularized CRC cards with Ward Cunningham, the inventor of the wiki.

He lives in San Francisco, California and previously worked at Facebook. In 2019, Beck joined Gusto as a software fellow and coach, where he coaches engineering teams as they build out payroll systems for small businesses.

Thick-billed flowerpecker

days to fledge. Dicaeum agile agile on Helicteres isora in Narsapur, India. Illustration of nest by Joseph Wolf Dicaeum agile agile from Gujarat BirdLife

The thick-billed flowerpecker (*Pachyglossa agilis*) is a tiny bird in the flowerpecker group. They feed predominantly on fruits and are active birds that are mainly seen in the tops of trees in forests. It is a resident bird with a wide distribution across tropical southern Asia from India east to Indonesia and Timor with several populations recognized as subspecies some of which are sometimes treated as full species. This species was formerly placed in the genus *Dicaeum*.

Thoughtworks

consulting services. The company is closely associated with the movement for agile software development, and has contributed to open source products. Thoughtworks

Thoughtworks Holding, Inc. is a privately held, global technology company with 49 offices in 18 countries. It provides software design and delivery, and tools and consulting services. The company is closely associated with the movement for agile software development, and has contributed to open source products. Thoughtworks' business includes Digital Product Development Services, Digital Experience and Distributed Agile software development.

Martin Fowler (software engineer)

specialising in object-oriented analysis and design, UML, patterns, and agile software development methodologies, including extreme programming. His 1999

Martin Fowler (18 December 1963) is a British software developer, author and international public speaker on software development, specialising in object-oriented analysis and design, UML, patterns, and agile software development methodologies, including extreme programming.

His 1999 book *Refactoring* popularised the practice of code refactoring. In 2004 he introduced a new architectural pattern, called Presentation Model (PM).

Mike Cohn

books on Java and C++ programming. Cohn was a keynote speaker on ADAPting to Agile for Continued Success at the Agile 2010 Presented by the Agile Alliance

Mike Cohn (born August 25, 1962) is one of the contributors to the Scrum software development method.

He is one of the founders of the Scrum Alliance.

Allen Holub

more popular Java Toolbox articles, but is mostly new content. It is a valuable resource for Java software developers. Holub signed the Agile Manifesto in

Allen I. Holub (born 1955) is a computer author who was published in Dr. Dobbs's Journal in the 1980s and then again in the 2010s. He also wrote for SD Times. His 1990 book *Compiler Design in C* was praised as an accessible reference. He is also a teacher, consultant, and speaker.

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