

# Prestashop Module Development

DuBois organizes his cookbook's recipes into sections on the problem, the solution stated simply, and the solution implemented in code and discussed. The implementation and discussion sections are the most valuable, as they contain the command sequences, code listings, and design explanations that can be transferred to outside projects.

This book is suitable for use in a university-level first course in computing (CS1), as well as the increasingly popular course known as CS0. It is difficult for many students to master basic concepts in computer science and programming. A large portion of the confusion can be blamed on the complexity of the tools and materials that are traditionally used to teach CS1 and CS2. This textbook was written with a single overarching goal: to present the core concepts of computer science as simply as possible without being simplistic.

PrestaShop is a free, open source eCommerce solution written in PHP. It supports payment gateways such as DirecPay, Google Checkout & PayPal. With this book you'll find a link to download 100Mb+ including the module "MyProducts" with its own documentation. This book will help you to customize the Prestashop 1.5 to 1.7 through the Admin panel, and to make advanced code changes, and template customization. Many tools are discussed in this book to facilitate the developers and to help you to understand the architecture of Prestashop in the shortest amount of time.

A strategy and implementation guide for building,

deploying, and managing APIs Key Features

Comprehensive, end-to-end guide to business-driven enterprise APIs Distills years of experience with API and microservice strategies Provides detailed guidance on implementing API-led architectures in any business Book Description APIs are the cornerstone of modern, agile enterprise systems. They enable access to enterprise services from a wide variety of devices, act as a platform for innovation, and open completely new revenue streams. Enterprise API Management shows how to define the right architecture, implement the right patterns, and define the right organization model for business-driven APIs. Drawing on his experience of developing API and microservice strategies for some of the world's largest companies, Luis Weir explains how APIs deliver value across an enterprise. The book explores the architectural decisions, implementation patterns, and management practices for successful enterprise APIs, as well as providing clear, actionable advice on choosing and executing the right API strategy in your enterprise. With a relentless focus on creating business value, Luis Weir reveals an effective method for planning, building, and running business products and services with APIs. What you will learn Create API strategies to deliver business value Monetize APIs, promoting them through public marketplaces and directories Develop API-led architectures, applying best practice architecture patterns Choose between REST, GraphQL, and gRPC-style API architectures Manage APIs and microservices through the complete life cycle Deploy APIs and business products, as well as Target

Operating Models Lead product-based organizations to embrace DevOps and focus on delivering business capabilities Who this book is for Architects, developers, and technology executives who want to deliver successful API strategies that bring business value. Enjoy 100% of the features of your PrestaShop store! 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.

On paper, Coach Rob Mendez sounds like any other football coach on any other field across America: passionate, authoritative, knowledgeable. But he's unlike any other coach you know--in fact, he's probably unlike any other person you know. Born with an extraordinarily rare condition called tetra-Amelia syndrome, Rob has no arms or legs. He moves with the assistance of a custom-made, motorized wheelchair that he operates with his back and shoulders. Many people look at Rob and see limitation, yet Rob sees opportunity: Opportunity to pursue his passion for football. Opportunity to change the way people perceive physical disability. Opportunity to serve as a role model for the hundreds of kids he's coached over the years. Told with both humor and frankness, *Who Says I Can't?* takes readers on Rob's incredible journey, from his birth to

loving parents who wanted to afford him every chance for happiness, to the emotional and physical hurdles he faced while seeking independence, to receiving the Jimmy V Award for Perseverance at the ESPY Awards in 2019. Each day, Coach Rob rolls onto the field and shows his players that dreams are achievable when you show up, do the work, and believe in yourself. And after reading this book you, too, will believe that anything is possible.

This is test description

Design, build, and maintain a powerful, secure, and complete extension for Magento 2, the world's favorite e-commerce platform About This Book Deploy a complete real-world extension step by step Construct your extension with the best and most up-to-date development methods Learn about team working and code sharing Who This Book Is For If you want to write a specific customization or a large new and full-featured extension on Magento 2, this book is intended for you. You must be an intermediate to professional-level developer in PHP to appreciate this book. What You Will Learn Build a fully-functional complex extension to add new functionality to Magento Register your code with GIT and work with your team Write new layouts and templates Set up a fully configurable grid and forms in the backend Create code unit tests and run them through TDD Propose localized contents Develop optimized extensions for a high-load environment Publish extensions on the Magento Connect Marketplace In Detail Magento has been revealed as the best and the most popular open source e-commerce platform in the world, with about 250k+ online stores. Magento 2 is the most recent version of this awesome toolset: every new and modern development techniques are used to offer a real modular approach and powerful architecture. The book will

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support you in the writing of innovative and complex extensions. Starting from the beginning, we will cover how to set up a development environment that allows you to be really efficient in your functionality writing, including GIT registering and many other development tools. We then move on to provide a large overview of the best practices to scale your module in a high-load environment. After these foundations, you will see how to use test driven-development (TDD) and unit tests to handle your code. We then build a complex extension together, step by step, and internationally-ready. Next, you will find out how to protect the users' data. Finally, we will take a look a publishing the extension on the new Magento Connect marketplace and how to protect your intellectual property. After you read this book, you will know everything you need to know to become an invaluable extension editor, whether it is for your customers' needs or for your own requirements. Style and approach This book takes a step-by-step approach to developing the extension and learning the new concepts of developments. Each topic is explained sequentially in the process of creating the extension, and punctuated by detailed explanations of the features of the code.

