

Mastering Magento 2 Second Edition By Bret Williams Full

Transform your WordPress website into a fully-featured e-commerce store with the power of WooCommerce About This Book Offers do-it-yourself e-commerce solution using WordPress and WooCommerce Discover the new Onboarding wizard that makes complex processes user-friendly Manage your online store and expand its functions using plugins Who This Book Is For This book is suitable for everybody running their own WordPress website, such as small business owners and marketers. It has been written for users, not for programmers, who want to add e-commerce functionality to their existing WordPress website. The book will also appeal to Web design agencies working with WordPress and looking for ways to improve their services for clients working with WordPress. What You Will Learn Use WooCommerce settings to set up the behavior of the online store Get familiar with the downloadable and variable products Set up shipping and payment methods Use discount coupons for marketing purposes Choose the right WooCommerce theme for your online store Customize your website using the Storefront theme as a base Handle orders, payments, and emails on a daily basis with ease Work with WooCommerce reporting possibilities Expanding your online store with the functionalities offered by WooCommerce In Detail Building an online store is often considered to be a difficult, complex task. Using the combination of WordPress and the WooCommerce plugin, this is no longer the case. WooCommerce is the most popular e-commerce platform for WordPress and is being rapidly developed by WooThemes. It provides a strong e-commerce solution to set up your own online store in just a couple of hours. This easy and practical book will help you make the most of WooCommerce to be able to set up and run your online store yourself. Installing WooCommerce is an easy task, but this book will explain in detail all the possible settings. After that you'll be adding products, different payment methods, and shipping solutions to your store. You will then customize your store by adding themes to change the look and feel. Once your store is running, you'll learn how to use discount coupons, process your orders, look at reports, and even expand the functionality further with additional plugins. By the end of the book, you will learn everything you need to add a fully functional online store to you WordPress website and start running an online business. Style and approach This book is a practical, step-by-step guide that will help you manage your online store easily and efficiently, and expand its functions using the WooCommerce plug-in

The target audience for this book are experienced PHP developers wanting to learn about the Magento platform. The book series has three main goals: Help prepare for the Magento Certified Developer Exam (MCD) To be used as a reference for best practices and Magento architecture Give solutions to specific problems in a "developer cookbook" style The book content follows the Magento Certification Study Group Moderator Kit published by Magento. It takes the bare bone exercises and solutions provided by the Study Group Kit and provides insight into the core architecture by researching how a solution may be approached. Then it discusses the example exercise solutions provided with this book. Along the way, many aspects of the Magento architecture are uncovered, thus providing the background knowledge and mindset required to pass the MCD exam. Almost as a side effect readers will find they become more efficient and effective as Magento developers. This first book in the series focuses on the exercises from the Basics and Request Flow section of the Study Group Kit. It covers the following topics: Class name resolution How and why class rewrites work Application Area Emulation The Request Flow Process The Front Controller Database Based Request Rewrites Configuration Based Request Rewrites Action Controller Instantiation The Action Controller Dispatch Process Route Configuration Action Controller Rewrites Action Controller Flags The Event Dispatch Process and

Observer Configuration The Configuration XML Loading and Merging Process Setting, Reading and Saving Configuration Values The Magento Application Dispatch Process The Store View Selection Process Approaches for Multi-Website Setups The Customer Session beforeAuthUrl and afterAuthUrl Properties Email Template Placeholders and Variables Custom Email Template Variables

Create an interactive online store and customize it further using Magento Key Features Straightforward guide to developing with Magento Examples of different types of extension Customize the Magento storefront and admin areas Book Description Magento is an open source, enterprise-level e-commerce platform with unlimited scope for customization. This makes it a great choice not only for vendors, but for developers as well. This book guides you through Magento development, teaching you how to develop modules that extend or change its functionality, leading to more flexible and profitable Magento stores. You start with a structural overview of the key Magento development components. You will learn where things such as plugins, events, models, controllers, layouts, and UI components fit into the development landscape. You will go through examples of using these components to extend Magento. As you progress, you will be building a diverse series of small but practical Magento modules. By the end of this book, you will not only have a solid foundation in the Magento development architecture; you will also have practical experience of developing modules to customize and extend Magento stores. What you will learn

Develop a simple shipping module Build admin interfaces with the built-in form and listing UI components Implement JavaScript components for improved customer experience Accommodate vendor needs by adding new catalog-related features Develop your way to a better checkout Improve customer interaction with new customer-related extensions Create new web APIs to make your modules more extensible Who this book is for This book is for competent PHP developers, with only basic knowledge of the Magento platform required.

