

## Refactoring Improving The Design Of Existing Code Martin Fowler

RefactoringThe Guru's Guide to Transact-SQLExtreme Programming and Agile Methods - XP/Agile Universe 2002Developing Applications with Visual Basic and UMLEssential Skills for the Agile DeveloperDeveloping Applications Using Outlook 2000, CDO, Exchange, and Visual BasicRefactoringSt. Martin's-le-grandRefactoringReal-time UMLDr. Dobb's Journal of Software Tools for the Professional ProgrammerThe Codes and Statutes of California, as Amended and in Force at the Close of the Twenty-sixth Session of the Legislature, 1885: Political codeJournal of Object-oriented ProgrammingDr. Dobb's JournalIIOP CompleteThe General Statutes and Codes of the State of Washington: Code of procedure. Penal code. ConstitutionThe General Statutes and Codes of the State of Washington: Code of procedureSocial Transformations Of The Victorian AgeNucleonicsC/C++ Users Journal Martin Fowler Ken Henderson Don Wells Paul R. Reed Alan Shalloway Raffaele Piemonte Martin Fowler Martin Fowler Bruce Powel Douglass Frank P. Deering William A. Ruh Washington (State) Washington (State) T.H.S. Escott

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as the application of object technology particularly the java programming language has become commonplace a new problem has emerged to confront the software development community significant numbers of poorly designed programs have been created by less experienced developers resulting in applications that are inefficient and hard to maintain and extend increasingly software system professionals are discovering just how difficult it is to work with these inherited non optimal applications for several years expert level object programmers have employed a growing collection of techniques to improve the structural integrity and performance of such existing software programs referred to as refactoring these practices have remained in the domain of experts because no attempt has been made to transcribe the lore into a form that all developers could use until now in refactoring improving the design of existing code renowned object technology mentor martin fowler breaks new ground demystifying these master practices and demonstrating how software practitioners can realize the significant benefits of this new process

with proper training a skilled system designer can take a bad design and rework it into well designed robust code in this book martin fowler shows you where opportunities for refactoring typically can be found and how to go about reworking a bad design into a good one each refactoring step is simple seemingly too simple to be worth doing refactoring may involve moving a field from one class to another or pulling some code out of a method to turn it into its own method or even pushing some code up or down a hierarchy while these individual steps may seem elementary the cumulative effect of such small changes can radically improve the design refactoring is a proven way to prevent software decay in addition to discussing the various techniques of refactoring the author provides a detailed catalog of more than seventy proven refactorings with helpful pointers that teach you when to apply them step by step instructions for applying each refactoring and an example illustrating how the refactoring works the illustrative examples are written in java but the ideas are applicable to any object oriented programming language

a book cd rom guide to mastering microsoft transact sql and developing the best possible code some 600 code examples not only illustrate important concepts and best practices but also provide working transact sql code that can be incorporated into real world dbms applications begins by explaining language fundamentals such as database and table creation then moves on to advanced topics such as ole automation the cd rom contains a set of code examples from the book plus a sql programming environment henderson is a nationally recognized consultant and leading dbms practitioner annotation copyrighted by book news inc portland or

the second xp universe and rst agile universe brought together many people interested in building software in a new way held in chicago august 4 7 2002 it attracted software experts educators and developers unlike most conferences the venue was very dynamic many activities were not even well defined in advance all discussions were encouraged to be spontaneous even so there were some written words available and you are holding all of them now we have collected as much material as possible together into this small volume it is just the tip of the iceberg of course a reminder to us of what we learned the people we met and the ideas we expressed the conference papers including research and experience papers are reproduced in these proceedings forty one 41 papers were submitted each submitted paper received three reviews by program committee members the program committee consisted of 40 members papers submitted by program committee members were refereed separately this ensured that reviewers could provide an honest feedback not seen by the paper submitters in many cases the program committee shepherded authors to significantly improve their initial submission prior to completing the version contained in these proceedings in the end the program committee chose 25 papers for publication 60 acceptance

reed's guide includes detailed coverage of architecting vb enterprise applications and features working examples and step by step instructions for planning and development of an order entry system detailing do's and don'ts for analysis design and construction cd rom contains several templates for applying uml as well as complete rational rose models for the sample applications

agile has become today's dominant software development paradigm but agile methods remain difficult to measure and improve essential skills for the agile developer fills this gap from the bottom up teaching proven techniques for assessing and optimizing both individual and team agile practices written by four principals of net objectives one of the world's leading agile training and consulting firms this book reflects their unsurpassed experience helping organizations transition to agile it focuses on the specific actions and insights that can deliver the greatest design and