Become an expert at using JIRA 7 through this one-stop guide! About This Book This comprehensive guide will help you implement, customize and administer JIRA 7 application to meet the needs of your organization You will get to know the strategies needed to develop and deploy JIRA 7, along with best practices when working with Jira It covers the latest integrations of JIRA 7 with third-party platforms to help you professionally manage your software development projects Who This Book Is For If you are a JIRA administrator who is managing small-to-medium JIRA instances and you want to learn how to manage enterprise-scale instances, then this book will help you expand your knowledge and equip you with

advanced skills. Prior understanding of the JIRA core concepts is required. What You Will Learn Plan the installation and upgrade of your JIRA instance to the newest version Configure issue type schemes, create customized workflows, modify permission schemes, and change notification schemes Implement JIRA Service Desk to manage your support tickets Customize JIRA for test management, helpdesk, and requirement management Deploy JIRA for Agile tracking using the Scrum and Kanban techniques Develop JIRA add-ons to extend JIRA's functionality Migrate data from external systems using CSV import Generate reports directly from the JIRA database and use custom JavaScript and CSS Integrate your JIRA application with third-party tools such as Confluence, SVN, and Git In Detail Atlassian JIRA 7 is an enterprise issue tracker system. One of its key strengths is its ability to adapt to the needs of an organization, ranging from building software products to managing your support issues. This book provides a comprehensive explanation covering all three components of JIRA 7, such as JIRA Software, JIRA Core, and Jira Service Desk. It shows you how to master the key functionalities of JIRA and its customizations and useful add-ons, and is packed with real-world examples and use cases. You will first learn how to plan for a JIRA 7 installation and fetch data. We cover JIRA reports in detail, which will help you analyze your data effectively. You can add additional features to your JIRA application by choosing one of the already built-in add-ons or building a new one to suit your needs. Then you'll find out about implementing Agile methodologies in JIRA by creating Scrum and Kanban boards. We'll teach you how to integrate your JIRA Application with other tools such as Confluence, SVN, Git, and more, which will help you extend your application. Finally, we'll explore best practices and troubleshooting techniques to



help you find out what went wrong and understand how to fix it. Style and approach This comprehensive book covers the advanced and new features of JIRA 7 with the help of rich code-based, real-world examples and use cases.

This book offers a selection of papers from the 2016 International Conference on Software Process Improvement (CIMPS'16), held between the 12th and 14th of October 2016 in Aguascalientes, Aguascalientes, México. The CIMPS'16 is a global forum for researchers and practitioners to present and discuss the most recent innovations, trends, results, experiences and concerns in the different aspects of software engineering with a focus on, but not limited to, software processes, security in information and communication technology, and big data. The main topics covered include: organizational models, standards and methodologies, knowledge management, software systems, applications and tools, information and communication technologies and processes in non-software domains (mining, automotive, aerospace, business, health care, manufacturing, etc.) with a clear focus on software process challenges.

Create rich and compelling solutions for Magento 2 by developing and implementing solutions, themes, and extensions About This Book Be proficient in the main functionalities, resources, and system structure of Magento 2 Get to grips with this practical and hands-on guide to raise your web development skills to the next level Packed with several advanced recipes, not just to manage your online store, but to extend and design it as well Who This Book Is For The ideal target audience for this course could be anyone who wants to mould their skills in building amazing e-commerce websites using Magento. We begin right from getting you started with Magento to becoming an expert at building your own online stores with it. What You Will Learn Install and set up the Magento Ecosystem Carry out

