

# Django Javascript Integration Ajax And JQuery

JavaScript Unit Testing Beginning Ajax Web Development with Node and Express Professional Python Frameworks Web Development with Django Cookbook Developing Responsive Web Applications with AJAX and jQuery Test-Driven Development with Python Flask Web Development Learning Django Web Development Pro PHP and jQuery Web Scraping with Python Django 2 by Example Node.js in Action Introduction to Web Mapping PHP Ajax Cookbook Two Scoops of Django Micro Frontends in Action Mastering Ember.js Splunk Developer's Guide Django 3 Web Development Cookbook Beginning JavaScript with DOM Scripting and Ajax Django 2 Web Development Cookbook Ajax Design Patterns Django 3 By Example Django 1.2 E-Commerce Lightweight Django Professional jQuery Beginning Django E-Commerce Practical Django 2 and Channels 2 Learning JavaScript MVC Mastering Django: Core Node.js 6.x Blueprints Django Javascript Integration Moodle JavaScript Cookbook Learning JavaScript Design Patterns Beginning Django Python Web Development with Django Ajax Test-driven Development Java EE Development with Eclipse

## JavaScript Unit Testing

As two of the leading MVC web frameworks for Python, Django and TurboGears allow you to develop and launch sites in a fraction of the time compared to traditional techniques and they provide greater stability, scalability, and management than alternatives. Packed with examples, this book will help you discover a new methodology for designing, coding, testing, and deploying rich web applications. A team of expert authors shows you the power of MVC frameworks and the capabilities of the TurboGears and Django packages. The Django chapters show you how to automate production of common web development tasks, portal creation, and content management, so you can focus on higher-level application issues and design. The TurboGears chapters illustrate how to rapidly create modern, highly interactive Web 2.0 applications. For both frameworks, you'll create useful applications that exemplify common Web 2.0 design paradigms and their solutions. Ultimately, you'll leverage your Python skills using Django and TurboGears and go from novice to RIA expert. What you will learn from this book \*

- How you can use frameworks to save you time and frustration in the development cycle
- The elements, differences, and similarities of the TurboGears and Django frameworks
- Advanced capabilities of both frameworks and how they easily solve issues common to web applications
- Approaches to simplifying your client side JavaScript(r) with MochiKit, a Pythonic JavaScript library
- How to pair TurboGears with Flash for even more possibilities

Who this book is for This book is for Python developers who want to learn rapid Web 2.0 development techniques using frameworks and incorporating a model-view-controller architecture. Wrox Professional guides are planned and written by working programmers to meet the real-world needs of programmers, developers, and IT professionals. Focused and relevant, they address the issues technology professionals face every day. They provide examples, practical solutions, and expert education in new technologies, all designed to help programmers do a better job.

## Beginning Ajax

Beginning Django E-Commerce guides you through producing an e-commerce site using Django, the most popular Python web development framework. Topics covered include how to make a shopping cart, a checkout, and a payment processor; how to make the most of Ajax; and search engine optimization best practices. Throughout the book, you'll take each topic and apply it to build a single example site, and all the while you'll learn the theory behind what you're architecting. Build a fully functional e-commerce site. Learn to architect your site properly to survive in an increasingly competitive online landscape with good search engine optimization techniques. Become versed in the Django web framework and learn how you can put it to use to drastically reduce the amount of work you need to do to get a site up and running quickly.

### **Web Development with Node and Express**

Take full creative control of your web applications with Flask, the Python-based microframework. With the second edition of this hands-on book, you'll learn the framework from the ground up by developing, step-by-step, a real-world project created by author Miguel Grinberg. This refreshed edition accounts for important technology changes that have occurred in the past three years. You'll learn the framework's core functionality, as well as how to extend applications with advanced web techniques such as database migration and web service communication. The first part of each chapter provides you with reference and background for the topic in question, while the second part guides you through a hands-on implementation of the topic. If you have Python experience, this book shows you how to take advantage of the creative freedom Flask provides.

### **Professional Python Frameworks**

Annotation Ajax is the necessary paradigm in Web 2.0 sites. Most of the Web 2.0 sites are built with PHP and Ajax. Extending AJAX is about delivering front-end service for accessing back-end services in PHP in a quick and easy manner. With this book in hand, you will learn how to use the necessary tools for Ajaxification of websites and iPhones. PHP AJAX cookbook will teach you how to use the combination of PHP AJAX as a powerful platform for websites or web applications. Using AJAX for Communication with Server leads to faster response with PHP at the back-end services. The combination of AJAX PHP has many features such as speeding up the user experience, giving your web client much quicker response time and letting the client browser retrieve data from the server without having to refresh the whole page. You will learn the nuances of optimization and debugging Ajax applications. Further, you will learn how to program Ajax on iPhone devices. This book will teach you popular selector-based JavaScript followed by important concepts on debugging, optimization and best practices. There is a collection of recipes focused on creating basic utilities such as validating form using Ajax and creating a five star rating system. As jQuery is quite popular, useful tools and jQuery plugins like Ajax tooltips, tab navigation, autocomplete, shopping cart, and Ajax chat are covered subsequently. By the end of chapter 7 you will learn to visually speed up website responsiveness to building SEO-friendly Ajax websites. Also get to know about all popular Ajax webservices and APIs like Twitter, Facebook and Google Maps which are covered in Ajax Mashups. Finally, step-by-

step recipes are presented to build iPhone apps using basic libraries and everyday useful Ajax tools. Build rich interactive web 2.0 sites with rich standards and Mashups around PHP Ajax.

