

Drupal Module Development

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Drupal for Designers - Dani Nordin 2012-07-11

Are you a solo web designer or part of a small team itching to build interesting projects with Drupal? This hands-on book provides the tools and techniques to get you going. Award-winning designer Dani Nordin guides you through site planning, teaches you how to create solid, user-centered design for the Drupal framework, and shows you tricks for using real, honest-to-goodness, developer Ninja Magick. This book is a compilation of three short guides—Planning Drupal Projects, Design and Prototyping for Drupal, and Drupal Development Tricks for Designers—plus exclusive "director's material." If you're familiar with HTML and CSS, but struggling with Drupal's learning curve, this is the book you've been looking for. Get extra material, including an expanded Grids chapter, more recommended modules, and a Short Form Project plan Learn how to work user-centered design practices into Drupal projects Choose the right modules for your project, and discover several go-to modules Use strategies for sketching, wireframing, and designing effective layouts Manage Drupal's markup, including code generated by the powerful Views module Learn how to work with Drupal on the command line Set up your development environment and collaborate with other designers and developers Learn the basics of Git, the free open source version control system

Learning Drupal 6 Module Development - Matt Butcher 2008

This book is written for PHP developers who want to add custom features

to Drupal. You will need to know the basics of PHP and MySQL programming, but no experience of programming Drupal is required, although you will be expected to be familiar with the basic operation of Drupal.

Drupal 8 Module Development - Daniel Sipos 2019-03-28

Drupal 8 comes with a release cycle that allows for new functionality to be added at a much faster pace. However, this also means code deprecations and changing architecture that you need to stay on top of. This book updates the first edition and includes the new functionality introduced in versions up to, and including 8.7.

Enterprise Drupal 8 Development - Todd Tomlinson 2017-01-24

Building and maintaining an enterprise-ready Drupal website presents a unique set of challenges and complexities. From development processes and content management to deployments, version control and more, all aspects of Drupal development are impacted when two or more developers are on a project. If you are involved in a Drupal project that requires frequent updates and long-term support from a team of developers, system administrators, and end-users, Enterprise Drupal 8 Development is for you. Enterprise Drupal 8 Development covers everything you need to know to successfully architect a Drupal 8 website that scales to meet project requirements of any size and scope. Starting with a one-chapter review of Drupal basics that can be useful to developers, sysadmins, and content-creators alike, it dives into deeper

topics including software development processes, architecting a Drupal site, scaling Drupal, DevOps and server administration best practices, creating APIs, working effectively with themes, and more. In addition to a thorough discussion of custom module development and how to develop modules as building blocks, this book also reviews many common ways of integrating Drupal with other 3rd party systems. Whether you're an experienced Drupal developer looking to expand your skills, a systems administrator managing a Drupal project, or a PHP developer new to Drupal, *Enterprise Drupal 8 Development* will give you the knowledge and inspiration you need to manage large and complex projects. What You'll Learn:

- How to architect Drupal for development teams with multiple developers
- Software engineering practices best-suited for large Drupal projects
- Best practices for integrating 3rd party applications with Drupal
- How to manage content, code, and configuration across multiple staging environments
- How to build a consistent user experience for administrators and content creators

Who This Book Is For: The Primary audience for this book is:

- Intermediate to advanced Drupal Developers who are working on large-scale Drupal projects
- Advanced PHP developers new to Drupal

The secondary audience for this book is:

- IT Professionals such as Systems Administrators managing Drupal projects

High Performance Drupal- Jeff Sheltren 2013-10-14

How can you help your Drupal website continue to perform at the highest level as it grows to meet demand? This comprehensive guide provides best practices, examples, and in-depth explanations for solving several performance and scalability issues. You'll learn how to apply coding and infrastructure techniques to Drupal internals, application performance, databases, web servers, and performance analysis. Covering Drupal versions 7 and 8, this book is the ideal reference for everything from site deployment to implementing specific technologies such as Varnish, memcache, or Solr. If you have a basic understanding of Drupal and the Linux-Apache-MySQL-PHP (LAMP) stack, you're ready to get started. Establish a performance baseline and define goals for improvement. Optimize your website's code and front-end performance

Get best and worst practices for customizing Drupal core functionality. Apply infrastructure design techniques to launch or expand a site. Use tools to configure, monitor, and optimize MySQL performance. Employ alternative storage and backend search options as your site grows. Tune your web servers through httpd and PHP configuration. Monitor services and perform load tests to catch problems before they become critical.

Drupal 9 Module Development, 3rd Edition - Daniel Sipos 2020

Build and extend flexible Drupal sites and applications with this up-to-date, expert guide to Drupal 9 module development. Key Features

- Explore the essential Drupal 9 APIs for module development
- Learn how to implement data modeling, caching, architecture, and much more in your Drupal applications
- Discover what's new in the latest Drupal core releases

Book Description With its latest release, Drupal 9, the popular open source CMS platform has been updated with new functionalities for building complex Drupal apps with ease. This third edition of the *Drupal Module Development* guide covers these new Drupal features, helping you to stay on top of code deprecations and the changing architecture with every release. The book starts by introducing you to the Drupal 9 architecture and its subsystems before showing you how to create your first module with basic functionality. You'll explore the Drupal logging and mailing systems, learn how to output data using the theme layer, and work with menus and links programmatically. Once you've understood the different kinds of data storage, this Drupal guide will demonstrate how to create custom entities and field types and leverage the Database API for lower-level database queries. You'll also learn how to introduce JavaScript into your module, work with various file systems, and ensure that your code works on multilingual sites. Finally, you'll work with Views, create automated tests for your functionality, and write secure code. By the end of the book, you'll have learned how to develop custom modules that can provide solutions to complex business problems, and who knows, maybe you'll even contribute to the Drupal community! What you will learn

- Develop custom Drupal 9 modules for your applications
- Master different Drupal 9 subsystems and APIs
- Model, store, manipulate, and process data for effective data management
- Display data and

content in a clean and secure way using the theme system Test your business logic to prevent regression Stay ahead of the curve and write PHP code by implementing best practices Who this book is for If you are a Drupal developer looking to learn Drupal 9 to write modules for your sites, this book is for you. Drupal site builders and PHP developers with basic object-oriented programming skills will also find this book helpful. Although not necessary, some Symfony experience will help with understanding concepts easily.