performance adjustments to speed up your Magento system  
Transfer your Magento 1 database to Magento 2 using the  
Magento 2 system tools Build a Magento 2 multi-store by  
creating a root catalog, subdirectories, and products Design  
custom themes within the Magento 2 framework Create  
extensions using Magento 2 Discover what makes Magento 2  
different and more powerful In Detail Magento is the leading e-  
commerce software trusted by world`s leading organizations.  
Used by thousands of merchants for their transactions worth  
billions, it provides the flexibility to customize the content and  
functionality of your website. Our Magento Course will help  
you gain knowledge and skills that are required to design &  
develop world class online stores. Magento 2 Development  
Essentials - This book begins by setting up Magento 2 before  
gradually moving onto setting the basic options of the Sell  
System. You will learn Search Engine Optimization aspects,  
create design and customize theme layout, and adjust the  
Magento System to achieve great performance. Magento 2  
Cookbook – This book is divided into several recipes, which  
show you which steps to take to complete a specific action. It  
will cover configuring your categories and products,  
performance tuning, creating a theme, developing a module  
etc. At the end of this book, you will gain the knowledge to  
start building a success website. Mastering Magento 2 - This  
is a comprehensive guide to using the all new features and  
interface of Magento 2 to build, extend, and design online  
stores. This book is your roadmap to managing your Magento  
store which teaches advanced and successful techniques.  
Focusing on Magento's Community version, this book offers  
you advanced guidance on managing, optimizing, and  
extending your store while taking advantage of the new  
features of Magento 2. 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  
Magento 2 Development Essentials by Fernando J. Miguel  
Magento 2 Cookbook by Ray Bogman and Vladimir Kerkhoff  
Mastering Magento 2 by Bret Williams and Jonathan Bowns  
Style and approach  
This course begins by setting up Magento 2 before gradually moving on to setting the basic options of the Sell System. You will master Search Engine Optimization aspects, create designs and customize theme layouts, develop new extensions, and adjust the Magento System to achieve great performance. The book covers everything from creating and managing multiple stores to fine-tuning Magento for speed and performance.

Orchestrating the designing, development, testing, and deployment of web applications with Symfony  
About This Book  
Create a robust and reliable Symfony development pipeline using Amazon's cloud platform  
Cut development and maintenance costs by defining crystal clear features and possible scenarios for each feature before implementation  
Follow detailed examples provided in each chapter to create a task management application  
Who This Book Is For  
If you are a PHP developer with some experience in Symfony and are looking to master the framework and use it to its full potential, then this book is for you. Though experience with PHP, object-oriented techniques, and Symfony basics is assumed, this book will give you a crash course on the basics and then proceed to more advanced topics.  
What You Will Learn  
Install and configure Symfony and required third-party bundles to develop a task management application  
Set up a continuous integration server to orchestrate automatic builds every time you add a new feature to your project  
Reduce maintenance costs dramatically using Behaviour Driven Development (BDD)  
Create a slick user interface using the Bootstrap framework  
Design robust business logic using Doctrine  
Build a comprehensive dashboard and secure your project using the Sonata project  
Improve performance using

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Redis, Memcache, and Varnish Create customized Symfony commands and add them to your console In Detail In this book, you will learn some lesser known aspects of development with Symfony, and you will see how to use Symfony as a framework to create reliable and effective applications. You might have developed some impressive PHP libraries in other projects, but what is the point when your library is tied to one particular project? With Symfony, you can turn your code into a service and reuse it in other projects. This book starts with Symfony concepts such as bundles, routing, twig, doctrine, and more, taking you through the request/response life cycle. You will then proceed to set up development, test, and deployment environments in AWS. Then you will create reliable projects using Behat and Mink, and design business logic, cover authentication, and authorization steps in a security checking process. You will be walked through concepts such as DependencyInjection, service containers, and services, and go through steps to create customized commands for Symfony's console. Finally, the book covers performance optimization and the use of Varnish and Memcached in our project, and you are treated with the creation of database agnostic bundles and best practices. Style and approach A step-by-step guide to mastering Symfony while developing a task management application. Each chapter comes with detailed examples. This book is written in a friendly voice with lots of tips, tricks, and screenshots to help you set up, extend, and personalize your own online shop. If you want to start your own e-commerce business, then this book will help you do that. This book is for people who are interested in creating an online shop. Basic HTML and CSS skills would be beneficial but are not required as we will provide you with all the code and know-how you need.

Have you ever felt frustrated working with someone else's

code? Difficult-to-maintain source code is a big problem in software development today, leading to costly delays and defects. Be part of the solution. With this practical book, you'll learn 10 easy-to-follow guidelines for delivering C# software that's easy to maintain and adapt. These guidelines have been derived from analyzing hundreds of real-world systems. Written by consultants from the Software Improvement Group (SIG), this book provides clear and concise explanations, with advice for turning the guidelines into practice. Examples for this edition are written in C#, while our companion Java book provides clear examples in that language. Write short units of code: limit the length of methods and constructors Write simple units of code: limit the number of branch points per method Write code once, rather than risk copying buggy code Keep unit interfaces small by extracting parameters into objects Separate concerns to avoid building large classes Couple architecture components loosely Balance the number and size of top-level components in your code Keep your codebase as small as possible Automate tests for your codebase Write clean code, avoiding "code smells" that indicate deeper problems

PrestaShop Module DevelopmentPackt Publishing Ltd  
Get up and running with Magento 2 to create custom solutions, themes, and extensions effectively About This Book Create unique solutions for Magento 2 by developing and implementing solutions, themes, and extensions Be proficient in the main functionalities, resources, and system structure of Magento 2 Get to grips with this practical and hands-on guide to raise your web development skills to the next level Who This Book Is For If you are a PHP developer who wants to improve your skills in e-commerce development by creating themes and extensions for Magento 2, then this book is for you. What You Will Learn Install and set up the Magento Ecosystem Choose the best options for Magento's