### **Web Development with Django Cookbook**

Delivers absolutely everything you will ever need to know to become a master Django programmer About This Book Gain a complete understanding of Django—the most popular, Python-based web framework in the world Gain the skills to successfully designing, developing, and deploying your app This book is packaged with fully described code so you can learn the fundamentals and the advanced topics to get a complete understanding of all of Django's core functions Who This Book Is For This book assumes you have a basic understanding of the Internet and programming. Experience with Python or Django would be an advantage, but is not necessary. It is ideal for beginner to intermediate programmers looking for a fast, secure, scalable, and maintainable alternative web development platform to those based on PHP, Java, and dotNET. What You Will Learn Use Django to access user-submitted form data, validate it, and work with it Get to know advanced URLconf tips and tricks Extend Django's template system with custom code Define models and use the database API to create, retrieve, update, and delete records Fully extend and customize the default implementation as per your project's needs Test and deploy your Django application Get to know more about Django's session, cache Framework, and middleware In Detail Mastering Django: Core is a completely revised and updated version of the original Django Book, written by Adrian Holovaty and Jacob Kaplan-Moss - the creators of Django. The main goal of this book is to make you a Django expert. By reading this book, you'll learn the skills needed to develop powerful websites quickly, with code that is clean and easy to maintain. This book is also a programmer's manual that provides complete coverage of the current Long Term Support (LTS) version of Django. For developers creating applications for commercial and business critical deployments, Mastering Django: Core provides a complete, up-to-date resource for Django 1.8LTS with a stable code-base, security fixes and support out to 2018. Style and approach This comprehensive step-by-step practical guide offers a thorough understanding of all the web development concepts related to Django. In addition to explaining the features of Django, this book provides real-world experience on how these features fit together to build extraordinary apps.

### **Developing Responsive Web Applications with AJAX and jQuery**

jQuery is one of the hottest emerging web development technologies. Fully supported by Microsoft, Google, and a who's who list of companies and platforms, it simplifies the development of standards-based interactive websites. This book provides a complete, in- depth look at jQuery and related technologies, providing you with a single source of all the information you need to maximize your web development skills. As the book progresses, it delves deeper into other topics, providing lessons and examples to accomplish tasks common to both basic and advanced web development techniques.

### **Test-Driven Development with Python**

Create stunning web applications and Restful APIs from start to finish with Express, Loopback, MongoDB, and MySQL using this definitive guide About This Book Create stunning applications with Node.js from scratch, no matter the goal Discover a wide variety of applications you can effectively integrate third-party libraries and other front-end frameworks with Node.js Leverage all the new features introduced in Node.js 6.X Who This Book Is For This book caters to developers who are looking to build projects right from a simple website to more complex one such as a blog, chat application, a photography site, and a lot more. A Basic knowledge of JavaScript and Node.js would be extremely beneficial. What You Will Learn Explore MVC design pattern in Node.js Build solid architectures by following test-driven development Look beyond web applications and create your own desktop app with Node.js Develop single page applications using Node.js with the RESTful APIs, MongoDB, and ORM Master the Express framework and build a complete application with a real database Create a real-time and fully functional online chat application with Socket.IO In Detail Node.js is the most popular framework to create server-side applications today. Be it web, desktop, or mobile, Node.js comes to your rescue to create stunning real-time applications. Node.js 6.x Blueprints will teach you to build these types of projects in an easy-to-understand manner. The key to any Node.js project is a strong foundation on the concepts that will be a part of every project. The book will first teach you the MVC design pattern while developing a Twitter-like application using Express.js. In the next chapters, you will learn to create a website and applications such as streaming, photography, and a store locator using MongoDB, MySQL, and Firebase. Once you're warmed up, we'll move on to more complex projects such as a consumer feedback app, a real-time chat app, and a blog using Node.js with frameworks such as loopback.io and socket.io. Finally, we'll explore front-end build processes, Docker, and continuous delivery. By the end of book, you will be comfortable working with Node.js applications and will know the best tools and frameworks to build highly scalable desktop and cloud applications. Style and approach This is an easy-to-follow guide full of practical examples. This book takes a project-based approach and each chapter contains step-by-step instructions to create stunning applications across different application domains from scratch.

