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Software Development Using Java A Case Study Approach

Daniel F McAuley

Software Development Using Java A Case Study Approach:

Software Development Davide Brugali,Marco Torchiano,2005 In order to be able to write good software students will need to be familiar with a range of techniques good programming practice experience of problem solving familiarity with development methodologies and knowledge of software processes This book takes a new approach to the teaching of software development Using a collection of case studies it takes the student through the whole life cycle of building an application starting at problem formulation requirements analysis system design and the detail of the Java coding and testing Each case study exploits object oriented concepts and techniques incrementally with each case application getting more complex than the one before it traces the path from problem statement through to implementation of the solution giving guidance that is useful in subsequent case studies gives a conceptual roadmap where the student can follow the development of an application and use those general principles in future software development uses a different methodology from a stand alone application computer simulator to a distributed system messaging server through to a more complex system workflow management system   Diving into Eclipse Web Perspective Dr Poornima G.Naik , Dr Kavita S Oza, N A   *Object-oriented Software Development Using Java* Xiaoping Jia,2003 Jia software engineering DePaul University helps readers develop skills in designing software and especially in writing object oriented programs using Java The text provides broad coverage of object oriented technology including object oriented modeling using the Unified Modeling Language UML object oriented design using design patterns and object oriented programming using Java This second edition offers expanded coverage of design patterns enhanced material on UML and a new introduction to the iterative software development process made popular by extreme programming Learning features include chapter summaries exercises and projects   Handbook of Research on Digitalization Solutions for Social and Economic Needs Pettinger, Richard,Gupta, Brij B.,Roja, Alexandru,Cozmiuc, Diana,2023-02-27 Digital solutions are sufficiently versatile and agile to shape business processes and enterprise architecture answer the COVID 19 crisis solve climate change temper political conflict generate new employment operating models and solve health issues These solutions benefit businesses as an integral part of the economy and society and therefore must be studied further to ensure they are utilized appropriately The Handbook of Research on Digitalization Solutions for Social and Economic Needs introduces the agile operating model that has triggered digital transformation and the plethora of ways it has become of practical use recently The book also argues the business rationale of digitalization Covering key topics such as innovation sustainability and business transformation this major reference work is ideal for business owners managers computer scientists industry professionals researchers scholars academicians librarians policymakers practitioners educators and students   Modern Software Development Using Java Paul T. Tymann,G. Michael Schneider,2008 Now updated for the latest release of Java the Second Edition of Modern Software Development Using Java continues to blaze a new path for today s CS2 students Tymann and Schneider s contemporary approach focuses on what

students need to learn in the CS2 course in order to appreciate what is truly important today in the areas of software design and development This text covers such current software development ideas as object oriented design UML data structure libraries net centric programming threads and GUIs all presented in a way that is fully accessible and motivating The new edition has been fully revised to take advantage of the new features in Java 5 0 and all material is Java 6 0 compliant

ECIC2014-Proceedings of the 6th European Conference on Intellectual Capital Dagmar Cagáňová,Miloš Čambál,2014-10-04 **Advances and Innovations in Systems, Computing Sciences and Software Engineering** Khaled Elleithy,2007-08-28 Advances and Innovations in Systems Computing Sciences and Software Engineering includes a set of rigorously reviewed world class manuscripts addressing and detailing state of the art research projects in the areas of Computing Sciences Software Engineering and Systems Advances and Innovations in Systems Computing Sciences and Software Engineering includes selected papers form the conference proceedings of the International Conference on Systems Computing Sciences and Software Engineering SCSS 2006 which was part of the International Joint Conferences on Computer Information and Systems Sciences and Engineering CISSE 2006 All aspects of the conference were managed on line not only the reviewing submissions and registration processes but also the actual conference Conference participants authors presenters and attendees only needed an internet connection and sound available on their computers in order to be able to contribute and participate in this international ground breaking conference The on line structure of this high quality event allowed academic professionals and industry participants to contribute work and attend world class technical presentations based on rigorously refereed submissions live without the need for investing significant travel funds or time out of the office Suffice to say that CISSE received submissions from more than 70 countries for whose researchers this opportunity presented a much more affordable dynamic and well planned event to attend and submit their work to versus a classic on the ground conference The CISSE conference audio room provided superb audio even over low speed internet connections the ability to display PowerPoint presentations and cross platform compatibility the conferencing software runs on Windows Mac and any other operating system that supports Java In addition the conferencing system allowed for an unlimited number of participants which in turn granted CISSE the opportunity to allow all participants to attend all presentations as opposed to limiting the number of available seats for each session *Extreme Programming and Agile Methods - XP/Agile Universe 2003* Frank Maurer,2003-07-29 This book constitutes the refereed proceedings of the XP Agile Universe 2003 Conference held in New Orleans LA USA in August 2003 The 17 revised full papers presented together with abstracts or papers from an educator symposium and workshop summaries were carefully reviewed and selected from 35 submissions The papers are organized in topical sections on becoming agile agile methods and processes agile testing and tool support for agile teams **Business Agility and Information Technology Diffusion** Richard Baskerville,2005-05-11 This book addresses issues related to business agility and the diffusion of Information Technology IT Success even survival in

