

# Modern PHP New Features And Good Practices

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The Art of Modern PHP 8 - JOSEPH. EDMONDS 2021-09

Design Patterns in PHP and Laravel - Kelt Dockins 2016-12-27

Learn each of the original gang of four design patterns, and how they are relevant to modern PHP and Laravel development. Written by a working developer who uses these patterns every day, you will easily be able to implement each pattern into your workflow and improve your development. Each pattern is covered with full examples of how it can be used. Too often design patterns are explained using tricky concepts, when in fact they are easy to use and can enrich your everyday development. Design Patterns in PHP and Laravel aims to break down tricky concepts into humorous and easy-to-recall details, so that you can begin using design patterns easily in your everyday work with PHP and Laravel. This book teaches you design patterns in PHP and Laravel using real-world examples and plenty of humor. What You Will Learn Use the original gang of four design patterns in your PHP and Laravel development How each pattern should be used Solve problems when using the patterns Remember each pattern using mnemonics Who This Book Is For People using Laravel and PHP

to do their job and want to improve their understanding of design patterns.

**Mastering PHP 7** - Branko Ajzele 2017-06-27

Effective, readable, and robust codes in PHP About This Book Leverage the newest tools available in PHP 7 to build scalable applications Embrace serverless architecture and the reactive programming paradigm, which are the latest additions to the PHP ecosystem Explore dependency injection and implement design patterns to write elegant code Who This Book Is For This book is for intermediate level developers who want to become a master of PHP. Basic knowledge of PHP is required across areas such as basic syntax, types, variables, constants, expressions, operators, control structures, and functions. What You Will Learn Grasp the current state of PHP language and the PHP standards Effectively implement logging and error handling during development Build services through SOAP and REST and Apache Trift Get to know the benefits of serverless architecture Understand the basic principles of reactive programming to write asynchronous code Practically implement several important design patterns Write efficient code by executing

dependency injection See the working of all magic methods Handle the command-line area tools and processes Control the development process with proper debugging and profiling In Detail PHP is a server-side scripting language that is widely used for web development. With this book, you will get a deep understanding of the advanced programming concepts in PHP and how to apply it practically The book starts by unveiling the new features of PHP 7 and walks you through several important standards set by PHP Framework Interop Group (PHP-FIG). You'll see, in detail, the working of all magic methods, and the importance of effective PHP OOP concepts, which will enable you to write effective PHP code. You will find out how to implement design patterns and resolve dependencies to make your code base more elegant and readable. You will also build web services alongside microservices architecture, interact with databases, and work around third-party packages to enrich applications. This book delves into the details of PHP performance optimization. You will learn about serverless architecture and the reactive programming paradigm that found its way in the PHP ecosystem. The book also explores the best ways of testing your code, debugging, tracing, profiling, and deploying your PHP application. By the end of the book, you will be able to create readable, reliable, and robust applications in PHP to meet modern day requirements in the software industry. Style and approach This is a comprehensive, step-by-step practical guide to developing scalable applications using PHP 7.1

**Learning PHP, MySQL & JavaScript** - Robin Nixon 2018-05-09

Build interactive, data-driven websites with the potent combination of open source technologies and web standards, even if you have only basic HTML knowledge. In this update to this popular hands-on guide, you'll tackle dynamic web programming with the latest versions of today's core technologies: PHP, MySQL, JavaScript, CSS, HTML5, and key jQuery libraries. Web designers will

learn how to use these technologies together and pick up valuable web programming practices along the way—including how to optimize websites for mobile devices. At the end of the book, you'll put everything together to build a fully functional social networking site suitable for both desktop and mobile browsers. Explore MySQL, from database structure to complex queries Use the MySQLi extension, PHP's improved MySQL interface Create dynamic PHP web pages that tailor themselves to the user Manage cookies and sessions and maintain a high level of security Enhance the JavaScript language with jQuery and jQuery mobile libraries Use Ajax calls for background browser-server communication Style your web pages by acquiring CSS2 and CSS3 skills Implement HTML5 features, including geolocation, audio, video, and the canvas element Reformat your websites into mobile web apps

### **PHP 8 Programming Tips, Tricks and Best Practices** - Doug Bierer

2021-08-27

Discover effective techniques, workarounds, and expert guidance for avoiding situations where your application might break following PHP 8 migration Key Features Get the hang of all the new features introduced in PHP 8 Learn how to detect potential code breaks and keep your application code running smoothly in PHP 8 Explore an exciting new trend - asynchronous PHP programming using Swoole and Fibers Book Description Thanks to its ease of use, PHP is a highly popular programming language used on over 78% of all web servers connected to the Internet. PHP 8 Programming Tips, Tricks, and Best Practices will help you to get up-to-speed with PHP 8 quickly. The book is intended for any PHP developer who wants to become familiar with the cool new features available in PHP 8, and covers areas where developers might experience backward compatibility issues with their existing code after a PHP 8 update. The book thoroughly explores best practices, and highlights ways in which PHP 8 enforces these practices in a much more rigorous fashion than its earlier versions.