Drupal 7 Explained Stephen Burge 2013

Drupal made easy, by top Drupal trainer Stephen Burge, who teaches everything a student needs to know--and nothing they don't need to know! They'll master Drupal one easy step at a time, through a complete, real-world sample project. With crystal-clear visuals, simple explanations, perfect analogies, Drupal 7 Explained guides students up the learning curve--from confusion to results!

Drupal 8 Development: Beginner's Guide - Second Edition - Neeraj Kumar 2016-06-30

Develop your programming skills by creating engaging websites using Drupal 8 About This Book- Explore the new features of Drupal 8 through practical and interesting examples while building a fully functional recipe sharing website- Learn about web content management, multi-media integration, and the newly introduced native web services in Drupal 8- A hands-on, example-driven guide to developing Drupal websites that covers everything from site building, theme development, creating custom modules, as well as the development environment Who This Book Is For If you are a developer who wants to use Drupal to enhance your website project and web application to manage content, this book is for you. Whether you are new to Drupal or an experienced web developer, you will be able to master both basic configuration and advanced module development in Drupal through this book. What You Will Learn- Set up your Drupal development environment- Brush up on your understanding of the concepts of object-oriented programming, module development, and test-driven development- Install and configure Drupal, add new content type, and work through lot of dummy content to

create listing pages using views- Enhance the content author's user experience and custom block- Find out about field Type API and explore custom theme development- Manage various media types in Drupal for your content-rich website In Detail Drupal is one of the most popular platforms with which to develop websites. With more and more organizations looking to build engaging digital experience for their stakeholders, the Drupal Content Management System offers a mobile-first platform with native support for integrations, better performance, and scalability. The new version brings significant changes to its module development and theme creation techniques, improving performance and refining the development experience. This book will help you develop your own website using Drupal 8 in a step-by-step manner. You'll start off by setting up your development environment, enabling you to begin writing custom code for a Drupal-powered website through PHPStorm. You will learn about configuration management and creating custom content types before exploring the HTML5 features included with Drupal 8. You will then get familiar with Drupal 8's mobile-first features, explore the built-in WYSIWYG and in-line editing capabilities of Drupal 8, and enhance the overall authoring experience. Later, you will create and enhance a Media Entity Lightbox module, before taking an in-depth look at the Views module. We then cover some advanced search concepts and walk you through the installation and integration of the Java-based Apache Solr search engine. Finally, you will explore and configure the built-in support for REST and extend its support by installing the RESTful module. By the end of the book, you will have created a recipe sharing website while gaining a solid understanding of development best practices for Drupal 8. Style and approach Each chapter provides examples in a sequential manner from basic to advanced, and each example is explained using easy-to-understand language and a step-by-step approach. This programming experience will enable you to create a wide range of content authoring as well as end user experience.

[Programmer's Guide to Drupal](#) - Jennifer Hodgdon 2015-10-13

If you're a web programmer, your experiences have taught you certain lessons—and only some of them apply well to Drupal. Drupal has its own

set of programming principles that require a different approach, and many programmers make mistakes when relying on skills they've used for other projects. This book will show you which programming techniques you can use—and which you should avoid—when building web applications with this popular content management framework. Updated to cover both Drupal 7 and Drupal 8, the guidelines in this book demonstrate which programming practices conform to the "Drupal way" and which don't. The book also serves as an excellent guide for Drupal 7 programmers looking to make the transition to Drupal 8. Get an overview of Drupal, including Drupal core and add-on modules and themes Learn Drupal's basic programming principles, such as the ability to customize behavior and output with hooks Compare Drupal 7 and Drupal 8 programming methods, APIs, and concepts Discover common Drupal programming mistakes—and why hacking is one of them Explore specific areas where you can put your programming skills to work Learn about the new object-oriented Drupal 8 API, including plugins and services

[The Definitive Guide to Drupal 7](#) - Benjamin Melancon 2011-12-27

The Definitive Guide to Drupal 7 is the most comprehensive book for getting sites done using the powerful and extensible Drupal content management system. Written by a panel of expert authors, the book covers every aspect of Drupal, from planning a successful project all the way up to making a living from designing Drupal sites and to contributing to the Drupal community yourself. With this book you will:

- Follow practical approaches to solving many online communication needs with Drupal with real examples.
- Learn how to keep learning about Drupal: administration, development, theming, design, and architecture.
- Go beyond the code to engage with the Drupal community as a contributing member and to do Drupal sustainably as a business.

