

Sync vs Async Communication

Request and wait for a response
Fire and forget with messages/events

@lorey/23

Synchronous



Request-response model

Send a request and wait for some response
Example: API requests

Asynchronous



Fire and Forget model

Send message/event and forget
Example: Event Driven Architecture

Pro Async Communication

Scott C. Dulebohn



Pro Async Communication:

Professional BlazeDS Shashank Tiwari, 2011-01-06 A hands on guide to creating Rich Internet Applications RIA using BlazeDS BlazeDS enables you to easily connect to back end distributed data and push data in real time to Adobe Flex and Adobe AIR applications in order to garner more responsive Rich Internet Application RIA experiences It is a scalable option for Flex and Java integration and allows you to create excellent RIAs with both Flex and Java This informative resource provides you with detailed examples and walkthroughs that explain the best practices for creating RIAs using BlazeDS You ll begin with the essentials of BlazeDS and then more on to more advanced topics Along the way you ll learn the real world concerns that surround enterprise based Java and Flex applications BlazeDS enables you to connect to back end distributed data in order to garner more responsive Rich Internet Application RIA experiences Begins with an introduction to BlazeDS and explains the necessary features for integrating new and existing Java data sources and applications with Flex based RIAs Provides hands on examples and addresses real world concerns surrounding enterprise based Java and Flex applications Serves as a comprehensive walk through for creating RIAs using BlazeDS If you re looking to create rich productive and engaging applications then this book is for you Note CD ROM DVD and other supplementary materials are not included as part of eBook file

Business and Professional Communication Curtis Newbold, Jessie Lynn Richards, 2025-01-07 Business and Professional Communication A Human Centered Approach First Edition prepares students to succeed in today s workplace defined by changing technology a diversifying workforce and an increase in remote and hybrid work Authors Curtis Newbold and Jessie Lynn Richards help students see that business communication is more than just a series of documents meetings and presentations it s a human centered process that requires a holistic understanding of communication across modes and contexts With accessibility and inclusion leading the way Business and Professional Communication encourages students to be more conscientious purposeful and ethical in the way they communicate at work and beyond

The Mental Health Professional and the New Technologies Marlene M. Maheu, Myron L. Pulier, Frank H. Wilhelm, Joseph P. McMenemy, Nancy E. Brown-Connolly, 2004-09-22 In the last two decades new communication technologies have dramatically changed the world in which mental health professionals and their patients live Developments such as e mail online chat groups Web pages search engines and electronic databases are directly or indirectly affecting most people s routines and expectations Other developments are poised to do so in the near future Already for example patients are acquiring both good and bad advice and information on the Web many expect to be able to reach their therapists by e mail And already there is pressure from third party payers for providers to submit claims electronically These technological breakthroughs have the potential to make mental health care more widely available and accessible affordable acceptable to patients and adaptable to special needs But many mental health professionals as well as those who train them are skeptical about integrating the new capabilities into their services and question the ethical and legal appropriateness of doing so

Those unfamiliar with the technologies tend to be particularly doubtful How much e mail contact with patients should I encourage or permit and for what purposes Why should I set up a Web site and how do I do so and what should I put on it Should I refer patients to chat groups or Web based discussion forums Could video conferencing be a helpful tool in some cases and what is involved How do I avoid trouble if I dare to experiment with innovations And last but not least will the results of my experimentation be cost effective The book includes an extensive overview of legal and regulatory issues such as those raised by the Health Insurance Portability and Accountability Act HIPAA concrete technical ethical and managerial suggestions summarized in a seven step Online Consultation Risk Management model and how to resource lists and sample documents of use to beginners and experienced professionals alike For better or worse no mental health professional today can avoid confronting the issues presented by the new technologies The Mental Health Professional and the New Technologies A Handbook for Practice Today will enormously simplify the job of thinking through the issues and making clinically ethically and legally prudent decisions