## Flask Web Development

Learn how to rapidly build your own ecommerce site by applying Django's battle-tested components. This book demonstrates Django's features and conventions to help you develop modern web applications quickly. You'll adopt a "learn by doing" approach and gain a deeper understanding Django by working through a project in which the real-time component will be critical. The book starts with the basics and explains the difference between a Django project and a Django app, the most important settings, how to change them, and the fundamentals of packaging. You'll then be introduced to all the standard tools of Django, along with a sample project. The book then moves on to Channels, a recent addition to the Django ecosystem. It extends the framework with support for real-time operations such as Websockets and other asynchronous features. Practical Django 2 and Channels 2 provides the practical concepts needed to create complex, database-driven websites as easily as possible. What You'll Learn Build and deploy a simple company site with Django Develop more complex, data-heavy sites using the Django ORM Integrate Django with Channels Unit-test your solutions Who This Book Is For Python developers and

web developers wanting to learn Django 2 and Channels 2

### **Learning Django Web Development**

Using proven examples and explaining concepts step by step, this book shows you how building Ajax-enabled sites and applications allows more interactive user interfaces than ever before. You'll learn about the differences in capabilities between client-side and server-side development techniques, as well as how Ajax crosses this boundary. You'll also discover how Ajax techniques can be summed up by patterns (which are development models that you'll use repeatedly). With a mastery of these techniques, you'll be able to breathe new life into your Web sites.

### **Pro PHP and jQuery**

By taking you through the development of a real web application from beginning to end, the second edition of this hands-on guide demonstrates the practical advantages of test-driven development (TDD) with Python. You'll learn how to write and run tests before building each part of your app, and then develop the minimum amount of code required to pass those tests. The result? Clean code that works. In the process, you'll learn the basics of Django, Selenium, Git, jQuery, and Mock, along with current web development techniques. If you're ready to take your Python skills to the next level, this book—updated for Python 3.6—clearly demonstrates how TDD encourages simple designs and inspires confidence. Dive into the TDD workflow, including the unit test/code cycle and refactoring Use unit tests for classes and functions, and functional tests for user interactions within the browser Learn when and how to use mock objects, and the pros and cons of isolated vs. integrated tests Test and automate your deployments with a staging server Apply tests to the third-party plugins you integrate into your site Run tests automatically by using a Continuous Integration environment Use TDD to build a REST API with a front-end Ajax interface

### **Web Scraping with Python**

Using the simple, robust, Python-based Django framework, you can build powerful Web solutions with remarkably few lines of code. In Python Web Development with Django®, three experienced Django and Python developers cover all the techniques, tools, and concepts you need to make the most of Django 1.0, including all the major features of the new release. The authors teach Django through in-depth explanations, plus provide extensive sample code supported with images and line-by-line explanations. You'll discover how Django leverages Python's development speed and flexibility to help you solve a wide spectrum of Web development problems and learn Django best practices covered nowhere else. You'll build your first Django application in just minutes and deepen your real-world skills through start-to-finish application projects including Simple Web log (blog) Online photo gallery Simple content management system Ajax-powered live blogger Online source code sharing/syntax highlighting tool How to run your Django applications on the Google App Engine This complete guide starts by introducing Python, Django, and Web development concepts, then dives into the Django framework, providing a deep understanding of its major components

(models, views, templates), and how they come together to form complete Web applications. After a discussion of four independent working Django applications, coverage turns to advanced topics, such as caching, extending the template system, syndication, admin customization, and testing. Valuable reference appendices cover using the command-line, installing and configuring Django, development tools, exploring existing Django applications, the Google App Engine, and how to get more involved with the Django community. Introduction 1 Part I: Getting Started Chapter 1: Practical Python for Django 7 Chapter 2: Django for the Impatient: Building a Blog 57 Chapter 3: Starting Out 77 Part II: Django in Depth Chapter 4: Defining and Using Models 89 Chapter 5: URLs, HTTP Mechanisms, and Views 117 Chapter 6: Templates and Form Processing 135 Part III: Django Applications by Example Chapter 7: Photo Gallery 159 Chapter 8: Content Management System 181 Chapter 9: Liveblog 205 Chapter 10: Pastebin 221 Part IV: Advanced Django Techniques and Features Chapter 11: Advanced Django Programming 235 Chapter 12: Advanced Django Deployment 261 Part V: Appendices Appendix A: Command Line Basics 285 Appendix B: Installing and Running Django 295 Appendix C: Tools for Practical Django Development 313 Appendix D: Finding, Evaluating, and Using Django Applications 321 Appendix E: Django on the Google App Engine 325 Appendix F: Getting Involved in the Django Project 337 Index 339 Colophon 375