The Definitive Guide to Drupal 7 was written by the following team of expert Drupal authors: Benjamin Melançon, Jacine Luisi, Károly Négyesi, Greg Anderson, Bojhan Somers, Stéphane Corlosquet, Stefan Freudenberg, Michelle Lauer, Ed Carlevalle, Florian Lorétan, Dani Nordin, Ryan Szrama, Susan Stewart, Jake Strawn, Brian Travis, Dan Hakimzadeh, Amye Scavarda, Albert Albala, Allie Micka, Robert Douglass, Robin

Monks, Roy Scholten, Peter Wolanin, Kay VanValkenburgh, Greg Stout, Kasey Qynn Dolin, Mike Gifford, Claudina Sarahe, Sam Boyer, and Forest Mars, with contributions from George Cassie, Mike Ryan, Nathaniel Catchpole, and Dmitri Gaskin. For more information, check out the Drupaleasy podcast #63, in which author Benjamin Melançon discusses The Definitive Guide to Drupal 7 in great detail:

<http://drupaleasy.com/podcast/2011/08/drupaleasy-podcast-63-epic-Decoupled Drupal in Practice> - Preston So 2018-12-12

Gain a clear understanding of the most important concepts in the decoupled CMS landscape. You will learn how to architect and implement decoupled Drupal architectures across the stack—from building the back end and designing APIs to integrating with front-end technologies. You'll also review presenting data through consumer applications in widely adopted technologies such as Angular, Ember, React, and Vue.js. Featuring a foreword by Drupal founder and project lead Dries Buytaert, the first part of this book chronicles the history of the CMS and the server-client divide, analyzes the risks and rewards of decoupled CMS architectures, and presents architectural patterns. From there, the book explores the core and contributed landscape for decoupled Drupal, authentication mechanisms, and the surrounding tooling ecosystem before delving into consumer implementations in a variety of technologies. Finally, a series of chapters on advanced topics feature the Drupal REST plugin system, schemas and generated documentation, and caching. Several projects point to a decoupled future for Drupal, including the Contenta CMS and work to modernize Drupal's JavaScript using React. Begin learning about these and other exciting developments with Decoupled Drupal today. What You'll Learn Evaluate the risks and rewards of decoupled Drupal and classify its architectures Authenticate requests to Drupal using OAuth, JWT, and Basic Authentication Consume and manipulate Drupal content via API through HTTP requests Integrate with other consumer applications for native mobile and desktop as well as set-top boxes (Roku, Apple TV, Samsung TV) Add new resources to Drupal's REST API using the REST plugin system Generate API documentation that complies with the OpenAPI

(Swagger) standard Who This Book Is For Those with some exposure to CMSes like WordPress and Drupal and those who wish to follow along with JavaScript application development will benefit. A familiarity with API-first or services-oriented architectures is helpful but not presumed.

Beginning Drupal 7 - Todd Tomlinson 2010-12-31

This book focuses on the nontechnical user who is responsible for building, maintaining, and managing Drupal web sites. The book covers why you should consider using Drupal when building a new web site, what Drupal is, installing and configuring Drupal, creating and managing content, managing users, adding functionality to your web site through Drupal modules, and more advanced topics on using themes, panels, and views. By reading this book, you will: Understand why you should use Drupal and the power of the platform. Quickly build confidence in your ability to use Drupal. Gain the knowledge necessary to build, deploy, and manage web sites of moderate complexity on Drupal 7.

Drupal 7 Media - Liran Tal 2013-01-01

This is a practical, hands-on guide packed with examples that will help you build rich Drupal 7 media web applications. If you are a Drupal site builder and you wish to spice up your web applications with rich media content, then this book is for you. A basic understanding of HTML, JavaScript, and basic PHP module development in Drupal would be helpful, but is not necessary.

Leveraging Drupal - Victor Kane 2009-07-01

This book is a step-by-step guide and a hands-on co-piloted experience for those trying to make Drupal powered websites work for them, and for their clients. Much more than a "tutorial", what is needed is a nuts-and-bolts living mentor and guide which really shows the reader how to do the things really required for bringing it all together in a site which works. This will be the only book covering all the difficult components of Drupal: views, panels, themes, content creation, etc. The book will cover: How to upgrade your hopelessly outdated and obsolete-software dependent site and bring it into the Drupal mainstream and future How to become a great Drupal themer and make "non-Drupal" looking sites How to really customize Drupal for your real needs How to start using

best practices in Drupal web application development How to work like the pro Drupal shops and be ready for big projects - and small ones Learn by example (code samples, theme samples, videos) at every step *Drupal 7 Multilingual Sites* - Kristen Pol 2012-01-01

A practical book with plenty of screenshots to guide you through the many features of multilingual Drupal. A demo ecommerce site is provided if you want to practice on a sample site, although you can apply the techniques learnt in the book directly to your site too. Any Drupal users who know the basics of building a Drupal site and are familiar with the Drupal UI, will benefit from this book. No previous knowledge of localization or internationalization is required.

Enterprise Drupal 8 Development - Todd Tomlinson 2017-05-22

Successfully architect a Drupal 8 website that scales to meet project requirements of any size and scope. Starting with a one-chapter review of Drupal basics, you'll dive into deeper topics including software development processes, architecting a Drupal site, scaling Drupal, working effectively with themes, and more. In addition to a thorough discussion of custom module development and how to develop modules as building blocks, you'll also review many common ways of integrating Drupal with other 3rd party systems. Building and maintaining an enterprise-ready Drupal website presents a unique set of challenges and complexities. From development processes and content management to deployments, version control and more, all aspects of Drupal development are impacted when two or more developers are on a project. If you are involved in a Drupal project that requires frequent updates and long-term support from a team of developers, system administrators, and end-users, Enterprise Drupal 8 Development is for you. Whether you're an experienced Drupal developer looking to expand your skills, a systems administrator managing a Drupal project, or a PHP developer new to Drupal, Enterprise Drupal 8 Development will give you the knowledge and inspiration you need to manage large and complex projects. What You'll Learn Architect Drupal for development teams and apply best practices for large Drupal projects Integrate 3rd party applications with Drupal Manage content, code, and configuration across

multiple staging environments Build a consistent user experience for administrators and content creators Who This Book Is For The primary audience is intermediate to advanced Drupal developers who are working on large-scale Drupal projects and advanced PHP developers new to Drupal The secondary audience is IT Professionals such as Systems Administrators managing Drupal projects