Maximize the power of Magento 2 to create productive online stores About This Book Updated for Magento 2, this book offers a comprehensive coverage of all the new features of Magento to build modern online stores Exploit little-known techniques to extend, tune, and manage your Magento installation Detailed coverage to make your store run faster, better, and more productively Who This Book Is For This book is for web designers, developers, or e-commerce store-owners who design or manage Magento stores for their clients and want to gain an in-depth understanding of the various features of Magento 2. What You Will Learn Discover what makes Magento 2 different — and even more powerful Develop strategies to create multi-store environments Find out how to create themes and extend the functionality of Magento 2 Create sound development practices to insure code integrity and security Know the why, as well as the how, behind using Magento 2 In Detail The long-awaited release of the world's most popular online solution, Magento 2, is now out with an all new interface and several enhancements. This book offers you advanced guidance on managing, optimizing, and extending your store while taking advantage of the new features of 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. From planning your Magento installation through to advanced techniques designed to make your store as successful as possible, this book is your roadmap to managing your Magento store. Focusing on Magento's Community version, the book covers everything from creating and managing multiple stores to fine-tuning Magento for speed and performance. You'll learn how to manage categories, products, design themes, extensions, and more. Style and Approach This book will be a straightforward guide that will dive deep into both aspects of developing and administering beautiful and secure stores. Get a firm idea of the different tools that the latest version has to offer to ensure the best customer experience.

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 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.

Moodle is the leading open source e-learning management system. Using Moodle, teachers and professors can easily construct richly-textured web-based courses. A course can consist of a number of lessons, with each lesson including reading materials; activities such as quizzes, tests, surveys, and projects; and social elements that encourage interaction and group work between students. Packed with clear step-by-step instructions, plenty of screenshots, and thorough explanations, this book guides you through the many features and options that you have to choose from when using Moodle 2.8. Throughout this book, you will follow an example course that will help you to explore the sort of decisions, design considerations, and thought processes that goes into developing a successful course. This book will show you how to use every feature of Moodle to meet your course goals. Moodle is relatively easy to install and use, but the real challenge is to develop a learning process that leverages its power and maps effectively onto the content-established learning situation. This book guides you through meeting that challenge.

The Official Joomla! Book is the authoritative and comprehensive Joomla! reference for every administrator, developer, designer, and content manager. Distilling the unsurpassed experience of two long-time Joomla! contributors, it teaches exactly what you need to know, through practical example sites and crystal-clear explanations. If you're new to Joomla!, you'll learn how to quickly create usable, effective sites. If you're an experienced Joomla! user, you'll learn how to make your sites more flexible, feature-rich, visually attractive, and useful. And whether new or experienced, you'll learn how Joomla! really works, so you can fully leverage its power whenever you're ready. You'll also get to know the Joomla! community by hearing from twelve community members through in-depth interviews, and you'll learn how to participate in the Joomla! project in ways that make sense for you. The Official Joomla! Book covers everything from installation to usability, templates to extensions. The authors explain each key concept conversationally, helping you learn to help yourself and confidently gain

control over Joomla! and the sites you build with it. They also present chapter-length application case studies for business, non-profits, and education. You will learn how to Plan sites effectively before you start building them Create production sites quickly while avoiding common mistakes Install and configure Joomla! for maximum efficiency Create and edit content for your Joomla! site Customize and work with Joomla! templates Work with extensions: components, modules, plugins, and languages Efficiently administer Joomla! sites Participate in the Joomla! community as a user and contributor

Whether you're a budding blogger or seasoned web designer, WordPress is a brilliant tool for creating websites—once you know how to tap into its impressive features. The latest edition of this jargon-free Missing Manual shows you how to use WordPress's themes, widgets, and plug-ins to build just about any kind of site. The important stuff you need to know: Set up WordPress. Configure WordPress on your web host or get it running on your home computer. Create your site. Get hands-on instructions for building all types of websites, from blogs to business sites with ecommerce features. Jazz it up. Add picture galleries, slideshows, video clips, music players, and podcasts. Add features. Select from thousands of plug-ins to enhance your site's capabilities, from contact forms to a basic shopping cart. Build a truly unique site.

Customize a WordPress theme to create a site that looks exactly the way you want. Attract an audience. Use SEO, site statistics, and social sharing to reach more people. Stay safe. Use backup and staging tools to protect your content and avoid catastrophe.

Completely up-to-date for 2018, *Magento 2 Explained* is a high-quality and fun introduction for beginning Magento users. Learn Magento step-by-step from top trainer and best selling author Stephen Burge. Key Features Up-to-Date: *Magento 2 Explained* is always up-to-date. Clear instruction: You will follow plain English, clear visuals and enjoyable step-by-step instructions. Hands-on learning: Burge helps you master Magento 2 by taking you step-by-step in building a complete Magento site. Book Description *Magento 2* is amazingly powerful ecommerce software. But many newcomers find it confusing, and most *Magento 2* books are just too complicated to help. If you want to spend less time struggling with complex instructions, and more time building sites that make you proud, this is the book for you! Stephen Burge has taught thousands of beginners - and thousands more who've experimented with Content Management Systems and Magento but haven't mastered the software yet. Nobody knows more about guiding Magento users up the learning curve - from confusion to results! Burge and the OStraining team make learning fun. Like their online training, you learn by following enjoyable, step-by-step instructions. OStraining books are written in plain English and are supported by plenty of online documentation and videos. *Magento 2 Explained* requires absolutely no experience with Magento, content management, website construction, programming, scripting, or even HTML. Please note: This book is 100% aimed at Magento beginners. What You'll Learn You'll master *Magento 2* hands-on, through a complete case study, crystal-clear visuals, simple explanations, and on-target analogies, all extensively tested with real Magento beginners. Burge walks you through installing *Magento 2*, planning sites that are easy to use and manage, adding content, and incorporating powerful site features without programming. Finally, Burge shows you how to run your site securely and efficiently, no matter how big or popular it becomes! About the Author Stephen Burge has split his career between teaching and web development. He now runs OStraining.com, which specializes in teaching website development. OStraining.com's clients include Apple, Pfizer, and the U.S. Departments of Energy, Education, and Commerce. Burge's books are some of the world's best-selling guides to the software they cover. His books include: *Joomla Explained* (Addison - Wesley, 2011) *Drupal 7 Explained* (Addison - Wesley, 2013) *Joomla 3 Explained* (Addison - Wesley, 2014) *MySQL Explained* (OStraining, 2015) *Drupal 7 Explained* (OStraining, 2017) *Drupal 8 Explained* (OStraining, 2017) *Joomla 3 Explained* (OStraining, 2017) *Multilingual Joomla Explained* (OStraining, 2017) *Magento Explained* (OStraining, 2017) *WordPress Explained* (OStraining, 2017) *WooCommerce Explained*

