Developing Web Applications With The NET Framework (MCSD Self Paced Training Kit)

Today, developers are increasingly adopting Clojure as a web-development platform. See for yourself what makes Clojure so desirable, as you create a series of web apps of growing complexity, exploring the full process of web development using a modern functional language. This fully updated third edition reveals the changes in the rapidly evolving Clojure ecosystem and provides a practical, complete walkthrough of the Clojure web-stack. Stop developing web apps with yesterday's tools. Today, developers are increasingly adopting Clojure as a web-development platform. See for yourself what makes Clojure so desirable, as you work hands-on with Clojure and build a series of web apps of increasing size and scope, culminating in a professional grade web app using all the techniques you've learned along the way. This fully updated third edition will get you up to speed on the changes in the rapidly evolving Clojure ecosystem - the many new libraries, tools, and best practices. Build a fully featured SPA app with re-frame, a popular front-end framework for ClojureScript supporting a functional style MVC approach for managing the UI state in Single-Page Application-style applications. Gain expertise in the popular Ring/Compojure stack using the Luminus framework. Learn how Clojure works with databases and speeds development of RESTful services. See why ClojureScript is rapidly becoming a popular front-end platform, and use ClojureScript with the popular re-frame library to build single-page applications. Whether you're already familiar with Clojure or completely new to the language, you'll be able to write web applications with Clojure at a professional level.

Work practices and organizational processes vary widely and evolve constantly. The technological infrastructure has to follow, allowing or even supporting these changes. Traditional approaches to software engineering reach their limits whenever the full spectrum of user requirements cannot be anticipated or the frequency of changes makes software reengineering cycles too clumsy to address all the needs of a specific field of application. Moreover, the increasing importance of 'infrastructural' aspects, particularly the mutual dependencies between technologies, usages, and domain competencies, calls for a differentiation of roles beyond the classical user–designer dichotomy. End user development (EUD) addresses these issues by offering lightweight, use-time support which allows users to configure, adapt, and evolve their software by themselves. EUD is understood as a set

of methods, techniques, and tools that allow users of software systems who are acting as non-professional software developers to 1 create, modify, or extend a software artifact. While programming activities by non-professional actors are an essential focus, EUD also investigates related activities such as collective understanding and sense-making of use problems and solutions, the interaction among end users with regard to the introduction and diffusion of new configurations, or delegation patterns that may also partly involve professional designers.

Grasp the fundamentals of web application development by building a simple database-backed app from scratch, using HTML, JavaScript, and other open source tools. Through hands-on tutorials, this practical guide shows inexperienced web app developers how to create a user interface, write a server, build client-server communication, and use a cloud-based service to deploy the application. Each chapter includes practice problems, full examples, and mental models of the development workflow. Ideal for a college-level course, this book helps you get started with web app development by providing you with a solid grounding in the process. Set up a basic workflow with a text editor, version control system, and web browser Structure a user interface with HTML, and include styles with CSS Use JQuery and JavaScript to add interactivity to your application Link the client to the server with AJAX, JavaScript objects, and JSON Learn the basics of server-side programming with Node.js Store data outside your application with Redis and MongoDB Share your application by uploading it to the cloud with CloudFoundry Get basic tips for writing maintainable code on both client and server

Most security books on Java focus on cryptography and access control, but exclude key aspects such as coding practices, logging, and web application risk assessment. Encapsulating security requirements for web development with the Java programming platform, Secure Java: For Web Application Development covers secure programming, risk assessment, and threat modeling—explaining how to integrate these practices into a secure software development life cycle. From the risk assessment phase to the proof of concept phase, the book details a secure web application development process. The authors provide in-depth implementation guidance and best practices for access control, cryptography, logging, secure coding, and authentication and authorization in web application development. Discussing the latest application exploits and vulnerabilities, they examine various options and protection mechanisms for securing web applications against these multifarious threats. The book is organized into four sections: Provides a clear view of the growing footprint of web applications Explores the foundations of secure web application development and the risk management process Delves into tactical web application

security development with Java EE Deals extensively with security testing of web applications This complete reference includes a case study of an e-commerce company facing web application security challenges, as well as specific techniques for testing the security of web applications. Highlighting state-of-the-art tools for web application security testing, it supplies valuable insight on how to meet important security compliance requirements, including PCI-DSS, PA-DSS, HIPAA, and GLBA. The book also includes an appendix that covers the application security guidelines for the payment card industry standards.