You'll start by exploring new PHP 8 features in the area of object-oriented programming (OOP), followed by enhancements at the procedural level. You'll then learn about potential backward compatible breaks and discover best practices for improving performance. The last chapter of the book gives you insights into PHP async, a revolutionary new way of programming, by providing detailed coverage and examples of asynchronous programming using the Swoole extension and Fibers. By the end of this PHP book, you'll not only have mastered the new features, but you'll also know exactly what to watch out for when migrating older PHP applications to PHP 8. What you will learn Gain a comprehensive understanding of the new PHP 8 object-oriented features Discover new PHP 8 procedural programming enhancements Understand improvements in error handling in PHP 8 Identify potential backward compatibility issues Avoid traps due to changes in PHP extensions Find out which features have been deprecated and/or removed in PHP 8 Become well-versed with programming best practices enforced by PHP 8 Who this book is for This book is for PHP developers at all levels who have experience in PHP 5 or above. If you're just getting started with PHP, you'll find the code examples useful for learning the language. Developers who have worked for a few months on one or more PHP projects will be able to apply the tips and techniques to the code at hand, while those with many years of PHP experience are sure to appreciate the concise coverage of new PHP 8 features.

The Art of Modern PHP 8 - Joseph Edmonds 2021-10-26

Discover how to apply the principles of OOP, types, and package management the right way Key Features Explore the latest PHP 8.1 features and modern web development practices Refactor your legacy codebase using modern features and styles in PHP Create your own Composer packages that can be reused across all PHP projects Book Description PHP has come a long way since its introduction. While the language has evolved with PHP 8,

there are still a lot of websites running on a version of PHP that is no longer supported. If you are a PHP developer working with legacy PHP systems and want to discover the tenants of modern PHP, this is the book for you. The Art of Modern PHP 8 walks you through the latest PHP features and language concepts. The book helps you upgrade your knowledge of PHP programming and practices. Starting with object-oriented programming (OOP) in PHP and related language features, you'll work through modern programming techniques such as inheritance, understand how it contrasts with composition, and finally look at more advanced language features. You'll learn about the MVC pattern by developing your own MVC system and advance to understanding what a DI container does by building a toy DI container. The book gives you an overview of Composer and how to use it to create reusable PHP packages. You'll also find techniques for deploying these packages to package libraries for other developers to explore. By the end of this PHP book, you'll have equipped yourself with modern server-side programming techniques using the latest versions of PHP. What you will learn Understand how to use modern PHP features such as objects, types, and more Get to grips with PHP package management using Composer Explore dependency injection for your PHP applications Find out what the differences are between legacy and modern PHP 8 code and practices Write clean PHP code and implement design patterns Get hands-on with modern PHP using examples applying MVC and DI techniques Who this book is for The book is for existing PHP developers and CTO-level professionals who are working with PHP technologies, including legacy PHP, in production. The book assumes beginner-level knowledge of PHP programming as well as experience with server-side development.

Pro Functional PHP Programming - Rob Aley 2017-09-27

Bring the power of functional programming to your PHP applications. From performance optimizations to concurrency, improved testability to

code brevity, functional programming has a host of benefits when compared to traditional imperative programming. Part one of Pro Functional PHP Programming takes you through the basics of functional programming, outlining the key concepts and how they translate into standard PHP functions and code. Part two takes this theory and shows you the strategies for implementing it to solve real problems in your new or existing PHP applications. Functional programming is popular in languages such as Lisp, Scheme and Clojure, but PHP also contains all you need to write functional code. This book will show you how to take advantage of functional programming in your own projects, utilizing the PHP programming language that you already know. What You'll Learn Discover functional programming in PHP Work with functional programming functions Design strategies for high-performance applications Manage business logic with functions Use functional programming in object-oriented and procedural applications Employ helper libraries in your application Process big data with functional PHP Who This Book Is For Programmers and web developers with experience of PHP who are looking to get more out of their PHP coding and be able to do more with PHP.

*Building a Web Application with PHP and MariaDB: A Reference Guide* - Sai Srinivas Sriparasa 2014-06-16 This is a step-by-step, tutorial guide designed to help readers transition from beginners to more experienced developers using clear explanations. The variety of examples will help readers build, secure, and host real-time web applications. If you are a developer who wants to use PHP and MariaDB to build web applications, this book is ideal for you. Beginners can use this book to start with the basics and learn how to build and host web applications. Seasoned PHP Developers can use this book to get familiar with the new features of PHP 5.4 and 5.5, unit testing, caching, security, and performance optimization.