(OSTraining, 2017)

Maximize the power of Magento 2 to improve your e-commerce business About This Book Strategic planning for maximizing your Magento 2 store's operations and sales. Important guidelines and advice for optimizing your Magento 2 store. Packed with screenshots and step-by-step instructions to leverage the hundreds of Magento 2 features. Who This Book Is For This guide is for store owners who use Magento 2 on a daily basis to operate their online stores. Proprietors will use this guide as a reference for ensuring that they are utilizing the full power of Magento 2. Developers and solution providers will find this guide a helpful tool in identifying opportunities to help their clients navigate the complexity of Magento 2. What You Will Learn Strategies for creating multiple stores within a single Magento installation. Use of complex product types such as bundles, downloadables and virtual products. Configuring payments, shipping and taxes. Accommodating multiple languages and currencies. Installing and configuring themes. Managing content and search engine optimization. Creating promotions, up-sells and cross-sells. Leveraging the customer relationship features of Magento 2. Securing and optimizing your installation. In Detail Magento 2 has been completely re-written and re-designed to take the world's most popular open source e-commerce platform to new heights of productivity and usability. With this overhaul comes improved opportunities to leverage the world's most successful open source e-commerce platform for your online retail and wholesale business. The focus of this book is on operational aspects: those actions you, as a proprietor, can take to give your customers a more delightful shopping experience. In this guide, we delve into all aspects of managing a Magento 2 store, from product creation to marketing, customer management to search engine optimization. This book is not only a step-by-step course in setting up your Magento 2 website, it will be a handy reference as continue to improve and refine your online presence. Style and approach A step-by-step guide where it takes the reader from the planning step all the way through launching a new Magento-powered store by building on the initial sample data included in a default Magento 2 installation. Along the way, we explore using discrete action steps how to leverage the full power of Magento 2 for both simple and advanced uses. Screenshots and step-by-step instructions not only teach the new Magento store administrator, but also serve as a handy reference for the more experienced operators.

Harness the power of Magento 2 – The most recent version of the world's favourite e-Commerce platform for your online store About This Book Set up, configure, and power up your Magento environment from development to production Master the use of Web API to communicate with the Magento system and create custom services Create custom modules from scratch to extend the core functionality of the Magento system Who This Book Is For This book is intended primarily for intermediate to professional-level PHP developers who are interested in Magento development. For backend developers, several topics are covered that will enable you to modify and extend your Magento 2 store. Frontend developers will also find some coverage on how to customize the look of the site in the frontend. What You Will Learn Set up the development and production environment of Magento 2 Understand the new major concepts and conventions used in Magento 2 Build a miniature yet fully-functional module from scratch to manage your e-commerce platform efficiently Write models and collections to manage and search your entity data Dive into backend development such as creating events, observers, cron jobs, logging, profiling, and messaging features Get to the core of frontend development such as blocks, templates, layouts, and the themes of Magento 2 Use token, session, and OAuth token-based authentication via various flavors of API calls, as well as creating your own APIs Get to grips with testing Magento modules and custom themes, which forms an integral part of development In Detail Magento is one of the most exciting, flexible, and customizable e-commerce systems. It offers you an extensive suite of powerful tools for creating and managing an online store. After years of development, Magento 2 introduces itself with a strong emphasis on modularity, Web API's, automated testing and overall new

technology stack platform. The long-awaited Magento 2 release introduces a whole new e-commerce platform to develop online stores. The all new Magento 2 architecture, Web APIs, and a host of other features are equally challenging to master as much as they are exciting to use. This book will ease the learning curve by offering step-by-step guidance on how to extend the core functionality of your Magento 2 store. This book is your one-stop guide to build and customize a quality e-commerce website from the latest version of one of the largest, fastest growing, and most popular e-commerce platforms—Magento 2. We start off with an introduction to the fundamental concepts of Magento to give you a foundation to work from. We then move on to configure the development and basic production environment for Magento. After this, you'll get to grips with the major concepts and conventions that are new to the Magento 2 platform. We then delve deeper to get to the core of automated deployments, persisting data, writing data fixture scripts and applying various backend and frontend modifications. As we near the end of the book, you will learn to make API calls and write automated tests. Finally, you will be guided through building a full-blown helpdesk module from scratch. By the end of this book, you will have learned a wide range of techniques to extend and customize your Magento 2 store to fit the requirements of your business. **Style and approach** This book is a mix of theoretical and step-by-step approaches, explained in a conversational and easy-to-follow style. Topics are explained sequentially, giving detailed explanations of the basic and advanced features to get you working on Magento 2.