### **Django 2 by Example**

Take advantage of the improved performance and reduced memory requirements of PHP version 7, and learn to utilize the new built-in PHP functions and features such as typed variable enforcement with `declare(strict_types=1)` and the new available data types, scalar type declarations for function arguments and return statements, constant arrays using `define()`, argument unpacking with the operator, integer division with `intdiv()`, the null coalesce operator, the spaceship operator, new exception types, and improvements to existing features. Pro PHP and jQuery, Second Edition is for intermediate level programmers interested in building web applications using jQuery and PHP. Updated for PHP version 7 and the latest version of jQuery, this book teaches some advanced PHP techniques and it shows you how to take your dynamic applications to the next level by adding a JavaScript layer using the jQuery framework and APIs. After reading and using this book, you'll come away having built a fully functional PHP and jQuery web application that you can reapply as a template for your own particular web application. Pro PHP and jQuery, Second Edition is for intermediate level programmers interested in building web applications using jQuery and PHP. Updated for PHP version 7 and the latest version of jQuery, this book teaches some advanced PHP techniques and it shows you how to take your dynamic applications to the next level by adding a JavaScript layer using the jQuery framework and APIs, considered the most popular JavaScript libraries. After reading and using this book, you'll come away understanding a fully functional PHP using jQuery web application case study that you can reapply as a template for your own particular web application. Moreover, from PHP 7, you'll get uniform variable syntax, the AST-based compilation process, the added `Closure::call()`, bitwise shift consistency across platforms, the (null coalesce) operator, Unicode codepoint escape syntax, return type declarations, and new and easier extensions development with support for redis, MongoDB and much more.

## **Node.js in Action**

Learn web scraping and crawling techniques to access unlimited data from any web source in any format. With this practical guide, you'll learn how to use Python scripts and web APIs to gather and process data from thousands—or even millions—of web pages at once. Ideal for programmers, security professionals, and web administrators familiar with Python, this book not only teaches basic web scraping mechanics, but also delves into more advanced topics, such as analyzing raw data or using scrapers for frontend website testing. Code samples are available to help you understand the concepts in practice. Learn how to parse complicated HTML pages Traverse multiple pages and sites Get a general overview of APIs and how they work Learn several methods for storing the data you scrape Download, read, and extract data from documents Use tools and techniques to clean badly formatted data Read and write natural languages Crawl through forms and logins Understand how to scrape JavaScript Learn image processing and text recognition

## **Introduction to Web Mapping**

Django, written in Python, is a web application framework designed to build complex web applications quickly without any hassle. It loosely follows the MVC pattern and adheres to the Don't Repeat Yourself principle, which makes a database-driven application efficient and highly scalable, and is by far the most popular and mature Python web framework. This book is a manual that will help you build a simple yet effective Django web application. It starts by introducing Django, setting it up, and shows you how to code simple programs. You will then learn to build your first Twitter-like app. Later on, you will be introduced to Hashtags, AJAX to enhance the user interface, and tweets. You will then move on to create an administration interface, learn database connectivity, and use third-party libraries. Then you will learn to debug and deploy Django projects, and also get a glimpse of Django with AngularJS and Elasticsearch. By the end of the book, you will be able to leverage the Django framework to develop a fully functional web application with minimal effort.

## **PHP Ajax Cookbook**

Over 50 recipes for making your Moodle system more dynamic and responsive with JavaScript.

## **Two Scoops of Django**

How can you take advantage of the Django framework to integrate complex client-side interactions and real-time features into your web applications? Through a series of rapid application development projects, this hands-on book shows experienced Django developers how to include REST APIs, WebSockets, and client-side MVC frameworks such as Backbone.js into new or existing projects. Learn how to make the most of Django's decoupled design by choosing the components you need to build the lightweight applications you want. Once you finish this book, you'll know how to build single-page applications that respond to interactions in

real time. If you're familiar with Python and JavaScript, you're good to go. Learn a lightweight approach for starting a new Django project Break reusable applications into smaller services that communicate with one another Create a static, rapid prototyping site as a scaffold for websites and applications Build a REST API with django-rest-framework Learn how to use Django with the Backbone.js MVC framework Create a single-page web application on top of your REST API Integrate real-time features with WebSockets and the Tornado networking library Use the book's code-driven examples in your own projects

### **Micro Frontends in Action**

Develop AJAX applications using Django and jQuery.

### **Mastering Ember.js**

Learn how to build dynamic web applications with Express, a key component of the Node/JavaScript development stack. In this hands-on guide, author Ethan Brown teaches you the fundamentals through the development of a fictional application that exposes a public website and a RESTful API. You'll also learn web architecture best practices to help you build single-page, multi-page, and hybrid web apps with Express. Express strikes a balance between a robust framework and no framework at all, allowing you a free hand in your architecture choices. With this book, frontend and backend engineers familiar with JavaScript will discover new ways of looking at web development. Create webpage templating system for rendering dynamic data Dive into request and response objects, middleware, and URL routing Simulate a production environment for testing and development Focus on persistence with document databases, particularly MongoDB Make your resources available to other programs with RESTful APIs Build secure apps with authentication, authorization, and HTTPS Integrate with social media, geolocation, and other third-party services Implement a plan for launching and maintaining your app Learn critical debugging skills This book covers Express 4.0.

### **Splunk Developer's Guide**

Packed with code examples and configuration hints for related web technologies, the book helps you add a new feature to your store in each chapter. It also provides additional documentation and comments for popular web APIs. If you are a Django developer and wish to build an e-commerce application, then this book is for you. You need to be familiar with the basics of developing in Django.

### **Django 3 Web Development Cookbook**

Provides information on the basics of Ajax to create Web applications that function like desktop programs.