**PHP 7 Programming Cookbook** - Doug Bierer 2016-08-30

Over 80 recipes that will take your PHP 7 web development skills to the next level! About This Book This is the most up-to-date book in the market on PHP It covers the new features of version 7.x, best practices for server-side programming, and MVC frameworks The recipe-based approach will allow you to explore the unique capabilities that PHP offers to web programmers Who This Book Is For If you are an aspiring web developer, mobile developer, or backend programmer, then this book is for you as it will take your PHP programming skills to next level. Basic knowledge of PHP programming is assumed. What You Will Learn Use advanced PHP 7 features, such as the Abstract Syntax Tree, Uniform Variable Syntax, Scalar Type Hints, Generator Delegation, Anonymous Classes, and the Context Sensitive Lexer Discover where and when PHP 5 code needs to be re-written to avoid backwards-compatibility breaks Improve the overall application security and error handling by taking advantage of classes that implement the new throwable interface Solve practical real-world programming problems using PHP 7 Develop middle-wareclasses that allow PHP developers to gluedifferent open source libraries together seamlessly Define and Implement PSR-7 classes Create custom middleware using PSR-7 compliant classes Test and debug your code, and get to know the best practices In Detail PHP 7 comes with a myriad of new features and great tools to optimize your code and make your code perform faster than in previous versions. Most importantly, it allows you to maintain high traffic on your websites with low-cost hardware and servers through a multithreading web server. This book demonstrates intermediate to advanced PHP techniques with a focus on PHP 7. Each recipe is designed to solve practical, real-world problems faced by PHP developers like yourself every day. We also cover new ways of writing PHP code made possible only in version 7. In addition, we discuss backward-compatibility breaks and give you plenty of guidance on when

and where PHP 5 code needs to be changed to produce the correct results when running under PHP 7. This book also incorporates the latest PHP 7.x features. By the end of the book, you will be equipped with the tools and skills required to deliver efficient applications for your websites and enterprises. Style and approach This book takes a recipe-based approach, with real-world examples that can serve as building blocks for a larger application. Each recipe is self-contained with no external dependencies. This book follows a problem-solution strategy so you understand how to deal with various scenarios you may encounter while using PHP 7 in your daily activities.

#### **Learning PHP, MySQL, JavaScript, and CSS** - Robin Nixon 2012-08-27

Learn how to build interactive, data-driven websites—even if you don't have any previous programming experience. If you know how to build static sites with HTML, this popular guide will help you tackle dynamic web programming. You'll get a thorough grounding in today's core open source technologies: PHP, MySQL, JavaScript, and CSS. Explore each technology separately, learn how to combine them, and pick up valuable web programming concepts along the way, including objects, XHTML, cookies, and session management. This book provides review questions in each chapter to help you apply what you've learned. Learn PHP essentials and the basics of object-oriented programming Master MySQL, from database structure to complex queries Create web pages with PHP and MySQL by integrating forms and other HTML features Learn JavaScript fundamentals, from functions and event handling to accessing the Document Object Model Pick up CSS basics for formatting and styling your web pages Turn your website into a highly dynamic environment with Ajax calls Upload and manipulate files and images, validate user input, and secure your applications Explore a working example that brings all of the ingredients together

Learning PHP 7 - Antonio Lopez  
2016-03-29

Learn the art of PHP programming through this example-rich book filled to the brim with tutorials every PHP developer needs to know About This Book Set up the PHP environment and get started with web programming Leverage the potential of PHP for server-side programming, memory management, and object-oriented programming (OOP) This book is packed with real-life examples to help you implement the concepts as you learn Who This Book Is For If you are a web developer or programmer who wants to create real-life web applications using PHP 7, or a beginner who wants to get started with PHP 7

programming, this book is for you. Prior knowledge of PHP, PHP 7, or programming is not mandatory. What You Will Learn Set up a server on your machine with PHP Use PHP syntax with the built-in server to create apps Apply the OOP paradigm to PHP to write richer code Use MySQL to manage data in your web applications Create a web application from scratch using MVC Add tests to your web application and write testable code Use an existing PHP framework to build and manage your applications Build REST APIs for your PHP applications Test the behavior of web applications with Behat In Detail PHP is a great language for building web applications. It is essentially a server-side scripting language that is also used for general purpose programming. PHP 7 is the latest version with a host of new features, and it provides major backwards-compatibility breaks. This book begins with the fundamentals of PHP programming by covering the basic concepts such as variables, functions, class, and objects. You will set up PHP server on your machine and learn to read and write procedural PHP code. After getting an understanding of OOP as a paradigm, you will execute MySQL queries on your database. Moving on, you will find out how to use MVC to create applications from scratch and add tests. Then, you will build REST APIs and perform behavioral tests on your applications. By the end of the book, you will have the skills required to read and write files, debug, test,

and work with MySQL. Style and approach This book begins with the basics that all PHP developers use every day and then dives deep into detailed concepts and tricks to help you speed through development. You will be able to learn the concepts by performing practical tasks and implementing them in your daily activities, all at your own pace.

