Application Requirements Document

Conallen introduces architects and designers and client/server systems to issues and techniques of developing software for the Web. He expects readers to be familiar with object-oriented principles and concepts, particularly with UML (unified modeling language), and at least one Web application architecture or environment. The second edition incorporates both technical developments and his experience since 1999. He does not provide a bibliography. Annotation copyrighted by Book News, Inc., Portland, OR

Functional Requirements Document for the NASA/MSFC Earth Science and Application DivisionData and Information System (ESAD-DIS) Interoperability, 1992Safety, Performance and Interoperability Requirements Document for ATSA-SURF ApplicationBusiness Intelligence RoadmapThe Complete Project Lifecycle for Decision-support ApplicationsAddison-Wesley Professional

The fourth edition of the European Conference on Model-Driven Architecture – Foundations and Applications (ECMDA-FA 2008) was dedicated to furthering the state of knowledge and fostering the industrialization of the model-driven architecture (MDA) methodology. MDA is an initiative proposed by the - ject Management Group (OMG) for platform-generic software development. It promotes the use of models in the speci?cation, design, analysis, synthesis, - ployment, and evolution of complex software systems. ECMDA-FA 2008 focused on engaging key European and international - searchers and practitioners in a dialogue which will result in a stronger, more e?cientindustry,producingmorereliablesoftwareonthebasisofstate-of-the-art research results. ECMDA-FA is a forum for exchanging information, discussing the latest results and arguing about future developments of MDA. It is a pleasure to be able to introduce the proceedings of ECMDA-FA 2008. ECMDA-FA addresses various MDA areas including model management, e- cutable models, concrete syntaxes, aspects and concerns, validation and te- ing, model-based systems engineering, model-driven development and servi- oriented architectures, and the application of model-driven development. Therearesomanypeople whodeservewarmthanksandgratitude.The fru- ful collaboration of the Organization, Steering and Program Committee m- bersandthevibrantcommunityledtoasuccessfulconference:ECMDA-FA2008 obtainedexcellentresultsintermsofsubmissions,programsize,andattendance. The Program Committee accepted, with the help of additional reviewers, research papers and industry papers for ECMDA-FA 2008: We received 87 s- missions. Of these, a total of 31 were accepted including 21 research papers and 10 industry papers. We thank them for the thorough and high-quality selection process.

This software will enable the user to learn about business intelligence roadmap.

Please note that the content of this book primarily consists of articles available from Wikipedia or other free sources online. Pages: 46. Chapters: Business requirements, Conceptual model (computer science), DO-178B, DO-178C, Domain model, Endeavour Software Project Management, ERequirements, Event partitioning, Facilitated Application Specification Techniques, Fit/gap analysis, Functional requirement, FURPS, Goal-oriented Requirements Language, Goal modeling, Hardware compatibility list, I*, IBM Rational DOORS, International Requirements Engineering Board, Joint application design, KAOS (software development), Misuse case, MoReq2, Needs analysis, Non-functional requirement, Non-functional requirements framework, PREview, Problem frames approach, Product requirements document, Requirements analysis, Requirements elicitation, Requirements management, Requirements traceability, Requirement prioritization, Software requirements specification, System requirements, Traceability matrix, Use-case analysis, User requirements document, User story, Use Case Diagram, Use case survey, Vision document.

JSP developers encounter unique problems when building web applications that require intense database connectivity. MySQL and JSP Web Applications addresses the challenges of building data-driven applications based on the JavaServer Pages development model. MySQL and JSP Web Applications begins with an overview of the core technologies required for JSP database development--JavaServer Pages, JDBC, and the database schema. The book then outlines and presents an Internet commerce application that demonstrates concepts such as receiving and processing user input, designing and implementing business rules, and balancing the user load on the server. Through the JDBC (Java DataBase Connector), the developer can communicate with most commercial databases, such as Oracle. The solutions presented in MySQL and JSP Web Applications center on the open source tools MySQL and Tomcat, allowing the reader an affordable way to test applications and experiment with the book's examples.

How can a domestic software team compete with outsourced solutions?How can you form a business-driven software development shop and get around 'big IT'?How can you deliver robust technical solutions, in half the time, at a fraction of the normal cost?RA/PID demonstrates how to construct a team of hybrid business analyst / programmers that can break down the barriers between project management, business and technical architecture, and coding. The resulting team member is a streamlined, hyper-efficient Development Analyst that can greatly reduce the development lifecycle.RA/PID presents a project management model that ensures timely delivery of robust functionality utilizing an easy to understand, quick-moving process that puts the business partner in the project driver's seat.