Pro Drupal 7 for Windows Developers - Brian Travis 2011-07-18

Drupal 7 opens the door for you as a Windows developer to build Drupal sites—including custom modules—all without leaving Visual Studio! Pro Drupal 7 for Windows Developers gives you everything you need to know to achieve this, whilst drilling down into the advanced topics that you'll want to master whilst working with Drupal 7 as a Windows developer. Pro Drupal 7 for Windows Developers starts with the Drupal page model, which Windows programmers can contrast against the ASP.NET page model. You will then explore the various features of Drupal, including the hook model, theming, roles, and caching. You'll also discover the data abstraction layer which lays the foundation for integration with your enterprise-level databases and external systems. Pro Drupal 7 for Windows Developers focuses on the important topics for the programmer coming to Drupal: An up-to-speed introduction to Drupal for developers so that they can get past the initial learning curve most efficiently. Key introductions to the important features of Drupal, including the page model, the hook architecture, the theming layer, and custom module development. How to work with the Drupal 7 features you want to work with within the Windows development environment. Step-by-step tutorials on building, testing, and deploying custom modules for internal use or for sharing with the Drupal community. Pro Drupal 7 for Windows Developers provides a bridge to Drupal for you as a Windows developer—by speaking your language!

Learni ng Drupal 6 M d u l e D e v e l o p m e n t Matt Butcher 2008-05-08

A practical tutorial for creating your first Drupal 6 modules with PHP.

Drupal 7 M d u l e D e v e l o p m e n t - Matt Butcher 2010

This book takes a hands-on, practical approach to software development. The authors, all professional Drupal developers and contributors to the

Drupal project, provide accessible coding samples designed to exhibit not only the technical merits and abilities of Drupal, but also proper architectural and stylistic approaches to coding on one of the world's most popular content management systems. Every chapter provides fully functional code samples illustrating the APIs and strategies discussed in the chapter. With this foundation, developers can quickly build sophisticated tools on their own by making use of the strategies and techniques exemplified in this book. If you are a PHP developer or a Drupal user looking to dive into Drupal development then you will find this book an excellent introduction to coding within Drupal. Those with some Drupal experience will also find this an invaluable tool for updating their knowledge about the powerful new features of Drupal 7. Theme developers looking to extend their abilities will find this an accessible introduction to PHP coding within the Drupal environment. This book assumes that you are familiar with basic PHP programming, along with HTML and CSS. No experience with programming Drupal is required, although it is also a handy way for experienced Drupal developers to get up to speed with Drupal 7.

Drush for Developers - Second Edition - Juampy Novillo Requena 2015-01-29

This book is a best fit for backend developers with a basic knowledge of Drupal's APIs and some experience using the command line. Perhaps you already worked on one or two Drupal projects, but have never dived deep into Drush's toolset. In any case, this book will give you a lot of advice by covering real-world challenges in Drupal projects that can be solved using Drush.

Drupal 8: Enterprise Web Development - Nick Abbott 2016-12-30

Harness the power of Drupal 8 to create enterprise-grade, highly scalable websites About This Book Build complete, complex websites with no prior knowledge of web development entirely using the intuitive Drupal user interface Ensure your sites are modern, responsive and mobile-friendly through utilizing the full features available in Drupal 8 Quickly master theme administration, custom block layouts, views, and the Twig template structure Who This Book Is For This course is suitable

for web developers, designers, as well as web administrators who are keen on building modern, scalable websites using Drupal 8 and its wide range of new features

What You Will Learn

- Set up a local “stack” development environment and install your first Drupal 8 site
- Find out what is available in the Drupal 8 core
- Integrate third-party front-end and back-end libraries with Drupal
- Understand the plugin system that powers many of Drupal 8's new APIs to extend its functionality
- Build custom block layouts with reusable and fieldable blocks
- Work with the new Twig PHP templating engine
- Develop a theme from scratch following a step-by-step project outline

In Detail

This Drupal 8 course takes you through the journey of building, extending, and customizing websites to build highly scalable and enterprise-ready websites. The first part—Learning Drupal 8—takes you step by step through building a Drupal 8 website. You will start with the basics, such as setting up a local “stack” development environment and installing your first Drupal 8 site, then we move on to image and media handling and extending Drupal modules. This section will help you get to grips with the modular nature of Drupal, and you'll learn how to extend it by adding new functionalities to create your new modules. After learning to develop and manage a modern and responsive website using Drupal 8, you'll start exploring different techniques to take advantage of the new Drupal 8 features. The next module—Drupal 8 Development Cookbook—is your go-to guide to experimenting with all of Drupal 8's features through helpful recipes. You will explore techniques to customize and configure the Drupal environment, create blocks and custom modules, as well as make your web apps responsive by harnessing the mobile-first feature of Drupal 8. This module will also show you how to incorporate multilingual facilities in your sites, use web services and third-party plugins with your applications from inside Drupal 8, and test and deploy your apps. In the third part—Drupal 8 Theming with Twig—you will master Drupal 8's new Twig templating engine to customize the look and feel of your website. This section will walk you through a real-world project to create a Twig theme from concept to completion while adopting best practices to implement CSS frameworks and JavaScript libraries. You will see just

how quick and easy it is to create beautiful, responsive Drupal 8 websites while avoiding the common mistakes that many front-end developers make. By the end, you will have learned how to develop, manage, extend, and customize an enterprise-level website. 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: Learning Drupal 8 by Nick Abbott and Richard Jones Drupal 8 Development Cookbook by Matt Glaman Drupal 8 Theming with Twig by Chaz Chumley

Style and approach

This course offers a thorough coverage of developing, managing, extending, and designing highly scalable websites using the Drupal 8 platform. Filled with practical examples and recipes, this course is a great combination of example-driven learning complemented by interesting techniques to take advantage of the Drupal platform.