Conallen introduces architects and designers and client/server systems to issues and techniques of developing software for the Web. He expects readers to be familiar with object-oriented principles and concepts, particularly with UML (unified modeling language), and at least one Web application architecture or environment. The second edition incorporates both technical developments and his experience since 1999. He does not provide a bibliography. Annotation copyrighted by Book News, Inc., Portland, OR

Web Database Applications with PHP and MySQL

Eclipse Web Tools Platform

Using .NET Core and Modern JavaScript Frameworks

Building Web Applications with Erlang

Write Ambitious JavaScript

Building Progressive Web Apps

Go Web Programming

This guide for Web developers and database programmers shows how to build robust XML applications backed by SQL databases. After an overview of advantages of XML and SQL, stages of application development are detailed step-by-step, illustrated with examples of when and how each technology is most effective. Coverage includes project definition, data modeling, database schema design, and Java programming with XML and SQL. The book is intended for software developers managing small- to medium-scale projects. Appelquist is a technology consultant in content management and e-business strategy. Annotation copyrighted by Book News, Inc., Portland, OR.

Combines language tutorials with application design advice to cover the PHP server-side scripting language and the MySQL database engine.

Market_Desc: Both undergraduate and masters course students taking modules with titles such as Website Development and Internet Programming. Programmers migrating to the web and general readership interested

in developing applications which spread over several technologies. Special Features: · Students will need little previous programming experience.· Includes HTML, CSS and Cookies/Session, JavaScript, DHTML, XML and XSL/T.· Also includes strong and timely coverage of new and important areas such as PHP5, MySQL and mobile technologies.· Focuses on open source and freely available software for use, including Apache server, PHP and MySQL.· Defines the surrounding context allowing students to see how the technologies fit together rather than existing as isolated units.· Strong pedagogical features including workshops and exercises, ultimately leading to the creation of a number of applications at the book s end, which depend upon the student s ingenuity to complete.· Encourages a creative rather than a formal approach to developing applications.· Includes topics such as Website Design Issues, Planning a Website Navigation.· A chapter introducing CGI and Perl Programming. About The Book: Developing Web Applications presents script writing and good programming practice but also allows students to see how the individual technologies fit together. It includes recent technical developments to provide a practical and modern introduction to building web applications.Assuming no prior programming experience, this concise, accessible book ensures that essential concepts on the client side are quickly grasped, and goes on to examine the server environment and available languages, including discussion of dynamic, modern scripting languages such as PHP. Network and security issues are also discussed. The aim of this book is to deliver exactly what is needed to start producing working applications as soon as possible -- and have fun along the way.Ideal for course use or self-study, this book includes practical suggestions for mini-projects which encourage the reader to explore his or her own imaginative solutions, as well as more theoretical end-of-chapter questions. It can also easily be used as a reference work as each section is self-contained, amplifying the key aspects of its particular topic. Most software covered is freely available in the public domain and no particular development environments are required. It is a direct, contemporary and extremely useful resource for anyone interested in learning how to program applications for the World Wide Web.