Professional ASP.NET 4.5 in C# and VB Jason N. Gaylord, Christian Wenz, Pranav Rastogi, Todd Miranda, Scott Hanselman, 2013-04-26 The all new approach for experienced ASP NET professionals ASP NET is Microsoft s technology for building dynamically generated web pages from database content Originally introduced in 2002 ASP NET has undergone many changes in multiple versions and iterations as developers have gained a decade of experience with this popular technology With that decade of experience this edition of the book presents a fresh new overhauled approach A new focus on how to build ASP NET sites and applications relying on field tested reliable methods Integration of One ASP NET philosophy treating ASP NET Web Forms and ASP NET MVC as equal tools each with their proper time and place Coverage of hot new ASP NET 4 5 additions such as the Web API Websockets and HTML5 CSS3 use in layout but only to the extent that the tools themselves are practical and useful for working ASP NET developers Professional ASP NET 4 5 in C and VB is an essential tool for programmers who need to be productive and build reliably performing sites with the latest ASP NET Framework and Visual Studio

Head First Software Architecture Raju Gandhi, Mark Richards, Neal Ford, 2024-03-06 What will you learn from this book If you re a software developer looking for a quick on ramp to software architecture this handy guide is a great place to start From the authors of Fundamentals of Software Architecture Head First Software Architecture teaches you how to think architecturally and explores the unique challenges of software architecture You ll learn the distinction between architecture and design and the relationship between code components and architectural styles You ll also learn how to work with some common architectural styles through vivid fun examples Quick easy and entertaining this book is a valuable introduction to the world of software architecture Why does this book look so different Based on the latest research in cognitive science and learning theory Head First Software Architecture uses a visually rich format to engage your mind rather than a text heavy approach that puts you to sleep Why waste your time struggling with new concepts This multisensory learning experience is designed for the way your brain really

works Geological Survey Professional Paper Geological Survey (U.S.),1982 CISSP: Certified Information Systems Security Professional Study Guide James Michael Stewart,Ed Tittel,Mike Chapple,2005-12-13 CISSP Certified Information Systems Security Professional Study Guide Here s the book you need to prepare for the challenging CISSP exam from ISC 2 This third edition was developed to meet the exacting requirements of today s security certification candidates and has been thoroughly updated to cover recent technological advances in the field of IT security In addition to the consistent and accessible instructional approach that readers have come to expect from Sybex this book provides Clear and concise information on critical security technologies and topics Practical examples and insights drawn from real world experience Expanded coverage of key topics such as biometrics auditing and accountability and software security testing Leading edge exam preparation software including a testing engine and electronic flashcards for your PC Pocket PC and Palm handheld You ll find authoritative coverage of key exam topics including Access Control Systems Methodology Applications Systems Development Business Continuity Planning Cryptography Law Investigation Ethics Operations Security Physical Security Security Architecture Models and Management Practices Telecommunications Network Internet Security **U.S. Geological Survey Professional Paper** ,1982 **Intercultural Rhetoric and Professional Communication: Technological Advances and Organizational Behavior** Thatcher, Barry,2011-12-31 This book explores the theory and practice of rhetoric and professional communication in intercultural contexts providing a framework for translating localizing and internationalizing communications and information products around the world Provided by publisher ISC2 CISSP Certified Information Systems Security Professional Official Study Guide Mike Chapple,James Michael Stewart,Darril Gibson,2024-05-24 CISSP Study Guide fully updated for the 2024 CISSP Body of Knowledge ISC2 Certified Information Systems Security Professional CISSP Official Study Guide 10th Edition has been completely updated based on the latest 2024 CISSP Detailed Content Outline This bestselling Sybex Study Guide covers 100% of the CISSP objectives You ll prepare smarter and faster with Sybex thanks to expert content knowledge from our real world experience access to the Sybex online interactive learning environment and much more Reinforce what you ve learned with key topic Study Essentials and chapter review questions The book s co authors bring decades of experience as cybersecurity practitioners and educators integrating real world expertise with the practical knowledge you ll need to successfully prove your CISSP mastery Combined they ve taught cybersecurity concepts to millions of students through their books video courses and live training programs Along with the book you also get access to Sybex s superior online interactive learning environment that includes Over 900 practice test questions with complete answer explanations This includes all of the questions from the book plus four additional online only practice exams each with 125 unique questions You can use the online only practice exams as full exam simulations Our questions will help you identify where you need to study more More than 1000 Electronic Flashcards to reinforce your learning and give you last minute test prep A searchable glossary in PDF to give you instant access to the key terms you need

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