Sell System features Work with Search Engine Optimization in Magento Create and customize themes for Magento Develop extensions for new Magento functionalities Package extensions to publish in the Magento Connect network Create Magento solutions for mobile devices Carry out performance adjustments to speed up your Magento system In Detail Magento is the e-commerce software and platform trusted by the world's leading brands. Used by thousands of merchants for their transactions worth billions, it provides the flexibility to customize the content and functionality of your website. By strengthening your fundamentals in Magento development, you can develop the best solutions and take advantage of the growing market. This fast-paced tutorial will provide you with skills you need to successfully create themes, extensions, and solutions to Magento 2 projects. This book begins by setting up Magento 2 before gradually moving onto setting the basic options of the Sell System. You will take advantage of Search Engine Optimization aspects, create design and customize theme layout, develop new extensions, and adjust the Magento System to achieve great performance. By sequentially working through the steps in each chapter, you will quickly explore all the features of Magento 2 to create a great solution. With ample examples and a practical approach, this book will ensure your success with this astonishing e-commerce management system. Style and approach This book would be a fast-paced tutorial guide that uses hands-on examples to developing new solutions for Magento e-commerce system. Each topic is explained sequentially in the process of creating a Magento solution, along with detailed explanations of the basic and advanced features of Magento 2.

Master text-taming techniques and build effective text-processing applications with R About This Book Develop all the relevant skills for building text-mining apps with R with this

easy-to-follow guide Gain in-depth understanding of the text mining process with lucid implementation in the R language Example-rich guide that lets you gain high-quality information from text data Who This Book Is For If you are an R programmer, analyst, or data scientist who wants to gain experience in performing text data mining and analytics with R, then this book is for you. Exposure to working with statistical methods and language processing would be helpful. What You Will Learn Get acquainted with some of the highly efficient R packages such as OpenNLP and RWeka to perform various steps in the text mining process Access and manipulate data from different sources such as JSON and HTTP Process text using regular expressions Get to know the different approaches of tagging texts, such as POS tagging, to get started with text analysis Explore different dimensionality reduction techniques, such as Principal Component Analysis (PCA), and understand its implementation in R Discover the underlying themes or topics that are present in an unstructured collection of documents, using common topic models such as Latent Dirichlet Allocation (LDA) Build a baseline sentence completing application Perform entity extraction and named entity recognition using R In Detail Text Mining (or text data mining or text analytics) is the process of extracting useful and high-quality information from text by devising patterns and trends. R provides an extensive ecosystem to mine text through its many frameworks and packages. Starting with basic information about the statistics concepts used in text mining, this book will teach you how to access, cleanse, and process text using the R language and will equip you with the tools and the associated knowledge about different tagging, chunking, and entailment approaches and their usage in natural language processing. Moving on, this book will teach you different dimensionality reduction techniques and their



implementation in R. Next, we will cover pattern recognition in text data utilizing classification mechanisms, perform entity recognition, and develop an ontology learning framework. By the end of the book, you will develop a practical application from the concepts learned, and will understand how text mining can be leveraged to analyze the massively available data on social media. Style and approach This book takes a hands-on, example-driven approach to the text mining process with lucid implementation in R.

Extend your skills with Odoo 12 to build resourceful and open source business applications Key Features Explore Odoo 12 capabilities to develop business applications Program business logic and manipulate data to implement specific business rules in your applications Integrate Python APIs for building customizable and scalable business logic Book Description Odoo is one of the best platforms for open source ERP and CRM. Its latest version, Odoo 12, brings with it new features and updates in Python packages to develop more customizable applications with additional cloud capabilities. The book begins by covering the development essentials for building business applications. You will start your journey by learning how to install and configure Odoo, and then transition from having no specific knowledge of Odoo to being ready for application development. You will develop your first Odoo application and understand topics such as models and views. Odoo 12 Development Essentials will also guide you in using server APIs to add business logic, helping you lay a solid foundation for advanced topics. As you progress through the chapters, you will be equipped to build and customize your applications and explore the new features in Odoo 12, such as cloud integration, to scale your business applications. You will get insights into building business logic and integrating various APIs into your application. By the end of the book, you will be able to build a business application