A practical guide for the rapid web application development with Flask KEY FEATURESÊ _ Expert-led coverage of core capabilities of Flask, key extensions and its implementation.Ê _ Explore the Werkzeug toolkit andÊ Jinja Template engine and see how FlaskÊ interacts with JavaScript and CSS. _ Detailed modules on building and deploying RESTful applications using Flask. Ê DESCRIPTIONÊ This book teaches the reader the complete workflow of developing web applications using Python and its most outperforming microframework, Flask. The book begins with getting you up to speed in developing a strong understanding of the web application development process and how Python is used in developing the applications. You will learn how to write your own first Flask-based web application in Python. You will learn about web gateway interfaces, including CGI and WSGI along with various tools like the Jinja 2 engine, Werkzeug toolkit, and Click toolkit.Ê You will learn and

practice the core features of Flask such as URL routing, rendering, handling static assets of a web application, how to handle cookies and sessions, and other HTTP objects. Once you have developed a strong knowledge of Flask, you will now dive deeper into advanced topics that includes Flask extensions for working with relational and NoSQL databases, Flask_WTF, and Flask-Bootstrap. You will explore design patterns, various blueprints on how to build modular and scalable applications, and finally how to deploy the RESTful APIs successfully on your own. WHAT YOU WILL LEARNÊÊ _ Get to know everything about the core capabilities of Flask. _ Understand the basic building blocks of Flask. _ Get familiar with advanced features of Flask, including blueprints, Flask extensions, and database connectivity. _ Get ready to design your own Flask-based web applications and RESTful APIs. _ Learn to build modular and scalable applications and how to deploy them successfully. WHO THIS BOOK IS FORÊÊÊ This book is ideal for Python enthusiasts, open source contributors, and web app developers who intend to add Python web technologies in their skillsets and startup companies. The understanding of the core Python language with intermediate level expertise is required and experience of working with SQL, HTML, CSS, and JavaScript is an added advantage. TABLE OF CONTENTS 1. Python for CGI 2. WSGI 3. Flask Fundamentals 4. URL Routing 5. Rendering Templates 6. Static Files 7. HTTP Objects 8. Using Databases 9. More Flask Extensions 10. Blueprints and Contexts 11. Web API with Flask 12. Deploying Flask Applications 13. Appendix While many resources for network and IT security are available, detailed knowledge regarding modern web application security has been lacking—until now. This practical guide provides both offensive and defensive security concepts that software engineers can easily learn and apply. Andrew Hoffman, a senior security engineer at Salesforce, introduces three pillars of web application security: recon, offense, and defense. You'll learn methods for effectively researching and analyzing modern web applications—including those you don't have direct access to. You'll also learn how to break into web applications using the latest hacking techniques. Finally, you'll learn how to develop mitigations for use in your own web applications to protect against hackers. Explore common vulnerabilities plaguing today's web applications Learn essential hacking techniques attackers use to exploit applications Map and document web applications for which you don't have direct access Develop and deploy customized exploits that can bypass common defenses Develop and deploy mitigations to protect your applications against hackers Integrate secure coding best practices into your development lifecycle Get practical tips to help you improve the overall security of your web applications

WordPress as an Application Framework

Go: Building Web Applications

Creating a Native App Experience on the Web

Progressive Web Application Development by Example

Developing Java Web Applications
Oracle Web Application Programming for PL/SQL Developers
Building Web Apps with Ember.js

Build fast, reliable web applications using the latest web development technologies. This book provides step-by-step learning through the process of transforming a "traditional" web app into a high-performing progressive web app, leveraging principles and lessons taught throughout the book. You will learn to improve the performance, reliability, reach, and user engagement of mobile web applications through the use of specific, practical examples. Because most non-trivial web applications developed today use JavaScript frameworks, you will learn about the most popular frameworks offering a PWA right out of the box, including React, Preact, Vue.js, Angular, and Ionic. You also will learn which tools to enlist to measure your application's performance, such as Google's Lighthouse. Beginning Progressive Web App Development includes best practices to make your app work even when an end user has a poor or no Internet connection, and to send notifications and reminders with the Notification and Push APIs to keep your users engaged. You will come away with an understanding of the technologies—application shells, server push technology, and caching—that will allow you to rapidly deliver content to your users. As important as it is to provide mobile users with a great experience, the principles of PWAs are not limited to smartphones. Most of what you will learn in this book is directly applicable to web applications on all screen sizes. What You'll Learn Achieve nearly instant loading times Implement service workers to make your app load faster and work while users are offline Keep users engaged with web notifications Measure the performance and reach of your web applications Transform your existing web app into a progressive web app Create a progressive web app from scratch Understand what building a truly fast web app entails with Google's PRPL pattern Who This Book Is For Web developers with prior JavaScript experience