### **Beginning JavaScript with DOM Scripting and Ajax**

Learn Django 3 with four end-to-end web projects Key Features Learn Django 3 by building real-world web applications from scratch in Python, using coding best

practices Integrate other technologies into your application with clear, step-by-step explanations and comprehensive example code Implement advanced functionalities like a full-text search engine, a user activity stream, or a recommendation engine Add real-time features with Django Channels and WebSockets Book Description If you want to learn the entire process of developing professional web applications with Python and Django, then this book is for you. In the process of building four professional Django projects, you will learn about Django 3 features, how to solve common web development problems, how to implement best practices, and how to successfully deploy your applications. In this book, you will build a blog application, a social image bookmarking website, an online shop, and an e-learning platform. Step-by-step guidance will teach you how to integrate popular technologies, enhance your applications with AJAX, create RESTful APIs, and set up a production environment for your Django projects. By the end of this book, you will have mastered Django 3 by building advanced web applications. What you will learn Build real-world web applications Learn Django essentials, including models, views, ORM, templates, URLs, forms, and authentication Implement advanced features such as custom model fields, custom template tags, cache, middleware, localization, and more Create complex functionalities, such as AJAX interactions, social authentication, a full-text search engine, a payment system, a CMS, a RESTful API, and more Integrate other technologies, including Redis, Celery, RabbitMQ, PostgreSQL, and Channels, into your projects Deploy Django projects in production using NGINX, uWSGI, and Daphne Who this book is for This book is intended for developers with Python knowledge who wish to learn Django in a pragmatic way. Perhaps you are completely new to Django, or you already know a little but you want to get the most out of it. This book will help you to master the most relevant areas of the framework by building practical projects from scratch. You need to have familiarity with programming concepts in order to read this book. Some previous knowledge of HTML and JavaScript is assumed.

## Django 2 Web Development Cookbook

Ajax, or Asynchronous JavaScript and XML, exploded onto the scene in the spring of 2005 and remains the hottest story among web developers. With its rich combination of technologies, Ajax provides a strong foundation for creating interactive web applications with XML or JSON-based web services by using JavaScript in the browser to process the web server response. Ajax Design Patterns shows you best practices that can dramatically improve your web development projects. It investigates how others have successfully dealt with conflicting design principles in the past and then relays that information directly to you. The patterns outlined in the book fall into four categories: Foundational technology: Examines the raw technologies required for Ajax development Programming: Exposes techniques that developers have discovered to ensure their Ajax applications are maintainable Functionality and usability: Describes the types of user interfaces you'll come across in Ajax applications, as well as the new types of functionality that Ajax makes possible Development: Explains the process being used to monitor, debug, and test Ajax applications Ajax Design Patterns will also get you up to speed with core Ajax technologies, such as XMLHttpRequest, the DOM, and JSON. Technical discussions are followed by code examples so you can see for yourself just what is-and isn't-possible with Ajax. This handy reference will help you

to produce high-quality Ajax architectures, streamline web application performance, and improve the user experience. Michael Mahemoff holds a PhD in Computer Science and Software Engineering from the University of Melbourne, where his thesis was "Design Reuse in Software Engineering and Human-Computer Interaction." He lives in London and consults on software development issues in banking, health care, and logistics. "Michael Mahemoff's Ajax Design Patterns is a truly comprehensive compendium of web application design expertise, centered around but not limited to Ajax techniques. Polished nuggets of design wisdom are supported by tutorials and real-world code examples resulting in a book that serves not only as an intermediate to expert handbook but also as an extensive reference for building rich interactive web applications." --Brent Ashley, remote scripting pioneer

### **Ajax Design Patterns**

Beginning JavaScript with DOM Scripting and Ajax is an essential resource for modern JavaScript programming. This completely updated second edition covers everything you need to know to get up-to-speed with JavaScript development and add dynamic enhancements to web pages, right from the basics. As well as focusing on client-side JavaScript, you will also learn how to work with the Browser Object Model, the Document Object Model (DOM), how to use XML and JSON as well as communicate with service side scripts such as PHP. Find out how to: Construct good JavaScript syntax following modern coding practices Use JavaScript to communicate with the server and retrieve data Dynamically manipulate markup, validate forms and deal with images Debug applications using features inside the browser JavaScript is one of the most important technologies on the web. It provides the means to add dynamic functionality to your web pages and serves as the backbone of Ajax-style web development. Beginning JavaScript with DOM Scripting and Ajax will take you from being a JavaScript novice to work freely with this important technology - begin your JavaScript journey today!