Maximize the power of Magento for building attractive stores
About This Book*Updated for Magento 2, this book offers a comprehensive coverage of all the new features of Magento to build modern online stores*Exploit little-known techniques to extend, tune, and manage your Magento installation*Detailed coverage to make your store run faster, better, and more productively
Who This Book Is ForThis book is for web designers, developers, or e-commerce store-owners who design or manage Magento stores for their clients and want to gain an in-depth understanding of the various features of Magento 2.
What You Will Learn*Discover what makes Magento 2 different - and even more powerful*Develop strategies to create multi-store environments*Find out how to create themes and extend the functionality of Magento 2*Create sound development practices to insure code integrity and security*Know the why, as well as the how, behind using Magento 2
In DetailThe long-awaited release of the world's most popular online solution, Magento 2, is now out with an all new interface and several enhancements. This book offers you advanced guidance on managing, optimizing, and extending your store while taking advantage of the new features of 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. From planning your Magento installation through to advanced techniques designed to make your store as successful as possible, this book is your roadmap to managing your Magento store. Focusing on Magento's Community version, the book covers everything from creating and managing multiple stores to fine-tuning Magento for speed and performance. You'll learn how to manage categories, products, design themes, extensions, and more.

Over 50 practical recipes that will help you realize the full potential of Magento in order to build a professional online store
About This Book Take advantage of the latest features in Magento 2 to set up an e-commerce store that fits your business needs Packed with several advanced recipes, not just to manage your online store, but to extend and design it as well Written in a cookbook style, you can pick and choose your recipe to carry out your day- to- day Magento store tasks
Who This Book Is For The book is for existing Magento users who want to gain further expertise and insights into managing, designing, and extending their online store in Magento to fit their business needs. Working knowledge of Magento and basic familiarity with programming is expected.
What You Will Learn Set up a Magento 2 project on Apache or Nginx. Transfer your Magento 1 database to Magento 2 using the Magento 2 system tools. Boost the performance of Magento 2

by enabling different types of caching. Build a Magento 2 multi-store by creating a root catalog, subdirectories, and products. Create and manage pages, blocks, and front-end apps. Manage your Magento store by setting up the correct TAX rules. Design custom themes within the Magento 2 framework. Create basic and advanced extensions using Magento 2. In Detail Magento 2 is an open source e-commerce platform that has all the functionality to function from small to large online stores. It is preferred by developers and merchants due to its new architecture, which makes it possible to extend the functionalities with plugins, a lot of which are now created by the community. This merchant and developer guide is packed with recipes that cover all aspects of Magento 2. The recipes start with simple how-to's then delve into more advanced topics as the book progresses. We start with the basics of setting up a Magento 2 project on Apache or Nginx. Next, you will learn about basics including system tools and caching to get your Magento 2 system ready for the real work. We move on to simple tasks such as managing your store and catalog configuration. When you are familiar with this, we cover more complex features such as module and extension development. Then we will jump to the final part: advanced Magento 2 extensions. By the end of this book, you'll be competent with all the development phases of Magento 2 and its most common elements. Style and approach Step by step guide for real world tasks for Magento users to gain a more advanced insight on managing, extending and designing their e-commerce store to fit their business needs. 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. 'eMarketing eXcellence' offers an exciting new approach to help you build a customer-driven e-business. As the core text for the CIM's E-marketing award, the book offers a highly structured and accessible guide to a critical subject, providing a useful reference point for all students and managers involved in marketing strategy and implementation. A practical guide to creating and executing e-marketing plans, this book combines established approaches to marketing planning with the creative use of new e-models and e-tools. It is designed to support both marketers who are integrating e-marketing into their existing marketing and communications strategies and experienced e-marketers looking to optimise their e-marketing. The book shows how to:

- Draw up an outline e-marketing plan
- Evaluate and apply e-marketing principles & models
- Integrate online and offline communications
- Implement customer-driven e-marketing
- Reduce costly trial and error
- Measure and enhance your e-marketing
- Drive your e-business forward

As the core text for the CIM's new professional E-marketing Award, it provides comprehensive, critical coverage of the key areas of e-marketing planning for marketing professionals. Established marketing concepts such as customer relationship management, the marketing mix and the widely adopted SOSTAC® planning system, are re-examined in the new media context - and new approaches are defined, including business models, traffic building and web site design.