from scratch by using the latest version of Odoo. What you will learn Manage Odoo server instances Create a new Odoo application from scratch using the most frequently used elements Develop new models and use inheritance to extend existing models Use ORM methods in the Odoo server and from external clients Create Kanban views using QWeb effectively Build custom web and website CMS pages Use external APIs to integrate Odoo with external applications Add automated tests and techniques to debug module business logic Who this book is for If you are a developer familiar with Python and MVC design and want to build business applications using Odoo, this book is for you. Ten minibooks in one! The perfect reference for beginning webbuilders This hefty, 800+ page book is your start-to-finish roadmap forbuilding a web site for personal or professional use. Even ifyou're completely new to the process, this book is packed witheverything you need to know to build an attractive, usable, andworking site. In addition to being a thorough reference on thebasics, this updated new edition also covers the very latest trendsand tools, such as HTML5, mobile site planning for smartphones andtablets, connecting with social media, and more. Packs ten minibooks into one hefty reference: Preparation, SiteDesign, Site Construction, Web Graphics, Multimedia, InteractiveElements, Form Management, Social Media Integration, SiteManagement, and Case Studies Covers the newest trends and tools, including HTML5, the newAdobe Create Suite, and connecting with social media Offers in-depth reviews and case studies of existing sitescreated for a variety of purposes and audiences, such as blog sitesand non-profit sites Walks you through essential technologies, includingDreamweaver, HTML, CSS, JavaScript, PHP, and more Plan, build, and maintain a site that does exactly what youneed, with Building Web Sites All-In-One For Dummies, 3rdEdition.

# Online Library Prestashop Module Development

Summary Electron in Action guides you, step-by-step, as you learn to build cross-platform desktop applications that run on Windows, OSX, and Linux. By the end of the book, you'll be ready to build simple, snappy applications using JavaScript, Node, and the Electron framework. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Wouldn't it be great to build desktop applications using just your web dev skills? Electron is a framework designed for exactly that! Fully cross-platform, Electron lets you use JavaScript and Node to create simple, snappy desktop apps. Spinning up tools, games, and utilities with Electron is fast, practical, and fun!

About the Book Electron in Action teaches you to build cross-platform applications using JavaScript, Node, and the Electron framework. You'll learn how to think like a desktop developer as you build a text tool that reads and renders Markdown. You'll add OS-specific features like the file system, menus, and clipboards, and use Chromium's tools to distribute the finished product. You'll even round off your learning with data storage, performance optimization, and testing. What's inside Building for macOS, Windows, and Linux Native operating system APIs Using third-party frameworks like React Deploying to the Mac App Store About the Reader Requires intermediate JavaScript and Node skills. No experience building desktop apps required. About the Author Steven Kinney is a principal engineer at SendGrid, an instructor with Frontend Masters, and the organizer of the DinosaurJS conference in Denver, Colorado.

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APPLICATIONS Building applications for deployment Releasing and updating applications Distributing your application through the Mac App Store

Improve the performance of your PHP application to ensure the application users aren't left waiting About This Book Make the optimum use of PHP coding to improve your programming productivity Leverage the potential of PHP for server-side programming, memory management, and object-oriented programming Packed with real-life examples to help the readers implement concepts as they learn Who This Book Is For This book is for those who have basic experience in PHP programming. If you are developing performance-critical applications, then this book is for you. What You Will Learn Setup high performance development and production environment for PHP 7 Discover new OOP features in PHP 7 to achieve high performance Improve your PHP applications' performance Attain improved database performance Benchmark PHP applications to optimize them Write quality code by learning to improve code reusability, simplicity, and expressiveness Get rid of the bottlenecks in your PHP 7 applications by writing PHP code optimally Tackle issues related to web applications, such as high user dependency and large datasets 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, providing major backward-compatibility breaks and focusing on high performance and speed. This fast-paced introduction to PHP

7 will improve your productivity and coding skills. The concepts covered will allow you, as a PHP programmer, to improve the performance standards of your applications. We will introduce you to the new features in PHP 7 and then will run through the concepts of object-oriented programming (OOP) in PHP 7. Next, we will shed some light on how to improve your PHP 7 applications' performance and database performance. Through this book, you will be able to improve the performance of your programs using the various benchmarking tools discussed. At the end, the book discusses some best practices in PHP programming to help you improve the quality of your code. Style and approach The book is a step-by-step guide to improve the quality of your code in PHP through real-time examples. The book takes a practical approach to improving the quality of your code. Develop flexible, powerful, and professional themes for your PrestaShop store through simple steps.

Strengthen your applications by adopting Test-Driven Development (TDD), the OpenAPI Specification, Continuous Integration (CI), and container orchestration. Key Features Create production-grade JavaScript applications from scratch Build microservices and deploy them to a Docker container for scaling applications Test and deploy your code with confidence using Travis CI Book Description With the overabundance of tools in the JavaScript ecosystem, it's easy to feel lost. Build tools, package managers, loaders, bundlers, linters, compilers, transpilers, typecheckers - how do you make sense of it all? In this book, we will build a simple API and React application from scratch. We begin by setting up our development environment using Git, yarn, Babel, and ESLint. Then, we will use Express, Elasticsearch and JSON Web Tokens (JWTs) to build a stateless API service. For the front-end, we will use React, Redux, and Webpack. A central theme in the book is maintaining code quality. As such, we