### **Django 3 By Example**

Browser-based software can quickly become complex and difficult to maintain, especially when it's implemented as a large single-page application. By adopting the micro frontends approach and designing your web apps as systems of features, you can deliver faster feature development, easier upgrades, and pick and choose the technology you use in your stack. Micro Frontends in Action is your guide to simplifying unwieldy frontends by composing them from small, well-defined units. Summary Browser-based software can quickly become complex and difficult to maintain, especially when it's implemented as a large single-page application. By adopting the micro frontends approach and designing your web apps as systems of features, you can deliver faster feature development, easier upgrades, and pick and choose the technology you use in your stack. Micro Frontends in Action is your guide to simplifying unwieldy frontends by composing them from small, well-defined units. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology Micro frontends deliver the same flexibility and maintainability to browser-based applications that microservices provide for backend systems. You design your project as a set of standalone components that include their own interfaces, logic, and storage. Then

you develop these mini-applications independently and compose them in the browser. About the Book Micro Frontends in Action teaches you to apply the microservices approach to the frontend. You'll start with the core micro frontend design ideas. Then, you'll build an e-commerce application, working through practical issues like server-side and client-side composition, routing, and maintaining a consistent look and feel. Finally, you'll explore team workflow patterns that maximize the benefit of developing application components independently. What's Inside - Create a unified frontend from independent applications - Combine JavaScript code from multiple frameworks - Browser and server-side composition and routing - Implement effective dev teams and project workflow About the Reader For web developers, software architects, and team leaders. About the Author Michael Geers is a software developer specializing in building user interfaces. Table of Contents PART 1 - GETTING STARTED WITH MICRO FRONTENDS 1 What are micro frontends? 2 My first micro frontends project PART 2 - ROUTING, COMPOSITION, AND COMMUNICATION 3 Composition with Ajax and server-side routing 4 Server-side composition 5 Client-side composition 6 Communication patterns 7 Client-side routing and the application shell 8 Composition and universal rendering 9 Which architecture fits my project? PART 3 - HOW TO BE FAST, CONSISTENT, AND EFFECTIVE 10 Asset loading 11 Performance is key 12 User interface and design system 13 Teams and boundaries 14 Migration, local development, and testing

### **Django 1.2 E-Commerce**

If you are a web developer with basic knowledge of Ember.js, this is the book for you. Working knowledge of HTML, CSS, and JavaScript is assumed.

### **Lightweight Django**

"Two scoops of Django introduces you to various tips, tricks, patterns, code snippets, and techniques . . ."--Page 4 of cover.

### **Professional jQuery**

Learning JavaScriptMVC is a practical guide to learn about developing web applications with JavaScriptMVC. This book is for anyone who is interested in developing small- and mid-size web applications with the JavaScriptMVC framework, which is based on the most popular JavaScript library - jQuery. Readers should be familiar with JavaScript, browser APIs, jQuery, HTML5, and CSS.

### **Beginning Django E-Commerce**

With Learning JavaScript Design Patterns, you'll learn how to write beautiful, structured, and maintainable JavaScript by applying classical and modern design patterns to the language. If you want to keep your code efficient, more manageable, and up-to-date with the latest best practices, this book is for you. Explore many popular design patterns, including Modules, Observers, Facades, and Mediators. Learn how modern architectural patterns—such as MVC, MVP, and MVVM—are useful from the perspective of a modern web application developer.

This book also walks experienced JavaScript developers through modern module formats, how to namespace code effectively, and other essential topics. Learn the structure of design patterns and how they are written Understand different pattern categories, including creational, structural, and behavioral Walk through more than 20 classical and modern design patterns in JavaScript Use several options for writing modular code—including the Module pattern, Asynchronous Module Definition (AMD), and CommonJS Discover design patterns implemented in the jQuery library Learn popular design patterns for writing maintainable jQuery plugins "This book should be in every JavaScript developer's hands. It's the go-to book on JavaScript patterns that will be read and referenced many times in the future."—Andrée Hansson, Lead Front-End Developer, presis!

### **Practical Django 2 and Channels 2**

Practical recipes for building fast, robust, and secure web apps using Django 3 and Python Key Features Explore the latest version of Django, and learn effectively with the help of practical examples Follow a task-based approach to develop professional web apps using Django and Python Learn to deploy, scale, and secure apps using Docker and Amazon Web Services(AWS) Book Description Django is a web framework for perfectionists with deadlines, designed to help you build manageable medium and large web projects in a short time span. This fourth edition of Django Web Development Cookbook is updated with Django 3's latest features to guide you effectively through the development process. This Django book starts by helping you create a virtual environment and project structure for building Python web apps. You'll learn how to build models, views, forms, and templates for your web apps and then integrate JavaScript in your Django apps to add more features. As you advance, you'll create responsive multilingual websites, ready to be shared on social networks. The book will take you through uploading and processing images, rendering data in HTML5, PDF, and Excel, using and creating APIs, and navigating different data types in Django. You'll become well-versed in security best practices and caching techniques to enhance your website's security and speed. This edition not only helps you work with the PostgreSQL database but also the MySQL database. You'll also discover advanced recipes for using Django with Docker and Ansible in development, staging, and production environments. By the end of this book, you will have become proficient in using Django's powerful features and will be equipped to create robust websites. What you will learn Discover how to set the basic configurations to start any Django project Understand full-stack web application development using Django Build a database structure using reusable model mixins Implement security, performance, and deployment features in your web apps Import data from local sources and external web services and export it to your app Secure web applications against malicious usage and find and fix common performance bottlenecks Who this book is for This Django book is for Python web developers who want to build fast and secure web apps that can scale over time. You'll also find this book useful if you want to upgrade to the latest Django framework. Knowledge of Python 3, along with a basic understanding of the Django framework will help you make the most of this book.