Savage Bounty - Matt Wallace 2021-07-20

"The call them Savages. Brutal. Efficient. Expendable. The empire relies on them. The greatest weapon they ever developed. Culled from the streets of their cities, they take the ones no one will miss and throw them, by the thousands, at the empire's enemies. If they live, they fight again. If they die, well, there are always more"--

Drupal 9 Module Development - Daniel Sipos 2020-08-14

Build and extend flexible Drupal sites and applications with this up-to-date, expert guide to Drupal 9 module development

Key Features

- Explore the essential Drupal 9 APIs for module development
- Learn how to implement data modeling, caching, architecture, and much more in your Drupal applications
- Discover what's new in the latest Drupal core releases

Book Description

With its latest release, Drupal 9, the popular open source CMS platform has been updated with new functionalities for building complex Drupal apps with ease. This third edition of the Drupal Module Development guide covers these new Drupal features, helping you to stay on top of code deprecations and the changing architecture with every release. The book starts by introducing you to the Drupal 9 architecture and its subsystems before showing you how to create your first module with basic functionality. You'll explore the Drupal logging

and mailing systems, learn how to output data using the theme layer, and work with menus and links programmatically. Once you've understood the different kinds of data storage, this Drupal guide will demonstrate how to create custom entities and field types and leverage the Database API for lower-level database queries. You'll also learn how to introduce JavaScript into your module, work with various file systems, and ensure that your code works on multilingual sites. Finally, you'll work with Views, create automated tests for your functionality, and write secure code. By the end of the book, you'll have learned how to develop custom modules that can provide solutions to complex business problems, and who knows, maybe you'll even contribute to the Drupal community! What you will learn

Develop custom Drupal 9 modules for your applications
Master different Drupal 9 subsystems and APIs
Model, store, manipulate, and process data for effective data management
Display data and content in a clean and secure way using the theme system
Test your business logic to prevent regression
Stay ahead of the curve and write PHP code by implementing best practices

Who this book is for
If you are a Drupal developer looking to learn Drupal 9 to write modules for your sites, this book is for you. Drupal site builders and PHP developers with basic object-oriented programming skills will also find this book helpful. Although not necessary, some Symfony experience will help with understanding concepts easily.

Drupal 8 Theming with Twig - Chaz Chumley 2016-03-23

Master Drupal 8's new Twig templating engine to create fun and fast websites with simple steps to help you move from concept to completion

About This Book
Create beautiful responsive Drupal 8 websites using Twig
Quickly master theme administration, custom block layouts, views, and the Twig template structure
A step-by-step guide to the most common approaches in web design

Who This Book Is For
This book is intended for front-end developers, designers, and anyone who is generally interested in learning all the new features of Drupal 8 theming. Discover what has changed from Drupal 7 to Drupal 8 and immerse yourself in the new Twig PHP templating engine. Familiarity with HTML5, CSS3, JavaScript, and the Drupal Admin interface would be

helpful. Prior experience with setting up and configuring a standalone development environment is required as we will be working with PHP and MySQL.

What You Will Learn

- Navigate the Drupal 8 Admin interface
- Build custom block layouts with reusable and fieldable blocks
- Create subthemes based on the Bartik and Classy base themes
- Construct a responsive theme with Twitter Bootstrap
- Work with the new Twig PHP templating engine
- Configure Drupal for Twig debugging
- Enable preprocessing of Twig variables
- Develop a theme from scratch following a step-by-step project outline

In Detail
Drupal 8 is an open source content management system and powerful framework that helps deliver great websites to individuals and organizations, including non-profits, commercial, and government around the globe. This new release has been built on top of object-oriented PHP and includes more than a handful of improvements such as a better user experience, cleaner HTML5 markup, a new templating engine called Twig, multilingual capabilities, new configuration management, and effortless content authoring. Drupal 8 will quickly become the new standard for deploying content to both the web and mobile applications. However, with so many new changes, it can quickly become overwhelming knowing where to start and how to quickly. Starting from the bottom up, we will install, set up, and configure Drupal 8. We'll navigate the Admin interface so you can learn how to work with core themes and create new custom block layouts. Walk through a real-world project to create a Twig theme from concept to completion while adopting best practices to implement CSS frameworks and JavaScript libraries. We will see just how quick and easy it is to create beautiful, responsive Drupal 8 websites while avoiding the common mistakes that many front-end developers make. Style and approach
Drupal 8 Theming with Twig is intended for front-end developers, designers, and anyone who is generally interested in learning all the new features of Drupal 8 theming. Discover what has changed from Drupal 7 to Drupal 8 and immerse yourself in the new Twig PHP templating engine. Familiarity with HTML5, CSS3, JavaScript, and the Drupal Admin interface would be helpful. Prior experience with setting up and configuring a standalone development environment is

required as we will be working with PHP and MySQL.