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

Whether you are building a personal blog or a corporate website, there is a lot more to web design than div's and CSS selectors, but what do you really need to know? With this book, you'll learn the secrets of designing effective, user-friendly sites, from a full-color introduction to the basics of HTML and CSS from the publishers of Wrox! Every day, more and more people want to learn some HTML and CSS. Joining the professional web designers and programmers are new audiences who need to know a little bit of code at work (update a content management system or e-commerce store) and those who want to make their personal blogs more attractive. Many books teaching HTML and CSS are dry and only written for those who want to become programmers, which is why this book takes an entirely new approach. Introduces HTML and CSS in a way that makes them accessible to everyone—hobbyists, students, and professionals—and it's full-color throughout Utilizes information graphics and lifestyle photography to explain the topics in a simple way that is engaging Boasts a unique structure that allows you to progress through the chapters from beginning to end or just dip into topics of particular interest at your leisure This educational book is one that you will enjoy picking up, reading, then referring back to. It will make you wish other technical topics were presented in such a simple, attractive and engaging way! This book is also available as part of a set in hardcover - Web Design with HTML, CSS, JavaScript and jQuery, 9781119038634; and in softcover - Web Design with HTML, CSS, JavaScript and jQuery, 9781118907443. Learn everything you need to build highly scalable, robust web applications using Angular release 4 About This Book Apply best practices and design patterns to achieve higher scalability in your Angular applications Understand the latest features of Angular and create your own components Get acquainted with powerful, advanced techniques in Angular to build professional web applications Who This Book Is For This book is for JavaScript developers with some prior exposure to Angular, at least through basic examples. We assume that you've got working knowledge of HTML, CSS, and JavaScript. What You Will Learn Implement asynchronous programming using Angular Beautify your application with the UI components built to the material design specification Secure your web application from unauthorized users Create complex forms, taking full advantage of 2-way data binding Test your Angular applications using the Jasmine and Protractor frameworks for better efficiency Learn how to integrate Angular with Bootstrap to create compelling web applications Use Angular built-in classes to apply animation in your app In Detail Got some experience of Angular under your belt? Want to learn everything about using advanced features for developing websites? This book is everything you need for the deep understanding of Angular that will set you apart from the developer crowd. Angular has introduced a new way to build applications. Creating complex and rich web applications, with a lighter resource footprint, has never been easier or faster. Angular is now at release 4, with significant changes through previous versions. This book has been written and tested for Angular release 4. Angular is a mature technology, and you'll likely have applications built with earlier versions. This book starts by showing you best practices and approaches to migrating your existing Angular applications so that you can be immediately up-to-date. You will take an in-depth look at components and see how to control the user journey in your applications by implementing routing and navigation. You will learn how to work with asynchronous programming by using Observables. To easily build applications that look great, you will learn all about template syntax and how to beautify applications with Material Design. Mastering forms and data binding will further speed up your application development time. Learning about managing services and animations will help you to progressively enhance your applications. Next you'll use native directives to integrate Bootstrap with Angular. You will see the best ways to test your application with the leading options such as Jasmine and Protractor. At the end of the book, you'll learn how to apply design patterns in Angular, and see the benefits they will bring to your development. Style and approach This book provides comprehensive coverage of all aspects of development

with Angular. You will learn about all the most powerful Angular concepts, with examples and best practices. This book is everything you need for the deep understanding of Angular that will set you apart from the developer crowd.

Tackle security and networking issues using Python libraries such as Nmap, requests, asyncio, and scapy
Key Features
Enhance your Python programming skills in securing systems and executing networking tasks
Explore Python scripts to debug and secure complex networks
Learn to avoid common cyber events with modern Python scripting
Book Description
It's now more apparent than ever that security is a critical aspect of IT infrastructure, and that devastating data breaches can occur from simple network line hacks. As shown in this book, combining the latest version of Python with an increased focus on network security can help you to level up your defenses against cyber attacks and cyber threats. Python is being used for increasingly advanced tasks, with the latest update introducing new libraries and packages featured in the Python 3.7.4 recommended version. Moreover, most scripts are compatible with the latest versions of Python and can also be executed in a virtual environment. This book will guide you through using these updated packages to build a secure network with the help of Python scripting. You'll cover a range of topics, from building a network to the procedures you need to follow to secure it. Starting by exploring different packages and libraries, you'll learn about various ways to build a network and connect with the Tor network through Python scripting. You will also learn how to assess a network's vulnerabilities using Python security scripting. Later, you'll learn how to achieve endpoint protection by leveraging Python packages, along with writing forensic scripts. By the end of this Python book, you'll be able to use Python to build secure apps using cryptography and steganography techniques. What you will learn
Create scripts in Python to automate security and pentesting tasks
Explore Python programming tools that are used in network security processes
Automate tasks such as analyzing and extracting information from servers
Understand how to detect server vulnerabilities and analyze security modules
Discover ways to connect to and get information from the Tor network
Focus on how to extract information with Python forensics tools
Who this book is for
This Python network security book is for network engineers, system administrators, or any security professional looking to overcome networking and security challenges. You will also find this book useful if you're a programmer with prior experience in Python. A basic understanding of general programming structures and the Python programming language is required before getting started.