### **Learning JavaScriptMVC**

Develop Java EE applications with Eclipse and commonly used technologies and frameworks.

### **Mastering Django: Core**

Create unbelievably fast, robust and secure web apps with Django Web Framework and Python 3.6 Key Features Discover solutions to a variety of web application scenarios, leveraging the power of the Django framework Understand URL routing, models, forms, templates, and RESTful services with Django 2.14 Test, deploy, and scale your web applications efficiently with Amazon Web Services Book Description Django is a framework designed to balance rapid web development with high performance. It handles high levels of user traffic and interaction, integrates with a variety of databases, and collects and processes data in real time. This book follows a task-based approach to guide you through developing with the Django 2.1 framework, starting with setting up and configuring Docker containers and a virtual environment for your project. You'll learn how to write reusable pieces of code for your models and manage database changes. You'll work with forms and views to enter and list data, applying practical examples using templates and JavaScript together for the optimum user experience. This cookbook helps you to adjust the built-in Django administration to fit your needs and sharpen security and performance to make your web applications as robust, scalable, and dependable as possible. You'll also explore integration with Django CMS, the popular content management suite. In the final chapters, you'll learn programming and debugging tricks and discover how collecting data from different sources and providing it to others in various formats can be a breeze. By the end of the book, you'll learn how to test and deploy projects to a remote dedicated server and scale your application to meet user demands. What you will learn Get started with the basic configuration necessary to start any Django project Build a database structure out of reusable model mixins Secure web applications against malicious usage and address common performance bottlenecks Integrate with, and extend, the Django CMS Construct and manage complex and deep hierarchies Import data from local sources and external web services and export it to third parties Who this book is for This book is designed for Python developers working on fast and secure web apps that can scale over time. You'll also find this book useful if you want to upgrade to latest Django framework. A background in Python 3 along with basic knowledge of the Django framework will be useful.

### **Node.js 6.x Blueprints**

A web map is an interactive display of geographic information, in the form of a web page, that you can use to tell stories and answer questions. Web maps have numerous advantages over traditional mapping techniques, such as the ability to display up-to-date or even real-time information, easy distribution to end users, and highly customized interactive content. Introduction to Web Mapping teaches you how to develop online interactive web maps and web mapping applications, using standard web technologies: HTML, CSS and JavaScript. The core technologies are introduced in Chapters 1-5, focusing on the specific aspects which are most relevant to web mapping. Chapters 6-13 then implement the material and demonstrate key concepts for building and publishing interactive web maps.

## Django Javascript Integration

Summary Node.js in Action, Second Edition is a thoroughly revised book based on the best-selling first edition. It starts at square one and guides you through all the features, techniques, and concepts you'll need to build production-quality Node applications. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology You already know JavaScript. The trick to mastering Node.js is learning how to build applications that fully exploit its powerful asynchronous event handling and non-blocking I/O features. The Node server radically simplifies event-driven real-time apps like chat, games, and live data analytics, and with its incredibly rich ecosystem of modules, tools, and libraries, it's hard to beat! About the Book Based on the bestselling first edition, Node.js in Action, Second Edition is a completely new book. Packed with practical examples, it teaches you how to create high-performance web servers using JavaScript and Node. You'll master key design concepts such as asynchronous programming, state management, and event-driven programming. And you'll learn to put together MVC servers using Express and Connect, design web APIs, and set up the perfect production environment to build, lint, and test. What's Inside Mastering non-blocking I/O The Node event loop Testing and deploying Web application templating About the Reader Written for web developers with intermediate JavaScript skills. About the Authors The Second Edition author team includes Node masters Alex Young, Bradley Meck, Mike Cantelon, and Tim Oxley, along with original authors Marc Harter, T.J. Holowaychuk, and Nathan Rajlich. Table of contents PART 1 - WELCOME TO NODE Welcome to Node.js Node programming fundamentals What is a Node web application? PART 2 - WEB DEVELOPMENT WITH NODE Front-end build systems Server-side frameworks Connect and Express in depth Web application templating Storing application data Testing Node applications Deploying Node applications and maintaining uptime PART 3 - BEYOND WEB DEVELOPMENT Writing command-line applications Conquering the desktop with Electron

## Moodle JavaScript Cookbook

Learn Django 2.0 with four end-to-end projects Key Features Learn Django by building real-world web applications from scratch Develop powerful web applications quickly using the best coding practices Integrate other technologies into your application with clear, step-by-step explanations and comprehensive example code Book Description If you want to learn about the entire process of developing professional web applications with Django, then this book is for you. This book will walk you through the creation of four professional Django projects, teaching you how to solve common problems and implement best practices. You will learn how to build a blog application, a social image-bookmarking website, an online shop, and an e-learning platform. The book will teach you how to enhance your applications with AJAX, create RESTful APIs, and set up a production environment for your Django projects. The book walks you through the creation of real-world applications, while solving common problems and implementing best practices. By the end of this book, you will have a deep understanding of Django and how to build advanced web applications What you will learn Build practical, real-world web applications with Django Use Django with other technologies, such as Redis and Celery Develop pluggable Django applications Create advanced

features, optimize your code, and use the cache framework Add internationalization to your Django projects Enhance your user experience using JavaScript and AJAX Add social features to your projects Build RESTful APIs for your applications Who this book is for If you are a web developer who wants to see how to build professional sites with Django, this book is for you. You will need a basic knowledge of Python, HTML, and JavaScript, but you don't need to have worked with Django before.