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will enforce a Test-Driven Development (TDD) process using Selenium, Cucumber, Mocha, Sinon, and Istanbul. As we progress through the book, the focus will shift towards automation and infrastructure. You will learn to work with Continuous Integration (CI) servers like Jenkins, deploying services inside Docker containers, and run them on Kubernetes. By following this book, you would gain the skills needed to build robust, production-ready applications. What you will learn Practice Test-Driven Development (TDD) throughout the entire book Use Cucumber, Mocha and Selenium to write E2E, integration, unit and UI tests Build stateless APIs using Express and Elasticsearch Document your API using OpenAPI and Swagger Build and bundle front-end applications using React, Redux and Webpack Containerize services using Docker Deploying scalable microservices using Kubernetes Who this book is for If you're a JavaScript developer looking to expand your skillset and become a senior JavaScript developer by building production-ready web applications, then this book is for you.

- \* The only PHP "cook book" available that is completely up-to-date for PHP 5 which includes teaching material for PHP 5 object-oriented features
- \* Complete code provided to solve all common problems PHP developers will come across in day-to-day work as well as using built in PHP functionality \*

Works well as a learn-by-example teaching book, as well as a quick solutions book

Utilize the power of modular programming to improve code readability, maintainability, and testability About This Book This book demonstrates code reusability and distributed development to get

high speed, maintainable, and fast applications It illustrates the development of a complete modular application developed using PHP7 in detail This book provides a high-level overview of the Symfony framework, a set of tools and a development methodology that are needed to build a modular web shop application Who This Book Is For This step-by-step guide is divided into two sections. The first section explores all the fundamentals of modular design technique with respect to PHP 7. The latter section demonstrates the practical development of individual modules of a web shop application. What You Will Learn Discover the new features of PHP 7 that are relevant to modular application development Write manageable code based on the GoF design patterns and SOLID principles Define the application requirements of a working modular application 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 Use core modules to set the structure and dependencies for other modules to use Set up entities that are relevant to the module functionality and see how to manage these entities In Detail 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. With this book, you will gain a deep insight

into the modular programming paradigm and how to achieve modularity in your PHP code. We start with a brief introduction to the new features of PHP 7, some of which open a door to new concepts used in modular development. With design patterns being at the heart of all modular PHP code, you will learn about the GoF design patterns and how to apply them. You will see how to write code that is easy to maintain and extend over time with the help of the SOLID design principles. Throughout the rest of the book, you will build different working modules of a modern web shop application using the Symfony framework, which will give you a deep understanding of modular application development using PHP 7.

**Style and approach** This book is for intermediate-level PHP developers with little to no knowledge of modular programming who want to understand design patterns and principles in order to better utilize the existing frameworks for modular application development.

Looking to select a web content management system (CMS), but confused about the promises, terminology, and buzzwords? Do you want to understand content management without having to dive into the underlying programming? This book provides a clear, unbiased overview of the entire CMS ecosystem—from platforms to implementations—in a language- and platform-agnostic manner for project managers, executives,

and new developers alike. Author Deane Barker, a CMS consultant with almost two decades of experience, helps you explore many different systems, technologies, and platforms. By the end of the book, you'll have the knowledge necessary to make decisions about features, architectures, and implementation methods to ensure that your project solves the right problems. Learn what content is, how to compare different systems, and what the roles of a CMS team are Understand how a modern CMS models and aggregates content, coordinates workflow, and manages assets Explore the scope and structure of a CMS implementation project Learn the process and best practices for successfully running your CMS implementation Examine the practice of migrating web content, and learn how to work with an external CMS integrator

The upcoming Java 9 module system will affect existing applications and offer new ways of creating modular and maintainable applications. With this hands-on book, Java developers will learn not only about the joys of modularity, but also about the patterns needed to create truly modular and reliable applications. Authors Sander Mak and Paul Bakker teach you the concepts behind the Java 9 module system, along with the new tools it offers. You'll also gain learn how to modularize existing code and how to build new Java applications in a modular way. Understand Java 9 module system concepts Master



the patterns and practices for building truly modular applications Migrate existing applications and libraries to Java 9 modules Use JDK 9 tools for modular development and migration

Pooler offers a captivating exploration of the emotional and psychological dimensions of shopping.

This book provides practical knowledge on different aspects of information and knowledge management in businesses. In contemporary unstable time, enterprises/businesses deal with various challenges—such as large-scale competitions, high levels of uncertainty and risk, rush technological advancements, while increasing customer requirements. Thus, businesses work continually on improving efficiency of their operations and resources towards enabling sustainable solutions based on the knowledge and information accumulated previously. Consequently, this third volume of our subline persists to highlight different approaches of handling enterprise knowledge/information management directing to the importance of unceasing progress of structural management for the steady growth. We look forward that the works of this volume can encourage and initiate further research on this topic.