Master the art of conducting modern pen testing attacks and techniques on your web application before the hacker does!
About This Book
This book covers the latest technologies such as Advance XSS, XSRF, SQL Injection, Web API testing, XML attack vectors, OAuth 2.0 Security, and more involved in today's web applications
Penetrate and secure your web application using various techniques
Get this comprehensive reference guide that provides advanced tricks and tools of the trade for seasoned penetration testers
Who This Book Is For
This book is for security professionals and penetration testers who want to speed up their modern web application penetrating testing. It will also benefit those at an intermediate level and web developers who need to be aware of the latest application hacking techniques. What You Will Learn
Get to know the new and less-publicized techniques such PHP Object Injection and XML-based vectors
Work with different security tools to automate most of the redundant tasks
See different kinds of newly-designed security headers and how they help to provide security
Exploit and detect different kinds of XSS vulnerabilities
Protect your web application using filtering mechanisms
Understand old school and classic web hacking in depth using SQL Injection, XSS, and CSRF
Grasp XML-related vulnerabilities and attack vectors such as XXE and DoS techniques
Get to know how to test REST APIs to discover security issues in them
In Detail
Web penetration testing is a growing, fast-moving, and absolutely critical field in information security. This book executes modern web application attacks and utilises cutting-edge hacking techniques with an enhanced knowledge of web application security. We will cover web hacking techniques so you can

explore the attack vectors during penetration tests. The book encompasses the latest technologies such as OAuth 2.0, Web API testing methodologies and XML vectors used by hackers. Some lesser discussed attack vectors such as RPO (relative path overwrite), DOM clobbering, PHP Object Injection and etc. has been covered in this book. We'll explain various old school techniques in depth such as XSS, CSRF, SQL Injection through the ever-dependable SQLMap and reconnaissance. Websites nowadays provide APIs to allow integration with third party applications, thereby exposing a lot of attack surface, we cover testing of these APIs using real-life examples. This pragmatic guide will be a great benefit and will help you prepare fully secure applications. Style and approach This master-level guide covers various techniques serially. It is power-packed with real-world examples that focus more on the practical aspects of implementing the techniques rather going into detailed theory.

Why a book about logs? That's easy: the humble log is an abstraction that lies at the heart of many systems, from NoSQL databases to cryptocurrencies. Even though most engineers don't think much about them, this short book shows you why logs are worthy of your attention. Based on his popular blog posts, LinkedIn principal engineer Jay Kreps shows you how logs work in distributed systems, and then delivers practical applications of these concepts in a variety of common uses—data integration, enterprise architecture, real-time stream processing, data system design, and abstract computing models. Go ahead and take the plunge with logs; you're going love them. Learn how logs are used for programmatic access in databases and distributed systems Discover solutions to the huge data integration problem when more data of more varieties meet more systems Understand why logs are at the heart of real-time stream processing Learn the role of a log in the internals of online data systems Explore how Jay Kreps applies these ideas to his own work on data infrastructure systems at LinkedIn

This second edition of Foundations of Python Network Programming targets Python 2.5 through Python 2.7, the most popular production versions of the language. Python has made great strides since Apress released the first edition of this book back in the days of Python 2.3. The advances required new chapters to be written from the ground up, and others to be extensively revised. You will learn fundamentals like IP, TCP, DNS and SSL by using working Python programs; you will also be able to familiarize yourself with infrastructure components like memcached and message queues. You can also delve into network server designs, and compare threaded approaches with asynchronous event-based solutions. But the biggest change is this edition's expanded treatment of the web. The HTTP protocol is covered in extensive detail, with each feature accompanied by sample Python code. You can use your HTTP protocol expertise by studying an entire chapter on screen scraping and you can then test lxml and BeautifulSoup against a real-world web site. The chapter on web application programming now covers both the WSGI standard for component interoperability, as well as modern web frameworks like Django. Finally, all of the old favorites from the first edition are back: E-mail protocols like SMTP, POP, and IMAP get full treatment, as does XML-RPC. You can still learn how to code Python network programs using the Telnet and FTP protocols, but you are likely to appreciate the power of more modern alternatives like the paramiko SSH2 library. If you are a Python programmer who needs to learn the network, this is the book that you want by your side.

Configure, manage, and secure a CentOS 7 Linux server to serve a variety of services provided in a sustainable computer's infrastructure. About This Book Learn how to efficiently set up and manage a Linux server using one of the best suited technologies for this purpose, CentOS 7 Personalize your Linux server and familiarize yourself with the latest tools and utilities setup provided by the new CentOS distribution Follow a step-by-step tutorial through the configuration of the requested services with the capacity to personalize them as per