Learn to use Oracle 9i to build dynamic, data-driven Web sites. Get step-by-step details on creating and deploying Web applications using PL/SQL, HTML, Java, XML, WML, Peri and PHP. This book covers everything users need to know to master Web application development in an Oracle environment - using PL/SQL.

"This fast-moving guide introduces web application development with Haskell and Yesod, a potent language/framework combination that supports high-performing applications that are modular, type-safe, and concise. You'll work with several samples to explore the way Yesod handles widgets, forms, persistence, and RESTful content. You also get an introduction to various Haskell tools to supplement your basic knowledge of the language. By the time you finish this book, you'll create a production-quality web application with Yesod's ready-to-

use scaffolding. You'll also examine several real-world examples, including a blog, a wiki, a JSON web service, and a Sphinx search server"--Publisher's description.

If you are a GIS user or a web programmer, this book is for you. This book is also intended for all those who have basic web development knowledge with no prior experience of ArcGIS and are keen on venturing into the world of ArcGIS technology. The book will equip you with the skills to comfortably start your own ArcGIS web development project.

Flask is a powerful web framework that helps you build great projects using your favorite tools. Flask takes the flexible Python programming language and provides a simple template for web development. Once imported into Python, Flask can be used to save time building web applications. It goes against the flow with the microframework concept, leaving most of the architecture choices to the developer. Through its great API, extensions, and powerful patterns, Flask helps you create simple projects in minutes and complex ones as soon as possible. From the beginning, Building Web Applications with Flask shows you how to utilize Flask's concepts, extensions, and components to create engaging, full-featured web projects. You'll learn how to properly handle forms using WTForms, devise convenient templates with Jinja2 tags and macros, use NoSQL and SQL databases to store user data, test your projects with features and unit tests, create powerful authentication and user authorization, as well as administrative interfaces with ease, and more. As Flask does not enforce an architectural recipe, neither do we! This book makes no coding assumptions on how you should code, leaving you free to experiment.

Engineering Web Applications

Working with REST and Web Sockets on Yaws

Enterprise Web Development

Web Development with Django

Build Quickly with Proven JavaScript Techniques

Web Development with Clojure

DEVELOPING WEB APPLICATIONS

Over 90 recipes to help you write clean code, solve common JavaScript problems, and work on popular use cases like SPAs, microservices, native mobile development with Node, React, React Native and Electron. Key FeaturesOver 90 practical recipes to help you write clean and maintainable JavaScript codes with the latest ES8Leverage the power of leading web frameworks like Node and React to build modern web appsFeatures comprehensive coverage of tools and techniques needed to create multi-platform apps with JavaScriptBook Description JavaScript has evolved into a language that you can use on any platform. Modern JavaScript Web

Development Cookbook is a perfect blend of solutions for traditional JavaScript development and modern areas that developers have lately been exploring with JavaScript. This comprehensive guide teaches you how to work with JavaScript on servers, browsers, mobile phones and desktops. You will start by exploring the new features of ES8. You will then move on to learning the use of ES8 on servers (with Node.js), with the objective of producing services and microservices and dealing with authentication and CORS. Once you get accustomed to ES8, you will learn to apply it to browsers using frameworks, such as React and Redux, which interact through Ajax with services. You will then understand the use of a modern framework to develop the UI. In addition to this, development for mobile devices with React Native will walk you through the benefits of creating native apps, both for Android and iOS. Finally, you'll be able to apply your new-found knowledge of server-side and client-side tools to develop applications with Electron. What you will learnUse the latest features of ES8 and learn new ways to code with JavaScriptDevelop server-side services and microservices with Node.jsLearn to do unit testing and to debug your codeBuild client-side web applications using React and ReduxCreate native mobile applications for Android and iOS with React NativeWrite desktop applications with ElectronWho this book is for This book is for developers who want to explore the latest JavaScript features, frameworks, and tools for building complete mobile, desktop and web apps, including server and client-side code. You are expected to have working knowledge of JavaScript to get the most out of this book.