**PHP: The Good Parts** - Peter MacIntyre  
2010-04-07

Get past all the hype about PHP and dig into the real power of this language. This book explores the most useful features of PHP and how they can speed up the web development process, and explains why the most commonly used PHP elements are often misused or misapplied. You'll learn which parts add strength to object-oriented programming, and how to use certain features to integrate your application with databases. Written by a longtime member of the PHP community, *PHP: The Good Parts* is ideal for new PHP programmers, as well as web developers switching from other languages. Become familiar with PHP's basic syntax, variables, and datatypes Learn how to integrate the language with web pages Understand how to use strings, arrays, and PHP's built-in functions Discover the advantages of using PHP as an object-oriented language Explore how PHP interacts with databases, such as SQLite and MySQL Learn input- and output-handling best practices to prevent security breaches

[A Framework for K-12 Science Education](#) - National Research Council  
2012-02-28

Science, engineering, and technology permeate nearly every facet of modern life and hold the key to solving many of humanity's most pressing current and future challenges. The United States' position in the global economy is declining, in part because U.S. workers lack fundamental knowledge in these fields. To address the critical issues of U.S. competitiveness and to better prepare the workforce, *A Framework for K-12 Science Education* proposes a new approach to K-12 science education that will capture students' interest and provide them with the necessary

foundational knowledge in the field. *A Framework for K-12 Science Education* outlines a broad set of expectations for students in science and engineering in grades K-12. These expectations will inform the development of new standards for K-12 science education and, subsequently, revisions to curriculum, instruction, assessment, and professional development for educators. This book identifies three dimensions that convey the core ideas and practices around which science and engineering education in these grades should be built. These three dimensions are: crosscutting concepts that unify the study of science through their common application across science and engineering; scientific and engineering practices; and disciplinary core ideas in the physical sciences, life sciences, and earth and space sciences and for engineering, technology, and the applications of science. The overarching goal is for all high school graduates to have sufficient knowledge of science and engineering to engage in public discussions on science-related issues, be careful consumers of scientific and technical information, and enter the careers of their choice. *A Framework for K-12 Science Education* is the first step in a process that can inform state-level decisions and achieve a research-grounded basis for improving science instruction and learning across the country. The book will guide standards developers, teachers, curriculum designers, assessment developers, state and district science administrators, and educators who teach science in informal environments.

**Building Web Apps with WordPress** - Brian Messenlehner  
2014-04-08  
WordPress is much more than a blogging platform. As this practical guide clearly demonstrates, you can use WordPress to build web apps of any type—not mere content sites, but full-blown apps for specific tasks. If you have PHP experience with a smattering of HTML, CSS, and JavaScript, you'll learn how to use WordPress plugins and themes to develop fast, scalable, and secure

web apps, native mobile apps, web services, and even a network of multiple WordPress sites. The authors use examples from their recently released SchoolPress app to explain concepts and techniques throughout the book. All code examples are available on GitHub. Compare WordPress with traditional app development frameworks Use themes for views, and plugins for backend functionality Get suggestions for choosing WordPress plugins—or build your own Manage user accounts and roles, and access user data Build asynchronous behaviors in your app with jQuery Develop native apps for iOS and Android, using wrappers Incorporate PHP libraries, external APIs, and web service plugins Collect payments through ecommerce and membership plugins Use techniques to speed up and scale your WordPress app *Laravel: Up & Running* – Matt Stauffer 2019-04-01

What sets Laravel apart from other PHP web frameworks? Speed and simplicity, for starters. This rapid application development framework and its ecosystem of tools let you quickly build new sites and applications with clean, readable code. Fully updated to cover Laravel 5.8, the second edition of this practical guide provides the definitive introduction to one of today's most popular web frameworks. Matt Stauffer, a leading teacher and developer in the Laravel community, delivers a high-level overview and concrete examples to help experienced PHP web developers get started with this framework right away. This updated edition also covers Laravel Dusk and Horizon and provides information about community resources and other noncore Laravel packages. Dive into features, including: Blade, Laravel's powerful custom templating tool Tools for gathering, validating, normalizing, and filtering user-provided data The Eloquent ORM for working with application databases The role of the Illuminate request object in the application lifecycle PHPUnit, Mockery, and Dusk for testing your PHP code Tools for writing JSON and RESTful APIs Interfaces for filesystem access,

sessions, cookies, caches, and search Tools for implementing queues, jobs, events, and WebSocket event publishing

**Web Database Applications with PHP and MySQL** – Hugh E. Williams 2002 Introduces techniques for building applications that integrate large databases with web interfaces. Using a three-tier architecture, the book focuses on the middle tier and the application logic that brings together the fundamentally different client and database tiers. The authors explain the principles behind searching, browsing, storing user data, validating user input, managing user transactions, and security. Annotation copyrighted by Book News, Inc., Portland, OR.

**Modern PHP** – Josh Lockhart 2015-02-16 PHP is experiencing a renaissance, though it may be difficult to tell with all of the outdated PHP tutorials online. With this practical guide, you'll learn how PHP has become a full-featured, mature language with object-orientation, namespaces, and a growing collection of reusable component libraries. You'll learn best practices for application architecture and planning, databases, security, testing, debugging, and deployment. [Eloquent JavaScript](#) – Marijn Haverbeke 2011