Pro Drupal 7 Development John VanDyk 2011-02-23

Pro Drupal 7 Development updates the most popular development reference for the release of Drupal 7. With several new and completely-rewritten essential APIs and improvements in Drupal 7, this book will not only teach developers how to write modules ranging from simple to complex, but also how Drupal itself works. Learn the Drupal APIs and major changes in Drupal 7 Learn how to write Drupal modules using the APIs Learn proper development practices and how to become a contributing community member

Drupal 8 Module Development - Daniel Sipos 2017-10-27

Learn to create and customize impressive Drupal 8 modules to extend your website's functionalities About This Book Unleash the power of Drupal 8 programming by creating efficient modules and extensions Explore a plethora of Drupal 8 APIs and get the best out of them using the power of PHP coding Learn to implement efficient data management and data security by creating dedicated modules for it. Who This Book Is For The primary target of this book is Drupal developers who want to learn how to write modules and carry out development in Drupal 8. It is also intended for Drupal site builders and PHP developers who have basic Object Oriented Programming skills. A little bit of Symfony experience is helpful but not mandatory. What You Will Learn Write a Drupal 8 module with custom functionality and hook into various extension points Master numerous Drupal 8 sub-systems and APIs Model, store, and manipulate data in various ways and for various purposes Display data and content in a presentable and secure way Learn about the theme system and render arrays In Detail Drupal is an open source web-based content management system (CMS) that can be used for building anything from simple websites to complex applications. It enables individuals and organizations to build platforms that engage users and deliver the right content at the right time. Drupal 8 is an exciting new development in the Drupal community. However, the differences from the previous version are substantial and this can put quite some pressure on Drupal 7 developers that need to catch up. This

book aims to help such developers in getting up to speed with Drupal 8 module development. The book first introduces you to the Drupal 8 architecture and its subsystems before diving into creating your first module with basic functionality. Building upon that, you will cover many core APIs and functionalities available to module developers. You will work with the Drupal logging and mailing systems, learn how to output data using the theme layer and work with menus and links programmatically. Then, you will learn how to work with different kinds of data storages, create custom entities, field types and leverage the Database API for lower level database queries. Moreover, you will learn about the Drupal 8 access system and caching layer as well as the APIs used for data processing (queues and batches). You will further see how to introduce javascript into your module, work with the various file systems and ensure the code you write works on multilingual sites. Finally, you will learn how to programmatically work with Views, write automated tests for your functionality and also write secure code in general. By the end of the book, you will have learned how to develop your own custom module from scratch that can help solve a small problem or even provide complex functionality. And who knows, maybe you'll even contribute it back to the Drupal community. Style and approach This book aims to introduce PHP developers to programming concepts specific to Drupal 8 to get them started on writing their own functionality with Drupal 8 and create efficient Drupal 8 modules and extensions.

Building Powerful and Robust Websites with Drupal 6 - David Mercer 2008

Written in the same style as the original Drupal title, this book is a pragmatic look at the steps necessary to get a website up and running. Drawing on years of writing experience, David Mercer utilizes a friendly, engaging style that is both clear and concise perfect for the Drupal newbie. This book is for people with little or no experience in website design, people who are not familiar with PHP, MySQL or HTML, and above all people with little to no experience in using Drupal. Even intermediate Drupal users will find this book of interest although it is

specifically aimed at pushing beginners up the learning curve.

Drupal 6: Ultimate Community Site Guide -

Drupal User's Guide - Emma Jane Hogbin 2011-09-15

Finally, Drupal Made Easy: A Step-By-Step Guide from Planning to Finished Site The open source content management system Drupal offers amazing flexibility, sophistication, and power. The catch? Many first-time users find it difficult to get started, and most Drupal books don't help with the initial stages. Drupal™ User's Guide is different: easy to use, fun to read, practical, and complete! Long-time Drupal site developer Emma Jane Hogbin guides you through every step of building sites with Drupal, from installation and site planning through launching your first site. Drawing on her experience teaching thousands of beginners, she covers both Drupal and Web design tasks, showing exactly how they fit together. Drupal™ User's Guide shows how to use Drupal 7's newest improvements to build more modern, manageable sites for any business or organization. Hogbin covers crucial topics other Drupal books ignore, including search engine optimization and accessibility. Walk through installing Drupal on Mac OS X and Linux Web servers Get comfortable with Drupal 7's new administrative interface Build a basic site in minutes Create S.M.A.R.T. (Specific, Measurable, Attainable, Realistic, Timely) site goals Audit your existing content so you can make the most of it Explore, choose, and customize Drupal themes Walk through building a community site with private discussion area Build a complete business association directory site Use Web forms to capture and display any kind of content Take advantage of Drupal's powerful Views module Choose the right Drupal and third-party modules to build virtually any site Optimize your site for Google and other search engines Use advanced techniques to improve your visitors' experiences If you want to create great sites with Drupal-with no hassle, no confusion, and no degree in computer science-this is the book for you!

Drupal 7 Webform Cookbook - Vernon Denny 2012

With detailed step-by-step instructions and the required screenshots, this Cookbook guides you in learning all that you wanted to know about

Drupal Webform. Written as a guide for internet users and developers alike, the Drupal 7 Webform Cookbook gives you the tools needed to turn your Drupal website into an information-gathering superhighway. Basic knowledge of Drupal is required.

