

Sync vs Async Communication

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

@lorenz/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

For Beginners Async Communication

N Noddings



For Beginners Async Communication:

Django for Beginners, Fifth Edition William S. Vincent, 2024-07-11 Completely updated for Django 5 Django for Beginners is a project based introduction to Django the popular Python based web framework It is suitable for total beginners who have never built a website before and professional programmers looking for a fast paced guide to modern web development and Django fundamentals The completely revised fifth edition takes a practical approach introducing concepts through six projects designed to simulate real world scenarios From a Hello World website to a message board application a blogging platform and a newspaper CMS you ll learn about Django s architecture and how to add new functionality step by step This book is for readers with basic Python knowledge and programmers transitioning to Django from other web frameworks It is a fast paced guide that aligns with current best practices and modern web development with Django ensuring you re learning the most relevant and applicable skills In the book you ll learn how to Build 6 websites from scratch including a Blog platform and Newspaper CMS Deploy online using security best practices Implement signup login logout password change and password reset Customize the look and feel of your sites Write tests and run them for all your code Add permissions and authorizations to make your app more secure If you re curious about Python based web development Django for Beginners is a best practices guide to writing testing and deploying your own websites quickly [Beginning JavaScript](#)

Jeremy McPeak, 2015-02-18 The bestselling JavaScript guide updated with current features and best practices Beginning JavaScript 5th Edition shows you how to work effectively with JavaScript frameworks functions and modern browsers and teaches more effective coding practices using HTML5 This new edition has been extensively updated to reflect the way JavaScript is most commonly used today introducing you to the latest tools and techniques available to JavaScript developers Coverage includes modern coding practices using HTML5 markup the JSON data format DOM APIs the jQuery framework and more Exercises with solutions provide plenty of opportunity to practice and the companion website offers downloadable code for all examples given in the book Learn JavaScript using the most up to date coding style Understand JSON functions events and feature detection Utilize the new HTML5 elements and the related API Explore new features including geolocation local storage and more JavaScript has shaped the Web from a passive medium into one that is rich dynamic and interactive No matter the technology on the server side it s JavaScript that makes it come alive in the browser To learn JavaScript the way it s used today Beginning JavaScript 5th Edition is your concise guide *Beginning ASP.NET for Visual Studio 2015* William Penberthy, 2016-01-26 The complete guide to the productivity and performance enhancements in ASP NET Beginning ASP NET for Visual Studio 2015 is your ultimate guide to the latest upgrade of this historically popular framework Fully updated to align with the vNext release this new edition walks you through the new tools and features that make your workflow smoother and your applications stronger You ll get up to speed on the productivity and performance improvements and learn how Microsoft has committed itself to more continuous innovation by increasing its release cadence

for all products and services going forward Coverage includes Async aware debugging ADO NET idle connection resiliency managed return value inspection ASP NET app suspension on demand large object heap compaction multi core JIT and more The news of an off cycle update to ASP NET came as a surprise but its announcement garnered cheers at the 2014 Microsoft BUILD conference This guide shows you what all the fuss is about and how Microsoft overhauled the latest ASP NET release Get acquainted with the new developer productivity features Master the new tools that build better applications Discover what s new in Windows Store app development Learn how Microsoft fixed the issues that kept you from v5 Over 38 million websites are currently using ASP NET and the new upgrade is already leading to increased adoption Programmers need to master v6 to remain relevant as web development moves forward Beginning ASP NET for Visual Studio 2015 walks you through the details and shows you what you need to know so you can get up and running quickly

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Beginning Ajax with ASP.NET Wallace B. McClure, 2006-09-05 By leveraging a number of existing and popular technologies Ajax allows Web applications to make quick updates to the user interface without reloading the entire browser page It is an ideal resource for developers who want to get started with Ajax oriented Web developments using current technologies in particular Atlas

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