Provides information and examples on writing JavaScript code, covering such topics as syntax, control, data, regular expressions, and scripting. *Learning PHP Design Patterns* – William Sanders 2013-02-11 Build server-side applications more efficiently—and improve your PHP programming skills in the process—by learning how to use design patterns in your code. This book shows you how to apply several object-oriented patterns through simple examples, and demonstrates many of them in full-fledged working applications. Learn how these reusable patterns help you solve complex problems, organize object-oriented code, and revise a big project by only changing small parts. With *Learning PHP Design Patterns*, you'll learn how to adopt a more sophisticated programming style and dramatically reduce development

time. Learn design pattern concepts, including how to select patterns to handle specific problems Get an overview of object-oriented programming concepts such as composition, encapsulation, polymorphism, and inheritance Apply creational design patterns to create pages dynamically, using a factory method instead of direct instantiation Make changes to existing objects or structure without having to change the original code, using structural design patterns Use behavioral patterns to help objects work together to perform tasks Interact with MySQL, using behavioral patterns such as Proxy and Chain of Responsibility Explore ways to use PHP's built-in design pattern interfaces

PHP in Action - Marcus Baker  
2007-06-30

To keep programming productive and enjoyable, state-of-the-art practices and principles are essential. Object-oriented programming and design help manage complexity by keeping components cleanly separated. Unit testing helps prevent endless, exhausting debugging sessions. Refactoring keeps code simple and readable. PHP offers all this—and more. PHP in Action shows you how to apply PHP techniques and principles to all the most common challenges of web programming, including: Web presentation and templates User interaction including the Model-View-Controller architecture Input validation and form handling Database connection and querying and abstraction Object persistence Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

*PHP 7: Real World Application Development* - Doug Bierer 2016-09-30

Use new features of PHP 7 to solve practical, real-world problems faced by PHP developers like yourself every day. About This Book This course covers the new features of version 7.x, best practices for server-side programming, and MVC frameworks Leverage the potential of PHP for server-side programming, memory management, and Object-Oriented

Programming to improve your programming productivity This course also illustrates the development of a complete modular application using PHP 7 in detail Who This Book Is For If you are an aspiring web developer, mobile developer, or back-end programmer, who has basic experience in PHP programming and wants to develop performance-critical applications, then this course is for you. It will take your PHP programming skills to next level. What You Will Learn Solve practical real-world programming problems using PHP 7 Discover where and when PHP 5 code needs to be re-written to avoid backwards-compatibility breaks Use advanced PHP 7 features such as the Abstract Syntax Tree, Uniform Variable Syntax, Scalar Type Hints, Generator Delegation, Anonymous Classes, and the Context Sensitive Lexer Set up a high performance development and production environment for PHP 7 Discover new OOP features in PHP 7 to achieve high performance Discover the new features of PHP 7 that are relevant to modular application development Explore the ins and outs of the Symfony framework Build a set of modules based on the Symfony framework that comprise a simple web shop app In Detail PHP is a great language for developing web applications. It is essentially a server-side scripting language. PHP 7 is the latest version, providing major backward-compatibility breaks and focusing on improved performance and speed. This course follows a learning path which is divided into three modules. Each module is a mini course in its own right, taking your basic PHP programming skills to the next level by showing you intermediate to advanced PHP techniques with a focus on PHP 7. This way, get you equipped with the tools and skills required to develop professional and efficient applications for your websites and enterprises. The first module of the book is a programming cookbook that consists over 80 recipes! Each recipe is designed to solve practical, real-world problems faced by PHP developers like yourself every day. This course also covers new ways of



writing PHP code made possible only in version 7. The second module of the course is designed to improve the performance and productivity of your application. We'll introduce you to the concepts of Object-Oriented Programming (OOP) in PHP 7, then shed some light on how to improve the performance of your PHP 7 applications and database. Throughout this module you will be introduced to benchmarking tools. With all important concepts of PHP covered up you will move on to third module. In this module you will gain a deep insight into the modular programming paradigm and how to achieve modularity in your PHP code. Modular design techniques help you build readable, manageable, reusable, and more efficient codes. PHP 7, which is a popular open source scripting language, is used to build modular functions for your software. This Learning Path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products: PHP 7 Programming Cookbook, Doug Bierer Learning PHP 7 High Performance, Altaf Hussain Modular Programming with PHP 7, Branko Ajzele Style and approach This book takes a practical, step-by-step approach with real-world examples that serve as building blocks for your application development and guide you through improving the quality of your code.

**PHP Cookbook** - David Sklar 2003  
A collection of problems, solutions, and practical examples for PHP programmers. The book contains a unique and extensive collection of best practices for everyday PHP programming dilemmas. For every problem addressed in the book, there's a worked-out solution or "recipe" -- a short, focused piece of code you can insert directly into your application. However, this book offers more than cut-and-paste code. You also get explanations of how and why the code works, so you can learn to adapt the problem-solving techniques to similar situations. The recipes in the PHP Cookbook range from simple tasks, such as sending a database query and fetching URLs, to

entire programs that demonstrate complex tasks, such as printing HTML tables and generating bar charts. This book contains an impressive collection of useful code for PHP programmers, from novices to advanced practitioners. Instead of poking around mailing lists, online documentation, and other sources, you can rely on the PHP Cookbook to provide quick solutions to common problems, so you can spend your time on those out-of-the-ordinary problems specific to your application.