Eliminate the guesswork involved in writing and deploying a cloud application. This step-by-step guide uses PHP to minimize the complexity of the code and setup, but the tools and techniques can be applied on any platform using any language. Everything that you need to jumpstart your application on the cloud is right here. Clear diagrams, step-by-step configuration information, and complete code listings tell you everything you need to get off the ground and start developing your cloud application today. This book introduces several cloud architectures and technologies that will help you accelerate your application in the cloud. Chapters cover load-balanced clusters, database replication, caching configuration, content delivery networks, infinite-scale file storage, and cloud system administration. Cloud computing has dramatically changed the landscape of web hosting. Instead of spending weeks negotiating contracts for servers, new servers can be deployed with the push of a button, and your application can be resized almost instantly to meet today's needs. No matter what size of web application you are developing, you can benefit from modern cloud servers, and this is the guide to tell you how. What You'll Learn Use the cloud and its various platforms with Docker management tools Build a simple PHP-based scalable web application Create a basic cloud cluster Work with Amazon and Google Cloud Platform in your PHP web application development Who This Book Is For Developers who have some prior programming experience, including PHP, and who are new to building applications

Build scalable, efficient, and highly available web apps using AWS About This Book Get an in-depth understanding of the serverless model Build a complete serverless web application end to end Learn how to use the Serverless Framework to improve your productivity Who This Book Is For If you're looking to learn more about scalable and cost-efficient architectures, this book is for you. Basic knowledge of Node.js skills or familiarity with cloud services is required. For other topics, we cover the basics. What You Will

Learn Get a grasp of the pros and cons of going serverless and its use cases Discover how you can use the building blocks of AWS to your advantage Set up the environment and create a basic app with the Serverless Framework Host static files on S3 and CloudFront with HTTPS support Build a sample application with a frontend using React as an SPA Develop the Node.js backend to handle requests and connect to a SimpleDB database Secure your applications with authentication and authorization Implement the publish-subscribe pattern to handle notifications in a serverless application Create tests, define the workflow for deployment, and monitor your app In Detail This book will equip you with the knowledge needed to build your own serverless apps by showing you how to set up different services while making your application scalable, highly available, and efficient. We begin by giving you an idea of what it means to go serverless, exploring the pros and cons of the serverless model and its use cases. Next, you will be introduced to the AWS services that will be used throughout the book, how to estimate costs, and how to set up and use the Serverless Framework. From here, you will start to build an entire serverless project of an online store, beginning with a React SPA frontend hosted on AWS followed by a serverless backend with API Gateway and Lambda functions. You will also learn to access data from a SimpleDB database, secure the application with authentication and authorization, and implement serverless notifications for browsers using AWS IoT. This book will describe how to monitor the performance, efficiency, and errors of your apps and conclude by teaching you how to test and deploy your applications. Style and approach This book takes a step-by-step approach on how to use the Serverless Framework and AWS services to build Serverless Applications. It will give you a hands-on feeling, allowing you to practice while reading. It provides a brief introduction of concepts while keeping the focus on the practical skills required to develop applications.
Microsoft's introduction of its XML Web platform, .NET Framework, and its C# programming language signal Microsoft's total entry into e-commerce, fundamentally changing the way businesses and people interact over the Internet. Building Web Applications with C# and .NET: A Complete Reference is a comprehensive resource with a sharp focus on how to develop and deploy distributed applications using Microsoft's .NET Framework and C#. Written for C++, Visual Basic, Java, and ASP programmers making the transition to .NET, the text begins by providing the fundamentals of network programming and then expands these basics to demonstrate how to use the concepts and capabilities of .NET for developing distributed applications. Heavily referenced with many exercises, the text provides a clear, detailed exposition on the essential elements of the .NET Framework requisite to distributed programming. Coverage of ASP, C#, ADO Database Access, HTML, XM, WSDL and SOAP, and Web Services make this text the ultimate reference on the .Net Framework. Numerous examples illustrate the concepts and techniques discussed and the hands-on exercises demonstrate the visual studio development environment. Building Web Applications with C# and .NET: A Complete Reference includes a tutorial on the C# programming language and provides you with the skills and tools that you will need to develop and deploy distributed applications.
The only book to address using cache to enhance and speed up Web application development Developers use Apache, MySQL, memcached, and Perl to build dynamic Web sites that store information within the MySQL database; this is the only book to address using these technologies together to alleviate the database load in Web development Covers each of the four systems and shows how