Drupal Development Tricks for Designers - Dani Nordin 2012-03-19 Take your Drupal skills even further with valuable tricks for making site building truly efficient. In this concise guide—the third in a series by award-winning designer Dani Nordin—you'll learn how to set up your own development environment, quickly update your modules, and use version control to protect yourself from bonehead mistakes. Handle repetitive tasks with ease, avoid hours of frustration, and devote more time to pushing the envelope of Drupal design—just by picking up the basics of a few developer tools. It's much more than simple coding; it's real, honest-to-goodness developer Ninja Magick. Learn basic commands and use them in Drupal on the command line Set up your local development environment, and learn ways to collaborate on code with others Download modules, themes, libraries, and more with Drush, the Drupal shell Use Git, the free version control system, and create a GitHub account Pack content types, views, and other functionality you use often into a custom module with Features

JavaScript: The Definitive Guide - David Flanagan 2020-05-14 For web developers and other programmers interested in using JavaScript, this bestselling book provides the most comprehensive JavaScript material on the market. The seventh edition represents a significant update, with new information for ECMAScript 2020, and new chapters on language-specific features. JavaScript: The Definitive Guide is ideal for experienced programmers who want to learn the programming language of the web, and for current JavaScript programmers who want to master it.

Drupal 8 Blueprints - Alex Burrows 2017-09-22

A project-based guide that will show you how to create 7 professional Drupal sites About This Book Create and design your own customized website effortlessly and efficiently This up-to-date guide on Drupal 8 will show you how you can leverage the latest Drupal 8 features This hands-

on guide will turn you into a professional grade Drupal 8 developer through 7 unique and engaging web sites Who This Book Is For This book is ideal for web developers who are looking to create professional web applications using Drupal 8. You should have some previous experience with Drupal and must have a basic knowledge of web application development in general. If you are looking to create fluent professional websites that will take you to the next level, then this book is for you. What You Will Learn Find out how to use the Drupal 8 core functionality to build great websites Discover how to better manage content using custom blocks and views Display content in multiple ways, taking advantage of display modes Using the new TWIG theme engine for Drupal Easily manage and filter content Understanding best practices for building great Drupal sites Move beyond Drupal to build headless websites using RESTful services and JavaScript frameworks In Detail Drupal is an open source content management framework that can be used for developing websites and simplifying online management of content for users. This book is a must-have for web developers who are looking to create professional-grade websites using Drupal 8. While building 7 different Drupal websites, we will focus on implementing the out of the box features that come with Drupal 8 and see how we can make some complex sites with minimal custom code. Focusing completely on Drupal 8, this book will help you leverage the new Drupal 8 features such as creating a different types and layouts of content using configuration to build in core with its built-in web services facilities, and effortless authoring using the new CKEditor with an effortless and efficient industry standard approach. The book starts with getting started with the development environment of Drupal. Each chapter will start with a brief overview of the site to be built and the required features. Then, we will proceed to create customized modules and themes and integrate third-party plugins. Lastly, you will learn about "headless" Drupal that uses RESTful services that would help you to display content outside of Drupal By the end of the book, you will be able to implement the knowledge gained to build your own custom websites using Drupal 8. Style and approach This unique, project-based resource

on Drupal 8 website development will show you how to leverage Drupal 8's features to create customized, professional-grade applications efficiently and effectively.

Drupal - David Mercer 2006

Mastering Drupal 8 - Chaz Chumley 2017-07-27

Mastering Drupal can lead to a mighty website - discover what Drupal 8 can really do with hidden techniques, best practices, and more! About This Book The most up-to-date advanced practical guide on Drupal 8 with an in-depth look at all the advanced new features such as authoring, HTML markup, built-in web services, and more If you are looking to dive deep into Drupal 8 and create industry-standard web apps, then this is the ideal book for you All the code and examples are explained in great detail to help you in the development process Who This Book Is For This book is ideally suited to web developers, designers, and web administrators who want to dive deep into Drupal. Previous experience with Drupal is a must to unleash the full potential of this book. What You Will Learn Discover how to better manage content using custom blocks and views Display content in multiple ways, taking advantage of display modes Create custom modules with YAML and Symfony 2 Easily translate content using the new multilingual capabilities Use RESTful services and JavaScript frameworks to build headless websites Manage Drupal configuration from one server to another easily In Detail Drupal is an open source content management system trusted by governments and organizations around the globe to run their websites. It brings with it extensive content authoring tools, reliable performance, and a proven track record of security. The community of more than 1,000,000 developers, designers, editors, and others have developed and maintained a wealth of modules, themes, and other add-ons to help you build a dynamic web experience. Drupal 8 is the latest release of the Drupal built on the Symfony2 framework. This is the largest change to the Drupal project in its history. The entire API of Drupal has been rebuilt using Symfony and everything from the administrative UI to themes to custom module development has been affected. This book will

cover everything you need to plan and build a complete website using Drupal 8. It will provide a clear and concise walkthrough of the more than 200 new features and improvements introduced in Drupal core. In this book, you will learn advanced site building techniques, create and modify themes using Twig, create custom modules using the new Drupal API, explore the new REST and Multilingual functionality, import, and export Configuration, and learn how to migrate from earlier versions of Drupal. Style and approach This book takes a practical approach with equal emphasis on examples and illustrative screenshots.

[Programmer's Guide to Drupal](#) - Jennifer Hodgdon 2013

"Principles, Practices, and Pitfalls"--Cover.