**PHP 8 Objects, Patterns, and Practice**  
- Matt Zandstra 2021-05-29

Learn how to develop elegant and rock-solid systems using PHP, aided by three key elements: object fundamentals, design principles, and best practices. The 6th edition of this popular book has been fully updated for PHP 8, including attributes, constructor property promotion, new argument and return pseudo-types, and more. It also covers many features new since the last edition including typed properties, the null coalescing operator, and void return types. This book provides a solid grounding in PHP's support for objects, it builds on this foundation to instill core principles of software design and then covers the tools and practices needed to develop, test, and deploy robust code. PHP 8 Objects, Patterns, and Practice begins by covering PHP's object-oriented features. It introduces key topics including class declarations, inheritance, and reflection. The next section is devoted to design patterns. It explains the principles that make patterns powerful. You'll cover many of the classic design patterns including enterprise and database patterns. The last segment of the book covers the tools and practices that can help turn great code into a successful project. The section shows how to manage multiple developers and releases with git, and how to manage builds and dependencies with Composer. It also explores strategies for automated testing and continuous integration. After reading and using this book, you will have mastered object-oriented enhancements, design

patterns, and the essential development tools available for PHP 8. What You Will Learn Work with object fundamentals: write classes and methods, instantiate objects, and create powerful class hierarchies using inheritance Master advanced object-oriented features, including static methods and properties, managing error conditions with exceptions, and creating abstract classes and interfaces Understand and use design principles to deploy objects and classes effectively in your projects Discover a set of powerful patterns that you can implement in your own projects Guarantee a successful project including unit testing; version control and build, installation, and package management; and continuous integration Who This Book Is For Anyone with at least a basic knowledge of PHP who wants to use its object-oriented features in their projects. It is also for PHP coders who want to learn about the practices and tools (version control, testing, continuous integration, etc) that can make projects safe, elegant and stable.

**Advanced PHP Programming** - George Schlossnagle 2004

PHP has exploded in popularity, and is now starting to make inroads into large-scale business-critical Web systems. Schlossnagle provides a definitive guide to developing PHP applications for performance, stability and extensibility.

**PHP: A BEGINNER'S GUIDE** - Vikram Vaswani 2008-08-31

Essential Skills--Made Easy! Learn how to build dynamic, data-driven Web applications using PHP. Covering the latest release of this cross-platform, open-source scripting language, *PHP: A Beginner's Guide* teaches you how to write basic PHP programs and enhance them with more advanced features such as MySQL and SQLite database integration, XML input, and third-party extensions. This fast-paced tutorial provides one-stop coverage of software installation, language syntax and data structures, flow control routines, built-in functions, and best practices. Designed for Easy

Learning: Key Skills & Concepts-- Lists of specific skills covered in the chapter Ask the Expert--Q&A sections filled with bonus information and helpful tips Try This--Hands-on exercises that show how to apply your skills Notes--Extra information related to the topic being covered Tips--Helpful reminders or alternate ways of doing things Cautions--Errors and pitfalls to avoid Self-Tests--Chapter-ending quizzes to test your knowledge Annotated Syntax--Example code with commentary that describes the programming techniques being illustrated

*PHP: The Complete Reference* - Steven Holzner 2008

Complemented by hundreds of illustrations, a comprehensive resource on the latest version of PHP, the dominant programming language of the Web, demonstrates how to develop a variety of dynamic Web applications--including guest books, chat rooms, and shopping carts--with coverage of data handling, databases, object-oriented programming, AJAX, XML, security issues, and other topics. Original. (Intermediate) *Working Effectively with Legacy Code* - Michael Feathers 2004-09-22 Get more out of your legacy systems: more performance, functionality, reliability, and manageability Is your code easy to change? Can you get nearly instantaneous feedback when you do change it? Do you understand it? If the answer to any of these questions is no, you have legacy code, and it is draining time and money away from your development efforts. In this book, Michael Feathers offers start-to-finish strategies for working more effectively with large, untested legacy code bases. This book draws on material Michael created for his renowned Object Mentor seminars: techniques Michael has used in mentoring to help hundreds of developers, technical managers, and testers bring their legacy systems under control. The topics covered include Understanding the mechanics of software change: adding features, fixing bugs, improving design, optimizing performance Getting legacy

code into a test harness Writing tests that protect you against introducing new problems Techniques that can be used with any language or platform—with examples in Java, C++, C, and C# Accurately identifying where code changes need to be made Coping with legacy systems that aren't object-oriented Handling applications that don't seem to have any structure This book also includes a catalog of twenty-four dependency-breaking techniques that help you work with program elements in isolation and make safer changes.

**Better PHP Development** - Bruno Skvorc 2017-08-16

PHP powers the vast majority of the web today. It is by far the most ubiquitous and accessible mature web language, and welcomes thousands of new developers every day. It is this ease of access that can, admittedly, sometimes give it a bad name - good resources are few and far in between, and the competition is real, driving people to take shortcuts, skip best practices, and learn on-the-fly. With PHP 7+ came some improvements that make it harder to make mistakes, and 7.2 is making things even safer, even more structured. If you're just getting started with the language (or perhaps you've been using it a while and have learned some bad habits), you're in luck. Not only will it be ever harder to slip up and make mistakes, but content such as this - hand picked from the excellent SitePoint PHP channel - will help you get started the right way. This collection comprises: How PHP Executes - from Source Code to Render by Thomas Punt Getting to Know and Love Xdebug by Bruno Skvorc Localization Demystified: Php-Intl for Everyone by Younes Rafie Event Sourcing in a Pinch by Christopher Pitt Disco with Design Patterns: A Fresh Look at Dependency Injection by Reza Lavaryan A Comprehensive Guide to Using Cronjobs by Reza Lavaryan Event Loops in PHP by Christopher Pitt PDO - the Right Way to Access Databases in PHP by Parham Doustdar Vagrant: The Right Way to Start with PHP by Bruno Skvorc This book is suitable for beginner- to intermediate-level PHP developers.

