

Pragmatic Unit Testing In C

Dave Thomas (programmer)

2003, The Pragmatic Bookshelf, ISBN 0-9745140-1-2 Pragmatic Unit Testing in C# with Nunit, Andrew Hunt and David Thomas, 2004, The Pragmatic Bookshelf

Dave Thomas (born 1960) is a computer programmer, author and editor. He has written about Ruby and together with Andy Hunt, he co-authored The Pragmatic Programmer and runs The Pragmatic Bookshelf publishing company. Thomas moved to the United States from England in 1994 and lives north of Dallas, Texas.

Thomas coined the phrases 'Code Kata' and 'DRY' (Don't Repeat Yourself), and was an original signatory and author of The Manifesto for Agile Software Development. He studied computer science at Imperial College London.

Andy Hunt (author)

ISBN 0-201-71089-7 Pragmatic Version Control Using CVS, David Thomas and Andy Hunt, 2003, The Pragmatic Bookshelf, ISBN 0-9745140-0-4 Pragmatic Unit Testing in Java

Andy Hunt (sometimes credited as Andrew Hunt) is an author on software development. Hunt co-authored The Pragmatic Programmer, ten other books and many articles, and was one of the 17 original authors of the Agile Manifesto. He and partner Dave Thomas founded the Pragmatic Bookshelf series of books for software developers. He also plays the trumpet, flugel horn, and keyboards and produces music at Strange & Special Air Productions.

NUnit

2008-04-15. Hunt, Andrew; Thomas, David (2007). Pragmatic Unit Testing in C# with NUnit, 2nd Ed. The Pragmatic Bookshelf (Raleigh), 2007. ISBN 0-9776166-7-3

NUnit is an open-source unit testing framework for the .NET Framework and Mono. It serves the same purpose as JUnit does in the Java world, and is one of many programs in the xUnit family.

Software testing

focus of a test. Unit testing, a.k.a. component or module testing, is a form of software testing by which isolated source code is tested to validate

Software testing is the act of checking whether software satisfies expectations.

Software testing can provide objective, independent information about the quality of software and the risk of its failure to a user or sponsor.

Software testing can determine the correctness of software for specific scenarios but cannot determine correctness for all scenarios. It cannot find all bugs.

Based on the criteria for measuring correctness from an oracle, software testing employs principles and mechanisms that might recognize a problem. Examples of oracles include specifications, contracts, comparable products, past versions of the same product, inferences about intended or expected purpose, user or customer expectations, relevant standards, and applicable laws.

Software testing is often dynamic in nature...

Acceptance test-driven development

them in combination with other test types, e.g. lower level Unit tests, Cross-functional testing including usability testing, exploratory testing, and

Acceptance test-driven development (ATDD) is a development methodology based on communication between the business customers, the developers, and the testers. ATDD encompasses many of the same practices as specification by example (SBE), behavior-driven development (BDD), example-driven development (EDD), and support-driven development also called story test-driven development (SDD). All these processes aid developers and testers in understanding the customer's needs prior to implementation and allow customers to be able to converse in their own domain language.

ATDD is closely related to test-driven development (TDD). It differs by the emphasis on developer-tester-business customer collaboration. ATDD encompasses acceptance testing, but highlights writing acceptance tests before developers...

Statistical hypothesis test

scientists. Hypothesis testing provides a means of finding test statistics used in significance testing. The concept of power is useful in explaining the consequences

A statistical hypothesis test is a method of statistical inference used to decide whether the data provide sufficient evidence to reject a particular hypothesis. A statistical hypothesis test typically involves a calculation of a test statistic. Then a decision is made, either by comparing the test statistic to a critical value or equivalently by evaluating a p-value computed from the test statistic. Roughly 100 specialized statistical tests are in use and noteworthy.

C. I. Lewis

studying what experience itself is. In Mind and the World Order (1929) Lewis explained that Peirce's "pragmatic test" of significance should be understood

Clarence Irving Lewis (April 12, 1883 – February 3, 1964) was an American academic philosopher. He is considered the progenitor of modern modal logic and the founder of conceptual pragmatism. First a noted logician, he later branched into epistemology, and during the last 20 years of his life, he wrote much on ethics. The New York Times memorialized him as "a leading authority on symbolic logic and on the philosophic concepts of knowledge and value." He coined the term "Qualia" as used in philosophy, linguistics, and cognitive sciences.

POCO C++ Libraries

consistency. Governed primarily by code quality, consistent style and unit testing, POCO is highly portable, and already ported to a variety of different

The Portable Components (POCO) C++ Libraries are computer software, a set of class libraries for developing computer network-centric, portable applications in the programming language C++, and can supplement the C++ Standard Library. The libraries cover functions such as threads, thread synchronizing, file system access, streams, shared libraries and class loading, Internet sockets, and network communications protocols (HTTP, FTP, SMTP, etc.), and include an HTTP server, and an XML parser with SAX2 and DOM interfaces and SQL database access. The modular and efficient design and implementation makes the libraries well suited for embedded system development.

The libraries are free and open-source software distributed under the Boost Software License 1.0.

Inquiry

induction is used to test the sum of the predictions against the sum of the data. It needs to be observed that the classical and pragmatic treatments of the

An inquiry (also spelled as enquiry in British English) is any process that has the aim of augmenting knowledge, resolving doubt, or solving a problem. A theory of inquiry is an account of the various types of inquiry and a treatment of the ways that each type of inquiry achieves its aim.

Usage-based models of language

unpredictable meaning or pragmatic effect, or are formally special. From a broader perspective, construction can also be seen as processing units or chunks, such

Usage-based linguistics is a linguistics approach within a broader functional/cognitive framework, that emerged since the late 1980s, and that assumes a profound relation between linguistic structure and usage. It challenges the dominant focus, in 20th century linguistics (and in particular in formalism-generativism), on considering language as an isolated system removed from its use in human interaction and human cognition. Rather, usage-based models posit that linguistic information is expressed via context-sensitive mental processing and mental representations, which have the cognitive ability to succinctly account for the complexity of actual language use at all levels (phonetics and phonology, morphology and syntax, pragmatics and semantics). Broadly speaking, a usage-based model of language...

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