Following an introductory chapter that provides an exploration of key issues in requirements engineering, this book is organized in three parts. It presents surveys of requirements engineering process research along with critical assessments of existing models, frameworks and techniques. It also addresses key areas in requirements engineering.

Applications of Natural Language to Information Systems covers high academic quality papers on the following topics: natural language interfaces to databases, information retrieval, use of linguistic tools and electronic dictionaries, conceptual modelling, paraphrasing and validating information system models, the use of natural language as a specification interface for the design of information systems, linguistic aspects of database view integration and hypertext facilities for database querying. Furthermore the typical applications of natural language, are addressed, presented both from a scientific as well as an industrial perspective by Peter Chen, the inventor of the ER model, and Gerald Kristen, the founder of the KISS company. Other topics: - Natural Language Specification; - Natural Language Paraphrasing; - Linguistic Tools and Electronic Dictionaries; - Database Hypertext Facilities; - Information Retrieval; - Natural Language Database Interfaces; - Conceptual Modeling with Linguistic Knowledge; - Linguistic Aspects of Database View Integration.

A Must-Have Reference for both Business and IT Professionals! - Discover and Deal with how IT works in the real world - Understand Information People and what makes them tick - Build and maintain powerful and positive relationships between the Business and IT that move your Business forward - Create and manage effective IT teams that get the job done on time, within budget, and increase company

revenue - Understand and manage the Business Politics of IT - Make sense of Business Technology and have it work for you - Get familiar with new methodologies that are influencing the future of technology - Learn to avoid the pitfalls that result in IT project failures and waste money - Inspire Business teams to focus on obtaining the unfair advantage in their industry through the intelligent and managed use of technology - Discover how to use meaningful technology to improve the quality of life of everyone who wants and needs it

This book presents the scientific outcomes of the 6th International Conference on Applied Computing and Information Technology (ACIT 2018), which was held in Kunming, China on June 13–15, 2018. The aim of this conference was to bring together researchers and scientists, businessmen and entrepreneurs, teachers, engineers, computer users, and students to discuss the numerous fields of computer science and to share their experiences and exchange new ideas and information in a meaningful way. The book includes research findings on all aspects (theory, applications and tools) of computer and information science and discusses the practical challenges encountered and the solutions adopted to address them. The book features 13 of the conference's most promising papers.

In today's unforgiving business environment where customers demand zero defect software at lower costs—it is testing that provides the opportunity for software companies to separate themselves from the competition. Providing a fresh perspective on this increasingly important function, Software Testing as a Service explains, in simple language, how to use software testing to improve productivity, reduce time to market, and reduce costly errors. The book explains how the normal functions of manufacturing can be applied to commoditize the software testing service to achieve consistent quality across all software projects. This up-to-date reference reviews different software testing tools, techniques, and practices and provides succinct guidance on how to estimate costs, allocate resources, and make competitive bids. Replete with examples and case histories, this book shows software development managers, software testers, testing managers, and entrepreneurs how proper planning can lead to the creation of software that proves itself to be head and shoulders above the competition.

The Code of Federal Regulations is the codification of the general and permanent rules published in the Federal Register by the executive departments and agencies of the Federal Government.

"This document provides the minimum operational, Safety, and Performance Requirements (SPR) and Interoperability equirements (INTEROP) for the implementation of Airborne Traffic Situational Awareness (ATSA) for "Enhanced Visual Separation on Approach" (VSA). The ATSA-VSA application is fully defined. The document defines and allocates the set of minimum requirements for the end-to-end operational, safety, performance, and interoperability aspects for implementations of the ATSA-VSA application. The requirements contained in this document are necessary to provide adequate assurance that the appropriate aspects of the relevant Communication Navigation Surveillance and Air Traffic Management (CNS/ATM) system, when operating together, will perform their intended function in an acceptably safe manner for the operations defined in the OSED. The system here includes ground and airborne elements. The document was developed jointly by RTCA Special Committee 186 and EUROCAE Working Group 51 - within the group commonly referred to as the "ADS-B Requirements Focus Group" (RFG)."--RTCA Web site.