**Learn PHP 8** - Steve Prettyman

2020-10-11

Write solid, secure, object-oriented code in the new PHP 8. In this book you will create a complete three-tier application using a natural process of building and testing modules within each tier. This practical approach teaches you about app development and introduces PHP features when they are actually needed rather than providing you with abstract theory and contrived examples. In Learn PHP 8, programming examples take advantage of the newest PHP features; you'll follow a learn-by-doing approach, which provides you with complete coding examples. "Do It" exercises in each chapter provide the opportunity to make adjustments to the example code. The end-of-chapter programming exercises allow you to develop your own applications using the algorithms demonstrated in the chapter. Each tier is logically and physically separated using object-oriented and dependency injection techniques, thus allowing independent tiers that can be updated with little or no effect on the other tiers. In addition to teaching good programming practices through OOP, there is a strong emphasis on creating secure code. As each chapter is completed, you'll have the opportunity to design and create an application reinforcing the concepts learned. What You Will Learn Program PHP 8 web applications Use interfaces, containers, and platforms Apply modular programming Manage data objects and use MySQL and other databases Work with multi-functional and secure user interfaces Handle logging exceptions and more Who This Book Is For Those new to web development, specifically PHP programming. Also, this book can be useful to those who have some PHP/web development experience who are new to PHP 8.

PHP & MySQL: Novice to Ninja - Tom Butler 2017-10-26

PHP & MySQL: Novice to Ninja, 6th Edition is a hands-on guide to learning all the tools, principles, and techniques needed to build a fully functional application using PHP & MySQL. Comprehensively updated

to cover PHP 7 and modern best practice, this practical and fun book covers everything from installing PHP and MySQL through to creating a complete online content management system. You'll learn how to: Install PHP & MySQL on Windows, Mac OS X, or Linux Gain a thorough understanding of PHP syntax Use object oriented programming techniques Master database design principles and SQL Develop robust websites that can handle high levels of traffic Build a working content management system (CMS) And much more!

**Modern JavaScript** - James Kolce  
2017-08-16

It's not uncommon these days to see people complaining about just how complex JavaScript development seems to have become. We can have some sympathy with that view when it's coming from someone new to the language. If you're learning JS, it won't take long for you to be exposed to the enormity of the ecosystem and the sheer number of moving pieces you need to understand (at least conceptually) to build a modern web application. Package management, linting, transpilation, module bundling, minification, source maps, frameworks, unit testing, hot reloading... it can't be denied that this is a lot more complex than just including a couple of script tags in your page and FTPing it up to the server. Included topics: The Anatomy of a Modern JavaScript Application by James Kolce An Introduction to Gulp.js by Craig Buckler The Basics of DOM Manipulation in Vanilla JavaScript (No jQuery) by Sebastian Seitz A Beginner's Guide to Webpack 2 and Module Bundling by Mark Brown React vs Angular: An In-depth Comparison by Pavels Jelisejevs Retrofit Your Website as a Progressive Web App by Craig Buckler 10 Tips to Become a Better Node Developer by Azat Mardan An Introduction to Functional JavaScript by M. David Green An Introduction to Chart.js 2.0 : Six Simple Examples by Jack Rometty Learning JavaScript Test-Driven Development by Example by James Wright This book is for intermediate level JavaScript developers. Some experience of

JavaScript development is assumed.  
**Modern PHP** - Josh Lockhart 2015  
PHP is experiencing a renaissance, though it may be difficult to tell with all of the outdated PHP tutorials online. With this practical guide, you'll learn how PHP has become a full-featured, mature language with object-orientation, namespaces, and a growing collection of reusable component libraries. You'll learn best practices for application architecture and planning, databases, security, testing, debugging, and deployment.  
**Effective Modern C++** - Scott Meyers  
2014-11-11

Coming to grips with C++11 and C++14 is more than a matter of familiarizing yourself with the features they introduce (e.g., auto type declarations, move semantics, lambda expressions, and concurrency support). The challenge is learning to use those features effectively—so that your software is correct, efficient, maintainable, and portable. That's where this practical book comes in. It describes how to write truly great software using C++11 and C++14—i.e. using modern C++. Topics include: The pros and cons of braced initialization, noexcept specifications, perfect forwarding, and smart pointer make functions The relationships among std::move, std::forward, rvalue references, and universal references Techniques for writing clear, correct, effective lambda expressions How std::atomic differs from volatile, how each should be used, and how they relate to C++'s concurrency API How best practices in "old" C++ programming (i.e., C++98) require revision for software development in modern C++ Effective Modern C++ follows the proven guideline-based, example-driven format of Scott Meyers' earlier books, but covers entirely new material. "After I learned the C++ basics, I then learned how to use C++ in production code from Meyer's series of Effective C++ books. Effective Modern C++ is the most important how-to book for advice on key guidelines, styles, and idioms to use modern C++ effectively and well.