your needs Who This Book Is For If you are a Linux system administrator with an intermediate administration level, this is your opportunity to master the brand new distribution of CentOS. If you wish to possess a fully sustainable Linux server, with all its new tools and tweaks, that serves a variety of services to your users and customers, this book is ideal for you. It is your ticket to easily adapt to all the changes made in the latest shift. What You Will Learn Manage CentOS 7 users, groups, and root access privileges Enhance the server's security through its firewall and prevent the most common attacks from penetrating or disabling the server Explore and implement the common, useful services that a CentOS 7 server can provide Monitor your server infrastructure for system or hardware issues Create and configure a virtual machine using virtualization technologies Implement a cloud computing solution on a single node system Get an introduction to the configuration management tools and their usage Discover the importance of the tools that provide remote connection, server service security, and system and process monitoring tools In Detail Most server infrastructures are equipped with at least one Linux server that provides many essential services, both for a user's demands and for the infrastructure itself. Setting up a sustainable Linux server is one of the most demanding tasks for a system administrator to perform. However, learning multiple, new technologies to meet all of their needs is time-consuming. CentOS 7 is the brand new version of the CentOS Linux system under the RPM (Red Hat) family. It is one of the most widely-used operating systems, being the choice of many organizations across the world. With the help of this book, you will explore the best practices and administration tools of CentOS 7 Linux server along with implementing some of the most common Linux services. We start by explaining the initial steps you need to carry out after installing CentOS 7 by briefly explaining the concepts related to users, groups, and right management, along with some basic system security measures. Next, you will be introduced to the most commonly used services and shown in detail how to implement and deploy them so they can be used by internal or external users. Soon enough, you will be shown how to monitor the server. We will then move on to master the virtualization and cloud computing techniques. Finally, the book wraps up by explaining configuration management and some security tweaks. All these topics and more are covered in this comprehensive guide, which briefly demonstrates the latest changes to all of the services and tools with the recent shift from CentOS 6 to CentOS 7. Style and approach This is a detailed and in-depth guide to help you administrate CentOS 7 for the usage of your server's infrastructure and also for personal network security. Each section shows a list of tools and utilities that are useful to perform the required task, in an easy to understand manner.

Real-world examples of cross-browser, mobile, and data-driven testing with all the latest features of Selenium WebDriver 3 Key Features Unlock the full potential of Selenium to test your web applications Use Selenium Grid for faster, parallel running, and cross-browser testing Test iOS and Android Apps with Appium Book Description Selenium WebDriver is an open source automation tool implemented through a browser-specific driver, which sends commands to a browser and retrieves results. The latest version of Selenium 3 brings with it a lot of new features that change the way you use and setup Selenium WebDriver. This book covers all those features along with the source code, including a demo website that allows you to work with an HTML5 application and other examples throughout the book. Selenium WebDriver 3 Practical Guide will walk you through the various APIs of Selenium WebDriver, which are used in automation tests, followed by a discussion of the various WebDriver implementations available. You will learn to strategize and handle rich web UI using advanced WebDriver API along with real-time challenges faced in WebDriver and solutions to handle them. You will discover different types and domains of testing such as cross-browser testing, load testing, and mobile testing with Selenium. Finally, you will also be introduced to data-driven testing using TestNG to create your own automation framework. By the end of this book, you will be able to select any web application and automate it the way you want. What you will learn Understand what Selenium 3 is and how it has been improved than its predecessor Use different mobile and

desktop browser platforms with Selenium 3 Perform advanced actions, such as drag-and-drop and action builders on web page Learn to use Java 8 API and Selenium 3 together Explore remote WebDriver and discover how to use it Perform cross browser and distributed testing with Selenium Grid Use Actions API for performing various keyboard and mouse actions Who this book is for Selenium WebDriver 3 Practical Guide is for software quality assurance/testing professionals, software project managers, or software developers interested in using Selenium for testing their applications. Prior programming experience in Java is necessary.

A collection of stories provides the opposing point of view of a number of villainous characters from classic fairy tales who relate how they have been misjudged and misunderstood for so long by so many.

This book will provide clear guidance on how to work through the most valuable design patterns effectively in Angular. You will explore some of the best ways to work with Angular to meet the performance required in the web development world. You will also learn the best practices to improve your productivity and the code base of your application.

Written in a step by step tutorial style with plenty of insider insights along the way. Web designers, developers or ecommerce store-owners, who design or manage Magento stores for their clients.

Orchestrates 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 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.

In the world of e-commerce, there are dozens of tools available to use in custom web design and development. Out of all of these options,

Magento is the web's fastest growing e-commerce platform. Its architecture makes it possible to extend the functionalities using plugins, which are shared by the community, extensively. This book is a practical guide packed with examples so developers can understand its fundamental concepts and then start developing and testing Magento code. The book starts by building your knowledge of Magento, providing you with the techniques and tools you require to start your first Magento development. You will then learn to work with data collections and the EAV system, before gradually moving on to extending the frontend and backend. You will learn all about deploying and distributing custom modules. This book will help you navigate your way around your first Magento developments, helping you to avoid all of the most common headaches that new developers face when first getting started.