### **Learning JavaScript Design Patterns**

Write clean code that works with the help of this groundbreaking software method. Example-driven teaching is the basis of Beck's step-by-step instruction that will have readers using TDD to further their projects.

### **Beginning Django**

If you have created websites with Django, but you want to sharpen your knowledge and learn some good approaches for how to treat different aspects of web development, you should definitely read this book. It is intended for intermediate and professional Django users who need to build projects which must be multilingual, functional on devices of different screen sizes, and which scale over time.

### **Python Web Development with Django**

Discover the Django web application framework and get started building Python-based web applications. This book takes you from the basics of Django all the way through to cutting-edge topics such as creating RESTful applications. Beginning Django also covers ancillary, but essential, development topics, including configuration settings, static resource management, logging, debugging, and email. Along with material on data access with SQL queries, you'll have all you need to get up and running with Django 1.11 LTS, which is compatible with Python 2 and Python 3. Once you've built your web application, you'll need to be the admin, so the next part of the book covers how to enforce permission management with users and groups. This technique allows you to restrict access to URLs and content, giving you total control of your data. In addition, you'll work with and customize the Django admin site, which provides access to a Django project's data. After reading and using this book, you'll be able to build a Django application top to bottom and be ready to move on to more advanced or complex Django application development. What You'll Learn Get started with the Django framework Use Django views, class-based views, URLs, middleware, forms, templates, and Jinja templates Take advantage of Django models, including model relationships, migrations, queries, and forms Leverage the Django admin site to get access to the database used by a Django project Deploy Django REST services to serve as the data backbone for mobile, IoT, and SaaS systems Who This Book Is For Python developers new to the Django web application development framework and web developers new to Python and Django.

### **Ajax**

A practical, example-driven guide to using, automating, and integrating JavaScript Unit tests for the busy and conscientious JavaScript developer striving for excellence and success. JavaScript Unit Testing is a must have guide for every web developer, designer, architect, and JavaScript coder seeking to ensure the highest quality of their web applications and JS code. Knowledge of JavaScript is assumed.

### **Test-driven Development**

Learn the A to Z of building excellent Splunk applications with the latest techniques using this comprehensive guide About This Book This is the most up-to-date book on Splunk 6.3 for developers Get ahead of being just a Splunk user and start creating custom Splunk applications as per your needs Your one-stop-solution to Splunk application development Who This Book Is For This book is for those who have some familiarity with Splunk and now want to learn how to develop an efficient Splunk application. Previous experience with Splunk, writing searches, and designing basic dashboards is expected. What You Will Learn Implement a Modular Input and a custom D3 data visualization Create a directory structure and set view permissions Create a search view and a dashboard view using advanced XML modules Enhance your application using eventtypes, tags, and macros Package a Splunk application using best practices Publish a Splunk application to the Splunk community In Detail Splunk provides a platform that allows you to search data stored on a machine, analyze it, and visualize the analyzed data to make informed decisions. The adoption of Splunk in enterprises is huge, and it has a wide range of customers right from Adobe to Dominos. Using the Splunk platform as a user is one thing, but customizing this platform and creating applications specific to your needs takes more than basic knowledge of the platform. This book will dive into developing Splunk applications that cater to your needs of making sense of data and will let you visualize this data with the help of stunning dashboards. This book includes everything on developing a full-fledged Splunk application right from designing to implementing to publishing. We will design the fundamentals to build a Splunk application and then move on to creating one. During the course of the book, we will cover application data, objects, permissions, and more. After this, we will show you how to enhance the application, including branding, workflows, and enriched data. Views, dashboards, and web frameworks are also covered. This book will showcase everything new in the latest version of Splunk including the latest data models, alert actions, XML forms, various dashboard enhancements, and visualization options (with D3). Finally, we take a look at the latest Splunk cloud applications, advanced integrations, and development as per the latest release. Style and approach This book is an easy-to-follow guide with lots of tips and tricks to help you master all the concepts necessary to develop and deploy your Splunk applications.

### **Java EE Development with Eclipse**

This book is a standard tutorial for web application developers presented in a comprehensive, step-by-step manner to explain the nuances involved. It has an abundance of code and examples supporting explanations of each feature. This book is intended for Java developers wanting to create rich and responsive applications using AJAX. Basic experience of using jQuery is assumed.

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