Don't own it yet? Buy this one. Now".  
-- Herb Sutter, Chair of ISO C++  
Standards Committee and C++ Software  
Architect at Microsoft

Intermediate PHP - Lorna Jane  
Mitchell 2014

"Take a practical tour of modern PHP  
best practices and learn why the  
language is experiencing a  
renaissance. In this video course,  
web development consultant Lorna Jane  
Mitchell demonstrates new features  
and capabilities of PHP, including  
improved support for object-oriented  
programming and the Data Objects  
(PDO) extension, with detailed  
examples. This course is ideal  
whether you're relatively new to the  
language or looking to update your  
existing skills--and incredibly  
helpful if you're developing a  
Drupal, WordPress, or Joomla site.  
Download this video or stream it  
through our HD player, and get up to  
speed on the great features recently  
introduced in PHP 5.x."--Resource  
description page.

**Programming PHP** - Rasmus Lerdorf  
2002-03-26

This is a comprehensive guide to PHP,  
a simple yet powerful language for  
creating dynamic web content. It is a  
detailed reference to the language  
and its applications, including such  
topics as form processing, sessions,  
databases, XML, and graphics and  
Covers PHP 4, the latest version.

*Forecasting: principles and practice*  
- Rob J Hyndman 2018-05-08

Forecasting is required in many  
situations. Stocking an inventory may  
require forecasts of demand months in  
advance. Telecommunication routing  
requires traffic forecasts a few  
minutes ahead. Whatever the  
circumstances or time horizons  
involved, forecasting is an important  
aid in effective and efficient  
planning. This textbook provides a  
comprehensive introduction to  
forecasting methods and presents  
enough information about each method  
for readers to use them sensibly.

PHP Objects, Patterns and Practice -  
Matt Zandstra 2010-12-28

This book takes you beyond the PHP  
basics to the enterprise development  
practices used by professional  
programmers. Updated for PHP 5.3 with

new sections on closures, namespaces,  
and continuous integration, this  
edition will teach you about object  
features such as abstract classes,  
reflection, interfaces, and error  
handling. You'll also discover object  
tools to help you learn more about  
your classes, objects, and methods.  
Then you'll move into design patterns  
and the principles that make patterns  
powerful. You'll learn both classic  
design patterns and enterprise and  
database patterns with easy-to-follow  
examples. Finally, you'll discover  
how to put it all into practice to  
help turn great code into successful  
projects. You'll learn how to manage  
multiple developers with Subversion,  
and how to build and install using  
Phing and PEAR. You'll also learn  
strategies for automated testing and  
building, including continuous  
integration. Taken together, these  
three elements--object fundamentals,  
design principles, and best  
practices--will help you develop  
elegant and rock-solid systems.

*PHP Master* - Lorna Mitchell 2011

"Modern, efficient, and secure  
techniques for PHP professionals"--  
Cover.

Modern PHP - Josh Lockhart 2015-02-16

PHP is experiencing a renaissance,  
though it may be difficult to tell  
with all of the outdated PHP  
tutorials online. With this practical  
guide, you'll learn how PHP has  
become a full-featured, mature  
language with object-orientation,  
namespaces, and a growing collection  
of reusable component libraries.  
Author Josh Lockhart--creator of PHP  
The Right Way, a popular initiative  
to encourage PHP best  
practices--reveals these new language  
features in action. You'll learn best  
practices for application  
architecture and planning, databases,  
security, testing, debugging, and  
deployment. If you have a basic  
understanding of PHP and want to  
bolster your skills, this is your  
book. Learn modern PHP features, such  
as namespaces, traits, generators,  
and closures Discover how to find,  
use, and create PHP components Follow  
best practices for application  
security, working with databases,  
errors and exceptions, and more Learn

tools and techniques for deploying, tuning, testing, and profiling your PHP applications Explore Facebook's HVVM and Hack language implementations—and how they affect modern PHP Build a local development environment that closely matches your production server

**PHP Web Services** - Lorna Jane Mitchell 2013-04-22

Whether you're sharing data between two internal systems or building an API so users can access their data, this practical book provides everything you need to build web service APIs with PHP. Author Lorna Jane Mitchell uses code samples, real-world examples, and advice based on her extensive experience to guide you through the process—from the

underlying theory to methods for making your service robust. PHP is ideally suited for both consuming and creating web services. You'll learn how to use this language with JSON, XML, and other web service technologies. Explore HTTP, from the request/response cycle to its verbs, headers, and cookies Determine whether JSON or XML is the best data format for your application Get practical advice for working with RPC, SOAP, and RESTful services Use a variety of tools and techniques for debugging HTTP web services Choose the service that works best for your application, and learn how to make it robust Learn how to document your API—and how to design it to handle errors