programming improvements with economical investment the authors reveal key factors associated with successful agile projects and offer practical ways to measure them through actual examples they address principles attitudes habits technical practices and design considerations and above all show how to bring all these together to deliver higher value software using the authors techniques managers and teams can optimize the whole organization and the whole product across its entire lifecycle essential skills for the agile developer shows how to perform programming by intention separate use from construction consider testability before writing code avoid over and under design succeed with acceptance test driven development atdd minimize complexity and rework use encapsulation more effectively and systematically know when and how to use inheritance prepare for change more successfully perform continuous integration more successfully master powerful best practices for design and refactoring

this is the must have book for programming with outlook and cdo this book provides the details tips and cautions that can save you time and frustration when building collaborative applications so if you like the best in your technical library get this book deborah kurata instep technologies inc written for it developers who build collaborative and workflow applications this book provides a comprehensive reference to working with microsoft s powerful collaborative development environment including outlook 2000 exchange server visual basic and the collaboration data objects cdo library it demonstrates ways in which these technologies can be tied together into effective business solutions from small scale groupware to large scale enterprise wide systems developing applications using outlook 2000 cdo exchange and visual basic offers an overview of the microsoft collaborative landscape and then examines each element of that environment in detail numerous examples showcase the applications made possible with these technologies and demonstrate vbscript coding techniques you will find in depth information on such important topics as properties methods and events available in outlook 97 98 and 2000 the outlook 2000 object model working with outlook 2000 mail calendar task and address book capabilities vba and com add ins using outlook forms and vbscript outlook web access the forms 2 0 to html converter tool the cdo rendering object model exchange agents and routing objects in addition this book shows how a number of outside technologies can extend the capabilities of the outlook exchange development environment including active directory adsi services sql server and activex data objects ado the examples include approving purchase order reports using exchange maintaining a corporate directory using outlook and sql server and building an ecommerce application with exchange and sql server a comprehensive supporting site including sample code and visual basic project files can be found at [mmanet.com/outlookexchange/0201615754b04062001](http://mmanet.com/outlookexchange/0201615754b04062001)

refactoring is gaining momentum amongst the object oriented programming community it can transform the internal dynamics of applications and has the capacity to transform bad code into good code this book offers an introduction to refactoring

martin fowler s guide to reworking bad code into well structured code refactoring improves the design of existing code and enhances software maintainability as well as making existing code easier to understand original agile manifesto signer and software development thought leader martin fowler provides a catalog of refactorings that explains why you should refactor how to recognize code that needs refactoring and how to actually do it successfully no matter what language you use refactoring principles understand the process and general principles of refactoring

code smells recognize bad smells in code that signal opportunities to refactor application improvement quickly apply useful refactorings to make a program easier to comprehend and change building tests writing good tests increases a programmer's effectiveness moving features an important part of refactoring is moving elements between contexts data structures a collection of refactorings to organize data an important role in programs conditional logic use refactorings to make conditional sections easier to understand apis modules and their functions are the building blocks of our software and apis are the joints that we use to plug them together inheritance it is both very useful and easy to misuse and it's often hard to see the misuse until it's in the rear view mirror refactorings can fix the misuse examples are written in javascript but you shouldn't find it difficult to adapt the refactorings to whatever language you are currently using as they look mostly the same in different languages whenever you read refactoring it's time to read it again and if you haven't read it yet please do before writing another line of code david heinemeier hansson creator of ruby on rails founder cto at basecamp any fool can write code that a computer can understand good programmers write code that humans can understand m fowler 1999

real time and embedded systems must make the most of very limited processor and memory sources and uml is an invaluable tool for achieving these goals key topics include information on tradeoffs associated with each object design approach design patterns and identification strategies detailed appendix on omg and more

the internet inter orb protocol iiop is a communications mechanism that allows object request brokers orbs to communicate with one another iiop is an integral part of the broader common object request broker architecture corba standard that has been developed and widely promoted throughout industry by the object management group iiop was designed to allow disparate software components to communicate with one another and it ensures interoperability on top of the most popular communications protocol in use today tcp ip while iiop is a specialized subset of the broader corba specification its popularity is increasing steadily in fact iiop support has become one of the standard checkbox items that software vendors are adding to their product descriptions this book provides a broad perspective of iiop allowing any corba developer to gain an in depth understanding of this foundational standard in turn an increased knowledge of iiop allows systems developers to more easily build interoperable objects for the enterprise

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