Sync vs Async Communication

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

@lexpey123

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

Async Communication For Beginners

Patrick Vollmar

Async Communication For Beginners:

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your programs or to loop over the same piece of code many times Once you re comfortable with the basics you ll move on to one of the key ideas in JavaScript the object You ll learn how to take advantage of the objects that are native to the JavaScript language such as dates and strings and find out how these objects enable you to manage complex data and simplify your programs Next you ll see how you can use JavaScript to manipulate objects made available to you in the browser such as forms windows and other controls Using this knowledge you can start to create truly professional looking applications that enable you to interact with the user Long pieces of code are very hard to get right every time even for the experienced programmer and JavaScript code is no exception You look at common syntax and logical errors how you can spot them and how to use the Microsoft Script Debugger to aid you with this task Also you need to examine how to handle the errors that slip through the net and ensure that these do not detract from the experience of the end user of your application From here you ll move on to more advanced topics such as using cookies and jazzing up your web pages with dynamic HTML and XML Finally you ll be looking at a relatively new and exciting technology remote scripting This allows your JavaScript in a HTML page to communicate directly with a server and useful for say looking up information on a database sitting on your server If you have the Google toolbar you ll have seen something like this in action already When you type a search word in the Google toolbar it comes up with suggestions which it ge *Beginning ASP.NET 1.0 with C#* Chris Goode,John Kauffman,Christopher L. Miller,Neil Raybould,S. Srinivasa Sivakumar,Dave Sussman,Ollie Cornes,Rob Birdwell,Matt Butler,Gary Johnson,Ajoy Krishnamoorthy,Juan T. Llibre,Chris Ullman,2004-05-17 What is this book about ASP NET 1 0 is the final release of Microsoft s Active Server Pages ASP It is a powerful server based technology designed to create dynamic interactive HTML pages for web sites and corporate intranets ASP NET is a core element of Microsoft s exciting NET vision building on the strengths of the NET Framework to provide many new features not seen in previous versions of ASP This book entirely revised and updated for the final release will provide you with a step by step introduction to ASP NET using C with plenty of worked examples to help you to gain a deep understanding of what ASP NET is all about and how you can harness it to build powerful web applications What does this book cover In this book you will learn how to Create basic ASP NET pages with C Understand the concepts of Object Oriented Programming Work with data and XML Debug and handling errors in your code Use ASP NET Server Controls Create user controls and components Explore the world of Web services Optimize performance Secure your application By the end of this book you will be able to understand adapt maintain and secure ASP NET web sites with ease Who is this book for This book is aimed at relatively inexperienced web builders who are looking to enrich their sites with dynamically generated content and want to learn how to start building web applications using ASP NET Developers who have a little experience with previous versions of ASP and are looking to move over to ASP NET may also find this book helpful in getting a simple grasp on what ASP NET is what it does and how it can be used Experience of basic HTML is required but previous experience of ASP is not essential We ll be teaching the basics of C in this

book so prior experience with the language is not required *Teaching a College-level Communication Course Via Asynchronous Learning Networks* F. Jill Charboneau,1999 **The ARRL Handbook for Radio Communications** ,2003 *Introduction to Data Communications Using Novell NetWare (4.11)* Ann Beheler,1999 For Introuctory courses in Data Communications or Novell Netware Describes major data communications devices and systems Shows the use of both wide area and local area networks Explains network design fundamentals Discusses important Novell Netware 4 11 topics ranging from overview through user creation login script creation printing file system rights Novell Directory Services rights and troubleshooting Publisher *Communications and Networking for the IBM PC and Compatibles* Larry E. Jordan,Bruce Churchill,1992 Complete full spectrum guide to network planning and implementation by practicing systems professionals Features step by step explanations of every aspect of data communications including cost benefit installation and troubleshooting procedures **Data Communications Software Design** Malcolm G. Lane,1985 **The ARRL Handbook for Radio Amateurs, 2003** American Radio Relay League,2002 Includes a searchable index of QST product reviews a database on over 1000 equipment and parts suppliers and several other programs Communications and Networking for the IBM PC Larry E. Jordan,Bruce Churchill,1983 Treats in General the Applications of the IBM PC in Data Communications in Detail Local Area Networking **The ARRL Handbook for the Radio Amateur** ,2001 **Communication Electronics** Louis Frenzel,1999-11 Communication Electronics 3 e is a comprehensive introduction to communication circuits and systems for students with a background in basic electronics All of the chapters have been revised and updated to include the latest circuitry systems and applications **Communications and Networking for the IBM PC & Compatibles** Larry E. Jordan,Bruce Churchill,1987 Data Communications and Networking Fundamentals Using Novell NetWare Emilio Ramos,Al Schroeder,Lawrence Simpson,1992 **Data Communications** ,1992 **Introduction to Computing** Charles M. Tolbert,1985 **Automating the Office** Elizabeth Ann Regan,1989 **Business Data Communications** Behrouz A. Forouzan,2003 Designed for use in a data communications course for business majors This book blends a technical presentation of networking concepts with many business applications Each chapters is mapped out with chapter objectives and an overview at the beginning It uses Business Emphasis boxes to pull out important business applications Conference Proceedings ,1984 *Frontiers in Computer Communications Technology* J. J. Garcia-Luna-Aceves,1988

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