MICROSOFT VISUAL BASIC 2010: COMPLETE teaches students the essentials of computer programming using the latest Visual Basic programming language, Visual Basic 2010. Nine chapters and four appendices cover topics such as designing a Visual Basic user interface, creating a windows application, variables and arithmetic operations, mobile applications using decision structures, loop structures, Visual Studio tools for Office applications, and function procedures and exception handling. Written in a straight-forward style with the innovative Guided Program Development section in each chapter, this text makes it easy for any novice programmer to understand the core capabilities and fundamental skills and techniques for Visual Basic 2010. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Written by one of the best known object-oriented practitioners in the business, Process Patterns is based on proven, real-world techniques. Scott Ambler shows readers how to successfully deliver large-scale applications using object technology and carefully describes how one develops applications that are truly easy to maintain and to enhance. He shows how such projects can be supported and points out what is necessary to ensure that one's development efforts are of the best quality. His object-oriented software process (OOSP) is geared toward medium to large-size organizations that need to internally develop software to support their main line of business. Developers and project managers who have just taken their first OO development course will find this book essential. It describes the only OOSP to take the true needs of development into consideration, including cross-project, maintenance, operations, and support issues. This book uses the Unified Modeling Language (UML).

Now readers can master Microsoft Visual Basic with the step-by-step, visual approach and professional programming opportunities in MICROSOFT VISUAL BASIC 2015 FOR WINDOWS, WEB, WINDOWS STORE, AND DATABASE APPLICATIONS: COMPREHENSIVE. This book's innovative step-by-step approach blends demonstrations of professional-quality programs with in-depth discussions of programming concepts and techniques. Reader have numerous opportunities for hands-on practice and actual programming in each chapter. The new edition retains popular features and pedagogy from this best-selling series, while emphasizing changes in today's increasingly mobile-oriented world. This book provides a strong foundation for the number one job in today's tech sector -- app development -- as readers learn Windows programming for 2015, including Windows Desktop, database, web, and Windows Store development. Chapter 12, which covers the Windows Store, will be posted online at CengageBrain.com, to provide readers with the latest updates for Windows 10. Important Notice: Media content referenced within the product description or the product text may not be availbale in the ebook version.

Perspectives On Software Requirements presents perspectives on several current approaches to software requirements. Each chapter addresses a specific problem where the authors summarize their experiences and results to produce well-fit and traceable requirements. Chapters highlight familiar issues with recent results and experiences, which are accompanied by chapters describing well-tuned new methods for specific domains.

Java has quickly become one of the most important languages in programming, particularly for professional and enterprise-level projects. From its infancy as a language primarily used for web applets to its maturity through servlets, Enterprise JavaBeans, and database access, Java has become a complex and robust tool for today's developer.Hardcore Java takes this language and breaks it apart, piece by piece, revealing the important secrets and tricks that will take you from a junior-level programmer to a seasoned and expert developer. You'll fly through the fundamentals and quickly find yourself learning about advanced memory management techniques, optimization and bytecode-level enhancements, and the techniques required to build lightning-fast GUIs. Throughout the book, you'll also master the art of writing and maintaining bulletproof and error-proof code, all while grasping the intricacies of the Java language.Hardcore Java covers: Use of the final keyword to optimize and protect your Java classes. Complete and thorough coverage of all types of nested classes, including how to optimize anonymous and inner classes. Detailed discussion of immutable objects, including unique tips on when to use them (and when not to). Elimination of bugs through exception-handling management. In-depth studies of constants, including their impact on the Java memory model. The most thorough discussion of reflection in print, moving far beyond other books' "Hello World" coverage.

Construction and use of dynamic proxies, in both Java Standard and Enterprise editions. Expansive coverage of weak references, including usage patterns and their role in garbage collection

and memory management. Hardcore Java is an invaluable addition to every programmer's library, and even the most advanced developers will find themselves moving beyond their own conceptions into truly advanced applications of the language. Thousands of lines of code, heavily commented and easily runnable, illustrate each concept in the book.

Powerful Earthquake Triggers Tsunami in Pacific. Hurricane Isaac Makes Landfall in the Gulf Coast. Wildfires Burn Hundreds of Houses and Businesses in Colorado. Tornado Touches Down in Missouri. These headlines not only have caught the attention of people around the world, they have had a significant effect on IT professionals as well. The new 2nd Edition of Business Continuity and Disaster Recovery for IT Professionals gives you the most up-to-date planning and risk management techniques for business continuity and disaster recovery (BCDR). With distributed networks, increasing demands for confidentiality, integrity and availability of data, and the widespread risks to the security of personal, confidential and sensitive data, no organization can afford to ignore the need for disaster planning. Author Susan Snedaker shares her expertise with you, including the most current options for disaster recovery and communication, BCDR for mobile devices, and the latest infrastructure considerations including cloud, virtualization, clustering, and more. Snedaker also provides you with new case studies in several business areas, along with a review of high availability and information security in healthcare IT. Don't be caught off guard—Business Continuity and Disaster Recovery for IT Professionals, 2nd Edition , is required reading for anyone in the IT field charged with keeping information secure and systems up and running. Complete coverage of the 3 categories of disaster: natural hazards, human-caused hazards, and accidental / technical hazards Extensive disaster planning and readiness checklists for IT infrastructure, enterprise applications, servers and desktops Clear guidance on developing alternate work and computing sites and emergency facilities Actionable advice on emergency readiness and response Up-to-date information on the legal implications of data loss following a security breach or disaster

