Drupal Module Development

Daniel Sipos

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Learning Drupal 6 Module Development Matt Butcher,2008 With great power comes tremendous flexibility Drupal is an award winning open source Content Management System and the feature packed sixth release is right around the corner It s a modular system with an elegant hook based architecture and great code These are a few of the perks that make Drupal a choice platform for developers who want the power of an established CMS but the freedom to make it work for them From social networking to AJAX to e commerce the hundreds of existing modules attest to Drupal s flexibility When you create a new module for Drupal it fits seamlessly into the look and feel of your overall site If you can think it in PHP you can code it as a Drupal module   Drupal 8 Module Development Daniel Sipos,2019-03-28 Learn to create and customize impressive Drupal 8 modules to extend your website s functionalities Key FeaturesExplore a plethora of Drupal 8 APIs and get the best out of them using the power of PHP codingLearn to implement efficient data management and data security by creating dedicated modules for it Stay up to date with the changes introduced in the new Drupal 8 releasesBook Description 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 The book will first introduce you to the Drupal 8 architecture and its subsystems before diving into creating your first module with basic functionality 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 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 you will have learned how to develop your own custom module that can provide complex business solutions And who knows maybe you ll even contribute it back to the Drupal community Foreword by Dries Buytaert founder of Drupal What you will learnDevelop Drupal 8 modules that do all the things you wantMaster numerous Drupal 8 sub systems and APIs in the process Model store manipulate and process data to serve your purposesDisplay data and content in a clean and secure way using the Drupal 8 theme systemTest your business logic to prevent regressionsStay ahead of the curve and write code following the current best practicesWho this book is for The primary target of this book is Drupal developers who want to learn how to write modules and develop 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   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 FeaturesExplore the essential Drupal 9 APIs for module

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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 Module Development** Trevor James,2013 This course is perfect for any Drupal user who is just starting to explore Drupal core and contributed modules If you ve used some contributed modules you can now turn to learning how to write your own custom Drupal 7 module You should have a familiarity with Drupal but no experience with programming Drupal custom modules or PHP is required to follow this course Packt video courses are designed to cover the breadth of the topic in short hands on task based videos Each course is divided into short manageable sections so you can watch the whole thing or jump to the bit you need The focus is on practical instructions and screencasts showing you how to get the job done All videos include hands on practical examples to follow along with This course is geared towards beginners in Drupal development and anyone who wants to learn to use Drupal code Resource description page *Drupal 10 Module Development* Daniel Sipos,2023-04-21 Build and customize powerful Drupal modules to extend your website s functionalities with this comprehensive guide Purchase of the print or Kindle book includes a free PDF eBook Key Features Explore the new features and improved capabilities of Drupal 10 core Discover Drupal APIs and elevate your proficiency by leveraging PHP coding Implement efficient data management and data security by creating dedicated modules Book Description Embark on a journey of Drupal module development with the latest edition of this must have guide written by Daniel Sipos a Drupal community member This fourth edition is meticulously revised to cover the latest Drupal 10 enhancements that will help you build custom Drupal modules with an understanding of code deprecations changing architecture data modeling multilingual ecosystem and so on You ll begin with understanding the core components of Drupal 10 architecture discovering its subsystems and unlocking the secrets of creating your first Drupal module Further you ll delve into Drupal logging and mailing systems creating theme hooks and rendering a layout As you progress you ll work with different types of data storage custom entities field types and work with Database APIs for lower level database queries You ll learn to reap the power of JavaScript and ensure that your code works seamlessly on multilingual sites You ll also learn to create custom views automate tests for your functionalities and write secure code for your Drupal apps By the end of this book you ll have gained confidence in developing complex

modules that can solve even the most complex business problems and might even become a valuable contributor to the Drupal community What you will learn Gain insight into the Drupal 10 architecture for developing advanced modules Master different Drupal 10 subsystems and APIs Optimize data management by modeling storing manipulating and processing data efficiently Present data and content cleanly and securely using the theme system Understand helpful functions while dealing with managed and unmanaged files Ensure your Drupal app has business logic integrity with automated testing Implement secure coding in Drupal Who this book is for If you are a Drupal developer looking to create custom modules for Drupal sites and cater business needs this book is the one stop solution for you Drupal 10 Module Development will be helpful for Drupal site builders and PHP developers with basic object oriented programming skills looking to upskill themselves in Drupal module development A basic working experience with Symfony will be helpful but not mandatory *Drupal 7 Module Development* Matt Butcher,Larry Garfield,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 Drupal 9 Module Development - Third Edition Daniel Sipos,Antonio De Marco,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 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   *Learning Drupal 6 Module Development* Matt Butcher,2008-05-08 A practical tutorial for creating your first Drupal 6 modules with PHP   *Drupal 8 Module Development - Second Edition* Daniel Sipos,2019 Learn to create and customize impressive Drupal 8 modules to extend your website s functionalities Key Features 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 Stay up to date with the changes introduced in the new Drupal 8 releases Book Description 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 The book will first introduce you to the Drupal 8 architecture and its subsystems before diving into creating your first module with basic functionality 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 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 you will have learned how to develop your own custom module that can provide complex business solutions And who knows maybe you ll even contribute it back to the Drupal community What you will learn Develop Drupal 8 modules that do all the things you want Master numerous Drupal 8 sub systems and APIs in the process Model store manipulate and process data to serve your purposes Display data and content in a clean and secure way using the Drupal 8 theme system Test your business logic to prevent regressions Stay ahead of the curve and write code following the current best practices Who this book is for The primary target of this book is Drupal developers who want to learn how to write modules and develop 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 Downloading the example code for this book You circa   **Beginning Drupal** Jacob Redding,2010-04-20 A thorough

introduction that lessens the learning curve to building sites with Drupal 7 Drupal 7 is the latest version of the free open source content management system Drupal A powerful content management system and framework Drupal has an unfortunate reputation of having a steep learning curve This guide to Drupal 7 methodically demystifies Drupal and shortening the learning curve Author Jacob Redding is deeply embedded in the Drupal community and walks first time Drupal developers through the installation and configuration of a Drupal system In depth information on key areas of Drupal explore the Drupal hook system Drupal s theming layer and Drupal s API You ll also get sample code and lessons that guide you through various aspects of Drupal Introduces you to every aspect of Drupal 7 Demystifies key areas of Drupal and shortens the learning curve for even the most novice beginner Features lessons and sample code that offer extra insight into a Drupal web site Exploring simple single website installations and more advanced multiple site installations that share users and or content Addresses how to use Drupal s theming layer to your advantage With this comprehensive and clear book by your side you will quickly learn to leverage Drupal s impressive power **Drupal 9 Module Development** Daniel Sipos,2020 **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 *Medical Librarian 2.0* M. Sandra Wood,2018-10-24 Widespread use and acceptance of the World Wide Web in the home and office has eclipsed many other technological advances Next generation applications like wikis podcasting streaming video virtual reference RSS feeds and blogs sit on the cutting edge of changes

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