Over 60 recipes that will tailor and customize your experience with Magento 2 About This Book Solve common problems encountered while extending your Magento 2 store to fit your business needs Delve into the exciting and enhanced features of Magento 2 such as customizing security permissions, intelligent filtered search options, easy third-party integration, among others Learn to build and maintain a Magento 2 shop via a visual-based page editor and customize the look and feel using Magento 2's offerings on the go Who This Book Is For This book is for every developer who has knowledge of PHP and wants to extend or customize the functionality of their Magento 2 system. If you have prior experience of the Magento platform, you will find this book useful in exploring the advanced features. What You Will Learn Install a Magento 2 shop with sample data Upgrade the data in a Magento 1 shop to a Magento 2 shop Manage the look and feel of the shop with custom themes Extend the shop with custom functionality such as forms, grids, and more Accelerate your store with some performance tools Build and structure your own shipping module Test your shop with automated tests and manage your product display In Detail With the challenges of growing an online business, Magento 2 is an open source e-commerce platform with innumerable functionalities that gives you the freedom to make on-the-fly decisions. It allows you to customize multiple levels of security permissions and enhance the look and feel of your website, and thus gives you a personalized experience in promoting your business. Style and approach This book is packed with a wide range of techniques to modify and extend the functionality of your online store. It contains easy-to-understand recipes starting with the basics and moving on to cover advanced topics. Many recipes work with code examples that can be downloaded from the book's website.

Gary Bronson's A FIRST BOOK OF C++, 4e, International Edition takes a hands-on, applied approach to the first programming language course for students studying computer science. The book begins with procedural programming in C, and then gradually introduces object-oriented programming features and the C++ language syntax that enables first-time programmers to use them.

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.

React helps you create and work on an app in just a few minutes. But learning how to put all the pieces together is hard. How do you validate a form? Or implement a complex multistep user action without writing messy code? How do you test your code? Make it reusable? Wire it to a backend? Keep it easy to understand? The React Cookbook delivers answers fast. Many books teach you how to get started, understand the framework, or use a component library with React, but very few provide examples to help you solve particular problems. This easy-to-use cookbook includes the example code developers need to unravel the most common problems when using React, categorized by topic area and problem. You'll learn how to: Build a single-page application in React using a rich UI Create progressive web applications that users can install and work with offline Integrate with backend services such as REST and GraphQL Automatically test for accessibility problems in your application Secure applications with fingerprints and security tokens using WebAuthn Deal with bugs and avoid common functional and performance problems

Create stunning and responsive Magento 2 themes for your business About This Book Realize the full potential of theme design in Magento 2 Design attractive themes for your e-commerce store to make them stand out amongst the crowd Practical skills and examples ensure you can take what you've learnt to your own projects – limited only by your own creativity! Who This Book Is For This book is for web designers and developers with existing knowledge of CSS, HTML, and XML who wish to create themes for Magento 2. Existing Magento 1.x theme designers who now want to develop

themes for Magento 2 will also find this book useful. What You Will Learn Implement a local development Magento environment Understand the workings of the Magento theme structure Edit an existing Magento theme to satisfy your business needs Create print strategies for the Magento 2.0 theme Generate specific blocks to improve the Magento 2.0 theme Explore specific Magento programming Methods to improve the Magento 2.0 theme Customize the Magento 2.0 admin panel to create a new Magento 2.0 admin theme Build a Twitter module for Magento 2.0 and integrate Magento 2.0 with social bookmarking In Detail Magento is the e-commerce software and platform trusted by the world's leading brands. Using Magento's powerful theming engine, you can control the look, content, and functionality, and easily launch a flexible e-commerce website. However, because of its powerful features, developing Magento themes is easier said than done. This book aims to leverage the enhancements to theme designing in Magento 2 to the fullest. It will show you how to gear up the performance of your e-commerce website. We begin by introducing Magento 2 and its features along with implementing a local development Magento environment. We then move on to discuss the concepts of the Magento theme structure such as templates, inheritance, customization, and override. Further on, we explore the Magento UI Library, which is a new feature available in Magento 2.0. We will create a new Magento 2.0 theme named MyCake Store using Magento Bootstrap from Maven E-commerce and also create print strategies for the Magento 2.0 theme. We will also create and customize a new theme proposal for the Magento admin panel. At the end, we will integrate Magento 2.0 to Twitter and integrate it with social bookmarking and finally deploy our new Magento 2.0 theme. Style and approach This is a step-by-step guide to customizing the look and feel of your online store by creating stunning and responsive themes from scratch. In addition to creating new themes, the book will also offer guidance on customizing existing themes.

This book is written in a friendly, beginner's guide style with plenty of step-by-step instructions for installing, configuring, and using Magento to run your own e-commerce site. We will set up an example store in the book with enough information to adapt the instructions according to your needs. This book is for anyone who wants to create an online store using Magento. If you are a non-technical person and are discouraged by the complexity of this powerful e-commerce application, this book is ideal for you. This book would also suit someone with e-commerce knowledge but requires a guide to getting started with Magento.

Written in a step-by-step, tutorial style with a lot of code snippets and hands-on examples to create an advanced Magento theme from scratch, this book is tailor-made for web designers and developers. This book is great for developers and web designers who are looking to get a good grounding in how to create custom, responsive, and advanced Magento themes. Readers must have some experience with HTML, PHP, CSS, and Magento theme design.

This book will be useful for anybody who already has knowledge of the Magento frontend structure.

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