Case-based reasoning (CBR) is an Artificial Intelligence (AI) technique to support the capability of reasoning and learning in advanced decision support systems. CBR exploits the specific knowledge collected on previously encountered and solved situations, which are known as cases. In this book, we have collected a selection of papers on very recent CBR applications. These, after an in-depth analysis of their specific application domain needs, propose proper methodological solutions and give encouraging evaluation results, which have in some cases led to the commercialization step. The collected contributions demonstrate the capability of CBR to solve or handle issues which would be too difficult to manage with other classical AI methods and techniques, such as rules or models. The heterogeneity of the involved application domains indicates the flexibility of CBR, and its applicability in all those fields where experiential knowledge is (readily) available.

This volume, RF and Microwave Applications and Systems, includes a wide range of articles that discuss RF and microwave systems used for communication and radar and heating applications. Commercial, avionics, medical, and military applications are addressed. An overview of commercial communications systems is provided. Past, current, and emerging cellular systems, navigation systems, and satellite-based systems are discussed. Specific voice and data commercial systems are investigated more thoroughly in individual chapters that follow. Detailed discussions of military electronics, avionics, and radar (both military and automotive) are provided in separate chapters. A chapter focusing on FR/microwave energy used for therapeutic medicine is also provided. Systems considerations including thermal, mechanical, reliability, power management, and safety are discussed in separate chapters. Engineering processes are also explored in articles about corporate initiatives, cost modeling, and design reviews. The book closes with a discussion of the underlying physics of electromagnetic propagation and interference. In addition to new chapters on WiMAX and broadband cable, nearly every existing chapter features extensive updates and several were completely rewritten to reflect the massive changes areas such as radio navigation and electronic warfare.

The software requirements for the High Performance Computing and Communication Program High Speed Civil Transport application project, referred to as HSCT4.0, are described. The objective of the HSCT4.0 application project is to demonstrate the application of high-performance computing techniques to the problem of multidisciplinary design optimization of a supersonic transport configuration, using high-fidelity analysis simulations. Descriptions of the various functions (and the relationships among them) that make up the multidisciplinary application as well as the constraints on the software design arc provided. This document serves to establish an agreement between the suppliers and the customer as to what the HSCT4.0 application should do and provides to the software developers the information necessary to design and implement the system.Salas, A. O. and Walsh, J. L. and Mason, B. H. and Weston, R. P. and Townsend, J. C. and Samareh, J. A. and Green, L. L.Langley Research CenterSOFTWARE ENGINEERING; DESIGN OPTIMIZATION; REQUIREMENTS; APPLICATIONS PROGRAMS (COMPUTERS); CIVIL AVIATION; PROGRAM VERIFICATION (COMPUTERS)

Do your business intelligence (BI) projects take too long to deliver? Is the value of the deliverables less than satisfactory? Do these projects propagate poor data management practices? If you screamed "yes" to any of these questions, read this book to master a proven approach to building your enterprise data warehouse and BI initiatives. Extreme Scoping, based on the Business Intelligence Roadmap, will show you how to build analytics applications rapidly yet not sacrifice data management and enterprise architecture. In addition, all of the roles required to deliver all seven steps of this agile methodology are explained along with many real-world examples. From Wayne Eckerson's Foreword I've read many books about data warehousing and business intelligence (BI). This book by Larissa Moss is one of the best. I should not be surprised. Larissa has spent years refining the craft of designing, building, and delivering BI applications. Over the years, she has developed a keen insight about what works and doesn't work in BI. This book brings to light the wealth of that development experience. Best of all, this is not some dry text that laboriously steps readers through a technical methodology. Larissa expresses her ideas in a clear, concise, and persuasive manner. I highlighted so many beautifully written and insightful paragraphs in her manuscript that it became comical. I desperately wanted the final, published book rather than the manuscript so I could dog-ear it to death and place it front-and-center in my office bookshelf! From David Well's Foreword Extreme Scoping is rich with advice and guidance for virtually every aspect of BI projects from planning and requirements to deployment and from back-end data management to front-end information and analytics services. Larissa is both a pragmatist and an independent thinker. Those qualities come through in the style of this book. Extreme Scoping is a well-written book that is easy to absorb. It is not full of surprises. It is filled with a lot of common sense and lessons learned through experience.