to install, set up, and administer them; then shows the reader how to put the parts together to start building applications Explains the benefits of a base perl library for code re-use, and provides sample applications that demonstrate in a practical way the information covered in the previous chapters Examines monitoring, performance, and security, with a problem-solving chapter that walks the reader through solving real-world issues

Building Web Applications with Flask

Safety-Driven Web Development

Beginning Progressive Web App Development

Building Web Applications with C# and .NET

A Simple Guide to Programming and Administering Cloud-Based Applications

Building Web Applications with ArcGIS

End-User Development

If you want to build your organization’s next web application with HTML5, this practical book will help you sort through the various frameworks, libraries, and development options that populate this stack. You’ll learn several of these approaches hands-on by writing multiple versions of a sample web app throughout the book, so you can determine the right strategy for your enterprise. What’s the best way to reach both mobile and desktop users How about modularization, security, and test-driven development? With lots of working code samples, this book will help web application developers and software architects navigate the growing number of HTML5 and JavaScript choices available. The book’s sample apps are available at http://savesickchild.org. Mock up the book’s working app with HTML, JavaScript, and CSS Rebuild the sample app, first with jQuery and then Ext JS Work with different build tools, code generators, and package managers Build a modularized version of the app with RequireJS Apply test-driven development with the Jasmine framework Use WebSocket to build an online auction for the app Adapt the app for both PCs and mobile with responsiv web design Create mobile versions with jQuery Mobile, Sencha Touch, and PhoneGap

Learn how to build web applications from three Microsoft MVPs. After building the data application layer using Entity Framework Core and a RESTful service using ASP.NET Core, you will then build the client side web application three ways: first, using ASP.NET Core, then using Angular 2, and, finally, using React. You will be able to compare and contrast these UI frameworks and select the best one for your needs. .NET Core is a comple rewrite of the popular .NET and its related frameworks. While many concepts are similar between .NET Core and the .NET 4.6 framework, there are revolutionary changes as well, including updates to Entity Framework Core and ASP.NET Core. The first section of this book covers the three main parts of building applications with C#: Entity Framework, ASP.NET Core Services, and ASP.NET Core Web Applications. There is also an explosion in popularity of JavaScript frameworks for client side development, and the authors cover two of the most popular UI frameworks. Start with TypeScript for developing clean JavaScript, along with a client side build tool such as Gulp, Grunt, and WebPack. Using the same data access layer ar RESTful service from the .NET Core application, you can rebuild the UI using Angular 2. Then, repeat the process using React, for a true comparison of building client side applications using ASP.NET Core, Angular 2, and React. What You'll Learn Understand the fundamentals of .NET Core and what that means to the traditional .NET developer Build a data access layer with Entity Framework Core, a RESTful service with ASP.NET Core MVC, and a website with ASP.NET Core MVC and Bootstrap Automate many build tasks with client side build utilities Who This Book Is For Intermediate to advanced .NET developers