If you are a developer who is new to PrestaShop and wants to get a good foundation in development on the PrestaShop framework, this book is for you. It's

assumed that you will have some experience with PHP5, jQuery, and HTML/CSS (no need to be an expert on it).

Fast-track your Web application development by harnessing the power of the Yii PHP framework Customize all your PrestaShop themes with easy-to-follow recipes designed to remedy common pitfalls. Separated clearly into subjects, you will easily be able to look up the problem you are having and find a solution. Free of jargon and long sections of theory, PrestaShop Recipes enables you to troubleshoot and learn all at the same time. This book will aid you in your PrestaShop development – the free, open source e-commerce content management solution written in PHP and with support for MySQL. Accessible to small start-ups or larger businesses, it is becoming a very popular eCommerce solution and this book will enable you to use it to its full potential. What You'll Learn See how PrestaShop works and how it can be customized Turn your PS site into an Events Booking site Apply SEO strategies and improve performance Who This Book Is For PS site owners and developers who are interested in improving or customizing their shop. Site owners will get the same benefit from it as developers because the 'recipe' idea is to provide an easy to follow guide for making customizations a reality.

Pourquoi acheter et/ou télécharger des modules "tout-faits" pour votre boutique en ligne quand vous pouvez les développer vous-même ? Cet ouvrage vous enseignera justement les meilleures pratiques et vous encouragera à les mettre en oeuvre lors des développements de nouvelles fonctionnalités de PrestaShop. Un ouvrage de référence pour les développeurs Ce livre vous apprendra tout ce qu'il faut connaître sur la création de modules PrestaShop. Que vous soyez déjà un expert de ce CMS e-commerce ou que vous le

découvriez seulement, vous commencerez par concevoir des modules très simples avant de vous attaquer à ceux plus avancés (module de paiement ou module transporteur). De quoi vous permettre de personnaliser votre boutique au gré de vos envies et de vos besoins ! Une approche pédagogique Vous créez ainsi des modules performants et scalables (évolutifs), qui permettront d'améliorer efficacement votre boutique. Tout au long de votre lecture, vous serez également confronté à des exemples pratiques de concepts PrestaShop (tels que les "hooks") sous la forme de tutoriels. Une fois que vous serez familiarisé avec les meilleures pratiques de PrestaShop, vous serez à même de réduire considérablement les éventuels problèmes ou erreurs dans vos futurs modules. À qui s'adresse cet ouvrage ? Aux développeurs n'ayant aucune connaissance sur PrestaShop et souhaitant être initiés. Aux développeurs déjà initiés voulant approfondir leurs connaissances sur PrestaShop. Aux marchands avec des connaissances techniques souhaitant modifier leur boutique. Sur le site [www.editions-eyrolles.com](http://www.editions-eyrolles.com) Téléchargez le code source des exemples Consultez les mises à jour et compléments Avec une préface de Bruno Lévêque, fondateur de PrestaShop

This textbook provides a self-contained course on the basic properties of modules and their importance in the theory of linear algebra. The first 11 chapters introduce the central results and applications of the theory of modules. Subsequent chapters deal with advanced linear algebra, including multilinear and tensor algebra, and explore such topics as the exterior product approach to the determinants of matrices, a module-theoretic approach to the structure of finitely generated Abelian groups, canonical forms, and normal transformations. Suitable for undergraduate courses, the text now includes a proof of the celebrated Wedderburn-Artin theorem which determines the structure of simple Artinian

rings.

An in-depth and comprehensive take on WordPress, covering everything about the platform such as WordPress posts, pages, themes, plugins, and more. Key Features Get up to date with the latest WordPress 5.0 (Bebo) and all its new features Beginner-friendly layout and advice you can apply from day one with loads of screenshots and examples Enrich your development experience with the new block-based editor Gutenberg Book Description Back in the day, when you wanted to launch a new website, you either had to learn web programming yourself or hire a professional who would take care of the whole process for you. Nowadays, with WordPress, anyone can build an optimized site with the least amount of effort possible and then make it available to the world in no time. Here, in the seventh edition of the book, we are going to show you how to build great looking and functional websites using WordPress. The new version of WordPress – 5.0 – comes with a few important changes, and we tell you all about how to use them effectively. From crafting content pages using the block editor, and customizing the design of your site, through to making sure it's secure, we go through it all. The book starts by introducing WordPress and teaching you how to set it up. You are then shown how to create a blog site, start writing content, and even use plugins and themes to customize the design of the site and add some unique elements to set it apart. If you want to get more in-depth, we also show you how to get started creating your own themes and plugins. Finally, we teach you how to use WordPress for building non-blog websites. By the end of the book, you will be sufficiently skilled to design high-quality websites and will be fully familiar with the ins and outs of WordPress. What you will learn Learn to adapt your plugin with the Gutenberg editor Create content that is optimized for publication on the web Craft great looking pages and posts

with the use of block editor Structure your web pages in an accessible and clear way Install and work with plugins and themes Customize the design of your website Upload multimedia content, such as images, audio, and video easily and effectively Develop your own WordPress plugins and themes Use WordPress to build websites that serve purposes other than blogs Who this book is for The ideal target audience for this book would be PHP developers who have some basic knowledge of working with WordPress and who want to get a comprehensive practical understanding of working with WordPress and create production-ready websites with it.