Visual Basic is a favorite programming language, so if you're new to programming, it's a great place to start. Visual Basic 2008 For Dummies is the fun and easy way to begin creating

applications right away while you get the hang of using the Visual Studio environment. Soon you'll be building all sorts of useful stuff with VB 2008! This step-by-step guide walks you through a logical series of tasks that build your skills as you get comfortable with .Net terminology, theory, tools, and design principles. You'll learn how to build an application in four different architectural styles, and you'll find out how to make your programs validate input and output, make decisions, and protect themselves from security threats. Discover how to: Install the Visual Studio environment Write a VB program Use Web forms, Windows forms, and Web services Establish good programming practices Create class libraries Write secure applications Debug your applications Work with strings and "if-then" statements Iterate with counted and nested loops Pass arguments and get return values Access data with VB.NET Work with the file system using VB You'll also find great tips for working with the VB user interface, using VB.NET in C# programming, troubleshooting your VB programs, taking your programming to the next level, and more! Once you get your hands on Visual Basic 2008 For Dummies, you'll be programming like a genius in no time!

Become efficient in both frontend and backend web development with Spring and Vue Key Features Connect application's frontend and backend with Vue, Vuex, and Spring Boot Leverage the latest web standards to enhance code performance, readability, and cross-compatibility Build secure full-stack web applications with Spring Security Book Description Building Applications with Spring 5 and Vue.js 2, with its practical approach, helps you become a full-stack web developer. As well as knowing how to write frontend and backend code, a developer has to tackle all problems encountered in the application development life cycle – starting from the simple idea of an application, to the UI and technical designs, and all the way to implementation, testing, production deployment, and monitoring. With the help of this book, you'll get to grips with Spring 5 and Vue.js 2 as you learn how to develop a web application. From the initial structuring to full deployment, you'll be guided at every step of developing a web application from scratch with Vue.js 2 and Spring 5. You'll learn how to create different components of your application as you progress through each chapter, followed by exploring different tools in these frameworks to expedite your development cycle. By the end of this book, you'll have gained a complete understanding of the key design patterns and best practices that underpin professional full-stack web development. What you will learn Analyze requirements and design data models Develop a single-page application using Vue.js 2 and Spring 5 Practice concept, logical, and physical data modeling Design, implement, secure, and test RESTful API Add test cases to improve reliability of an application Monitor and deploy your application to production Who this book is for Building Applications with Spring 5.0 and Vue.js 2.0 is for you if you are developer who is new to Vue.js or Spring. It is assumed that you have some knowledge of HTML, CSS, and Java.

A Standard for Auditing Computer Applications is a dynamic new resource for evaluating all aspects of automated business systems and systems environments. At the heart of A Standard for Auditing Computer Applications system is a set of customizable workpapers that provide blow-by-blow coverage of all phases of the IT audit process for traditional mainframe, distributed processing, and client/server environments. A Standard for Auditing Computer Applications was developed by Marty Krist, an acknowledged and respected expert in IT auditing. Drawing upon his more than twenty years of auditing experience with leading enterprise organizations, worldwide, Marty walks you step-by-step through the audit process for system environments and specific applications and utilities. He clearly spells out what you need to look for and where to look for it, and he provides expert advice and guidance on how to successfully address a problem when you find one. When you order A Standard for Auditing Computer Applications, you receive a powerful package containing all the forms, checklists, and templates you'll ever need to conduct successful audits on an easy to use CD-ROM. Designed to function as a handy, on-the-job resource, the book follows a concise, quick-access format. It begins with an overview of the general issues inherent in any IT review. This is followed by a comprehensive review of the audit planning process. The remainder of the book provides you with detailed, point-by-point breakdowns along with proven tools for: evaluating systems environments-covers all the bases, including IT administration, security, backup and recovery planning, systems development, and more Evaluating existing controls for determining hardware and software reliability Assessing the new system development process Evaluating all aspects of individual applications, from I/O, processing and logical and physical security to documentation, training, and programmed procedures Assessing specific applications and utilities, including e-mail, groupware, finance and accounting applications, CAD, R&D, production applications, and more