today s business environment has been made complex and difficult by technologically based competitive pressure One promising strategy is to be agile and ready to adapt quickly to changes in the environment or market Such strategy takes shape as an agile software development agile manufacturing agile modeling and agile iterations In contrast successful IT diffusion is known to be a process that takes time and careful effort Many IT projects that succeeded in developing a product have subsequently failed in changing the behavior of the target group when diffusion just didn t happen Therefore this volume responds to the question What is the relationship between agility and IT diffusion The book s scope covers information systems and technology issues as well as organizational and managerial issues related to agility and IT diffusion The planned perspectives include topics such as diffusion of agile methods enabling business agility with IT creating agile environments that facilitate diffusion of IT theories and frameworks for understanding diffusion and agility issues best practices relating to business agility and IT diffusion software process improvement and agility diffusion studies of specific agile technologies and impacts of diffusion of IT agile methods *Object-oriented Program Development Using Java* Gary J. Bronson,2004 Connecting with students of all levels in the Introductory Programming course Gary Bronson builds the problem solving skills that students need to be successful in Computer Science Bronson presents a new and unique method of introducing class and object oriented design using familiar examples of recipes and product plans both of which contain lists of procedures and materials These fundamental ideas and design techniques are clearly applied throughout the text and further highlighted in the Program Design and Development sections in later chapters This very well written text engages a wide variety of students It includes a wealth of pedagogical learning aids to guide students while enriching the course for more advanced students with special features like the Closer Look boxes Teaching object oriented programming from the beginning the book also introduces the Unified Modeling Language UML and provides an Internet Development Environment on the accompanying CD ROM Overall this book equips students for success with a solid foundation in problem solving and object oriented programming **IBM Systems Journal** International Business Machines Corporation,2002 **Introduction to Java Programming** Y. Daniel Liang,2009 Groundbreaking fundamentals first approach enables readers to understand the basics before being introduced to more challenging topics Liang offers one of the broadest ranges of carefully chosen examples reinforcing key concepts with objectives lists introduction and chapter overviews easy to follow examples chapter summaries review questions programming exercises and interactive self test Now uses standard classes only Uses UML diagrams in every example starting chapter 8 Includes additional notes with diagrams Comprehensive coverage of Java and programming make this a useful reference for IT professionals **Proceedings of the ... International ACM SIGPLAN Conference on Principles and Practice of Declarative Programming** ,2004 **The C++ Report** ,1998 **Product Focused Software Process Improvement** ,2002 **Visual C# 2005** Harvey M. Deitel,Paul J. Deitel,2006 Learn how to build winning C applications start to finish using the Deitels proven methodology and

signature Live Code tm Approach This new edition includes extensive use of Visual Studio 2005 s new visual programming tools that tremendously reduce the amount of code programmers need to write in ADO NET and ASP NET applications With these new tools programmers can develop powerful ADO NET and ASP NET applications quickly and easily You ll start with an introduction to C and Visual C 2005 Express After examining methods and arrays the Deitels present an in depth introduction to object oriented programming They introduce powerful exception handling techniques for building mission critical software followed by in depth coverage of C based GUI development Coverage also includes multithreading strings characters regular expressions graphics files and streams and more Next you ll extend your C applications to leverage XML and NET as you master ADO NET database access and ASP NET Web services delivery An integrated optional ATM case study teaches object oriented design with UML tm 2 0 while a new GradeBook case study aids in the discussion of early classes and objects From networking to security the Deitels present hundreds of expert tips on good programming practices avoiding errors maximizing performance testing and debugging For beginning programmers and for developers experienced with traditional languages who want to master C quickly   Journal of Object-oriented Programming ,2000   *Proceedings* ,2002 This text contains information on database and information systems presented at the 5th IEEE international symposium on Object Oriented Real Time Distributed Computing ISORC 2002   **Visual Basic 2005** Harvey M. Deitel,Paul J. Deitel,2006 With Visual Basic NET Microsoft transforms Visual Basic into a supercharged tool for developing next generation Web services and Windows applications Now learn Visual Basic NET hands on through thousands of lines of live code in hundreds of complete working programs explained with exceptional clarity by the renowned programming trainers of Deitel then covers all key VB NET programming fundamentals from control structures to methods arrays and object oriented programming It delivers in depth coverage of VB NET GUI development multithreading graphics and multimedia XML programming database development with SQL and ADO NET building Web Forms and Web Services with ASP NET network programming data structures accessibility and more The book contains hundreds of real world tips and techniques for writing high quality code improving performance and reliability and efficient debugging An accompanying CD ROM contains all of the book s source code up to date Visual Studio 2005 development tools plus links to the Web s best Visual Basic NET demos and resources For all beginning programmers and developers experienced with traditional languages who want to master Visual Basic NET quickly   2nd IEEE International Symposium on Object-Oriented Real-Time Distributed Computing (ISORC'99) ,1999 Presents papers from a May 1999 symposium in sections on analysis and design middleware and operating systems applications tools and services modeling and evaluation object oriented techniques for resource constrained architectures QoS assurance software architecture fault tolerance and re

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