For too long, developers have worked on disorganized application projects, where every part seemed to have its own build system, and no common repository existed for information about the state of the project. Now there's help. The long-awaited official documentation to Maven is here. Written by Maven creator Jason Van Zyl and his team at Sonatype, *Maven: The Definitive Guide* clearly explains how this tool can bring order to your software development projects. Maven is largely replacing Ant as the build tool of choice for large open source Java projects because, unlike Ant, Maven is also a project management tool that can run reports, generate a project website, and facilitate communication among members of a working team. To use Maven, everything you need to know is in this guide. The first part demonstrates the tool's capabilities through the development, from ideation to deployment, of several sample applications -- a simple software development project, a simple web application, a multi-module project, and a multi-module enterprise project. The second part offers a complete reference guide that includes: The POM and Project Relationships The Build Lifecycle Plugins Project website generation Advanced site generation Reporting Properties

Build Profiles The Maven Repository Team Collaboration  
Writing Plugins IDEs such as Eclipse, IntelliJ, and NetBeans  
Using and creating assemblies Developing with Maven  
Archetypes Several sources for Maven have appeared online  
for some time, but nothing served as an introduction and  
comprehensive reference guide to this tool -- until now.

Maven: The Definitive Guide is the ideal book to help you  
manage development projects for software, web applications,  
and enterprise applications. And it comes straight from the  
source.

Rapid Prototyping with JS: Agile JavaScript Development is a  
hands-on book which introduces you to agile JavaScript web  
and mobile software development using the latest cutting-  
edge front-end and back-end technologies including: Node.js,  
Backbone.js, MongoDB and others. More information at  
<http://rpjs.co>. This book was borne out of frustration. I have  
been in software engineering for many years, and when I  
started learning Node.js and Backbone.js, I learned the hard  
way that their official documentation and the Internet lack in  
quick start guides and examples. Needless to say, it was  
virtually impossible to find all of the tutorials for JS-related  
modern technologies in one place. The best way to learn is to  
do, right? Therefore, I've used the approach of small simple  
examples, i.e., quick start guides, to expose myself to the  
new cool tech. After I was done with the basic apps, I needed  
some references and organization. I started to write this  
manual mostly for myself, so I can understand the concepts  
better and refer to the samples later. Then StartupMonthly  
and I taught a few 2-day intensive classes on the same  
subject -- helping experienced developers to jump-start their  
careers with agile JavaScript development. The manual we  
used was updated and iterated many times based on the  
feedback received. The end result is this book. What to  
Expect A typical reader of RPJS should expect a collection of

quick start guides, tutorials and suggestions (e.g., Git workflow). There is a lot of coding and not much theory. All the theory we cover is directly related to some of the practical aspects, and essential for better understanding of technologies and specific approaches in dealing with them, e.g., JSONP and cross-domain calls. In addition to coding examples, the book covers virtually all setup and deployment step-by-step. You'll learn on the examples of Chat web/mobile applications starting with front-end components. There are a few versions of these applications, but by the end we'll put front-end and back-end together and deploy to the production environment. The Chat application contains all of the necessary components typical for a basic web app, and will give you enough confidence to continue developing on your own, apply for a job/promotion or build a startup! Who This Book is For The book is designed for advanced-beginner and intermediate-level web and mobile developers: somebody who has been (or still is) an expert in other languages like Ruby on Rails, PHP, Perl, Python or/and Java. The type of a developer who wants to learn more about JavaScript and Node.js related techniques for building web and mobile application prototypes fast. Our target user doesn't have time to dig through voluminous (or tiny, at the other extreme) official documentation. The goal of Rapid Prototyping with JS is not to make an expert out of a reader, but to help him/her to start building apps as soon as possible. Rapid Prototyping with JS: Agile JavaScript Development, as you can tell from the name, is about taking your idea to a functional prototype in the form of a web or a mobile application as fast as possible. This thinking adheres to the Lean Startup30 methodology; therefore, this book would be more valuable to startup founders, but big companies' employees might also find it useful, especially if they plan to add new skills to their resumes. What This Book is Not Rapid

## Online Library Prestashop Module Development

Prototyping with JS is neither a comprehensive book on several frameworks, libraries or technologies (or just a particular one), nor a reference for all the tips and tricks of web development. Examples similar to ones in this book might be publicly available online. Even more so, if you're not familiar with fundamental programming concepts like loops, if/else statements, arrays, hashes, object and functions, you won't find them in Rapid Prototyping with JS.

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