[Drupal 9 Module Development - Third Edition](#) - Daniel Sipos 2020

Build and extend flexible Drupal sites and applications with this up-to-date, expert guide to Drupal 9 module development Key Features Explore the essential Drupal 9 APIs for module development Learn how to implement data modeling, caching, architecture, and much more in your Drupal applications Discover what's new in the latest Drupal core releases Book Description With its latest release, Drupal 9, the popular open source CMS platform has been updated with new functionalities for building complex Drupal apps with ease. This third edition of the Drupal Module Development guide covers these new Drupal features, helping you to stay on top of code deprecations and the changing architecture with every release. The book starts by introducing you to the Drupal 9 architecture and its subsystems before showing you how to create your first module with basic functionality. You'll explore the Drupal logging and mailing systems, learn how to output data using the theme layer, and work with menus and links programmatically. Once you've understood the different kinds of data storage, this Drupal guide will demonstrate how to create custom entities and field types and leverage the Database API for lower-level database queries. You'll also learn how to introduce JavaScript into your module, work with various file systems, and ensure that your code works on multilingual sites. Finally, you'll work with Views, create automated tests for your functionality, and write secure code. By the end of the book, you'll have learned how to develop custom

modules that can provide solutions to complex business problems, and who knows, maybe you'll even contribute to the Drupal community! What you will learn Develop custom Drupal 9 modules for your applications Master different Drupal 9 subsystems and APIs Model, store, manipulate, and process data for effective data management Display data and content in a clean and secure way using the theme system Test your business logic to prevent regression Stay ahead of the curve and write PHP code by implementing best practices Who this book is for If you are a Drupal developer looking to learn Drupal 9 to write modules for your sites, this book is for you. Drupal site builders and PHP developers with basic object-oriented programming skills will also find this book helpful. Although not necessary, some Symfony experience will help with understanding concepts easily.

[Drupal 9 Module Development - Third Edition](#) - Daniel Sipos 2020-07

Build and extend flexible Drupal sites and applications with this up-to-date, expert guide to Drupal 9 module development Key Features Explore the essential Drupal 9 APIs for module development Learn how to implement data modeling, caching, architecture, and much more in your Drupal applications Discover what's new in the latest Drupal core releases Book Description With its latest release, Drupal 9, the popular open source CMS platform has been updated with new functionalities for building complex Drupal apps with ease. This third edition of the Drupal Module Development guide covers these new Drupal features, helping you to stay on top of code deprecations and the changing architecture with every release. The book starts by introducing you to the Drupal 9 architecture and its subsystems before showing you how to create your first module with basic functionality. You'll explore the Drupal logging and mailing systems, learn how to output data using the theme layer, and work with menus and links programmatically. Once you've understood the different kinds of data storage, this Drupal guide will demonstrate how to create custom entities and field types and leverage the Database API for lower-level database queries. You'll also learn how to introduce JavaScript into your module, work with various file systems, and ensure that your code works on multilingual sites. Finally, you'll work with

Views, create automated tests for your functionality, and write secure code. By the end of the book, you'll have learned how to develop custom modules that can provide solutions to complex business problems, and who knows, maybe you'll even contribute to the Drupal community! What you will learn Develop custom Drupal 9 modules for your applications Master different Drupal 9 subsystems and APIs Model, store, manipulate, and process data for effective data management Display data and content in a clean and secure way using the theme system Test your business logic to prevent regression Stay ahead of the curve and write PHP code by implementing best practices Who this book is for If you are a Drupal developer looking to learn Drupal 9 to write modules for your sites, this book is for you. Drupal site builders and PHP developers with basic object-oriented programming skills will also find this book helpful. Although not necessary, some Symfony experience will help with understanding concepts easily.

Using Drupal - Angela Byron 2012-04-10

Take advantage of Drupal's vast collection of community-contributed modules and discover how they make this web framework unique and valuable. With this guide, you'll learn how to combine modules in interesting ways (with minimal code-wrangling) to develop several community-driven websites— including a job posting board, photo gallery, online store, product review database, and event calendar. The second edition focuses on Drupal 7, the latest version of this open source system. Each project spans an entire chapter, with step-by-step "recipes" to help you build out the precise functionality the site requires. With this book, developers new to Drupal will gain experience through a hands-on introduction, and experienced Drupal developers will learn real-world best practices. Learn Drupal's concepts and building blocks, and how everything works together Hit the ground running—build your first

Drupal site hands-on Explore solutions that meet each project's requirements, and discover why specific modules were selected Understand the projects through case studies, including the client's needs and desires Learn how to configure modules with a bird's-eye view of how they work Discover new modules, including Drupal Commerce, Media, and Workbench

Pro Drupal 7 for Windows Developers - Brian Travis 2011-02-07
Drupal 7 opens the door for you as a Windows developer to build Drupal sites—including custom modules—all without leaving Visual Studio! Pro Drupal 7 for Windows Developers gives you everything you need to know to achieve this, whilst drilling down into the advanced topics that you'll want to master whilst working with Drupal 7 as a Windows developer. Pro Drupal 7 for Windows Developers starts with the Drupal page model, which Windows programmers can contrast against the ASP.NET page model. You will then explore the various features of Drupal, including the hook model, theming, roles, and caching. You'll also discover the data abstraction layer which lays the foundation for integration with your enterprise-level databases and external systems. Pro Drupal 7 for Windows Developers focuses on the important topics for the programmer coming to Drupal: An up-to-speed introduction to Drupal for developers so that they can get past the initial learning curve most efficiently. Key introductions to the important features of Drupal, including the page model, the hook architecture, the theming layer, and custom module development. How to work with the Drupal 7 features you want to work with within the Windows development environment. Step-by-step tutorials on building, testing, and deploying custom modules for internal use or for sharing with the Drupal community. Pro Drupal 7 for Windows Developers provides a bridge to Drupal for you as a Windows developer—by speaking your language!