Roll up your sleeves and jump into building web applications using .NET Core 2.1 and the most popular JavaScript frameworks. You will start by building a data access layer using Entity Framework Core, a RESTful service using ASP.NET Core, and then you will build a web application following the MVC pattern, also using ASP.NET Core. The resulting application is an example e-commerce site using the most appropriate capabilities in .NET Core for building a line of business applications. The second half of Building Web Applications with .NET Core 2.1 and JavaScript is dedicated to teaching you how to develop applications on the client with JavaScript, BootStrap, and related tooling such as TypeScript, WebPack, NPM and more. Each JavaScript framework will build the same UI as the ASP.NET Core web application from the first half of the book, leveraging the same ASP.NET Core RESTful service and Entity Framework Core data access layer. Building the same UI in the different JavaScript frameworks provides the context and knowledge to reasonably compare and contrast the tools. What You Will Learn Ramp up quickly on Entity Framework Core and ASP.NET Core Use TypeScript to deliver better JavaScript Manage your JavaScript build process Know how to build UIs with ASP.NET Core MVC, Angular, and React to make better decisions on which technologies to adopt in your projectsConduct an apples-to-apples comparison of ASP.NET Core, Angular, and React Who This Book Is For .NET architects, consultants, and developers who want to modernize their skill set. Some understanding of JavaScript and the Web is useful.

Developing Large Web ApplicationsProducing Code That Can Grow and Thrive"O'Reilly Media, Inc."

This fast-moving guide introduces web application development with Haskell and Yesod, a potent language/framework combination that supports high-performing applications that are modular, type-safe, and concise. Fully updated for Yesod 1.4, this second edition shows you how Yesod handles widgets, forms, persistence, and RESTful content. Author Michael Snoyman also introduces various Haskell tools to supplement your basic knowledge of the language. By the time you finish this book, you'll create a production-quality web application with Yesod's ready-to-use scaffolding. You'll also examine several real-world examples, including a blog, a wiki, a JSON web service, and a Sphinx search server. Build a simple application to learn Yesod's foundation datatype and Web Application Interface (WAI) Output HTML, CSS, and Javascript with Shakespearean template languages Get an indepth look at Yesod's core monads for producing cleaner, more modular code Probe Yesod's internal workings: learn the request handling process for a typical application Build forms on top of widgets by implementing the yesod-form declarative API Learn how Yesod and Haskell handle persistence and session data Serve an HTML page and a machine-friendly JSON page from the same URL

Modern JavaScript Web Development Cookbook

Building Web Applications with UML

With HTML, CSS, JSP, PHP, ASP. NET, and JavaScript

Learn to Develop and Deploy Responsive RESTful Web Applications Using Flask Framework (English Edition)

Bringing the Power of Native to the Browser

Developing Web Applications with Python

XML and SQL

Learn how to create the basic, dynamic, and advanced ASP.NET pages in C# Packed with tips, tricks, and workarounds, this book covers every aspect of developing a Web application for the enterprise using ASP.NET and C#. Written by Microsoft insiders, it shows readers how to create the basic, dynamic, and advanced ASP.NET pages in Microsoft's new C# programming language, and explains how to interact with the database using ADO.NET. The authors review how to transport and display data on the

Internet or an Intranet using XML, objects, and Web services. They also explain how to implement security with authentication, integrate important e-commerce issues, and optimize the ASP.NET Web application for optimal performance. Companion Web site features complete source code samples for the applications developed and explained in the book. Microsoft Technologies .NET Platform: The next big overhaul to Microsoft's technologies that will bring enterprise distributed computing to the next level by fully integrating the Internet into the development platform. This will allow interaction between any machine, on any platform, and on any device. Visual Basic.NET: The update to this popular visual programming language will offer greater Web functionality, more sophisticated object-oriented language features, links to Microsoft's new common runtime, and a new interface. ASP.NET: A programming framework (formerly known as Active Server Pages) for building powerful Web-based enterprise applications; can be programmed using VB.NET or C#. C#: Microsoft's new truly object-oriented programming language that builds on the strengths of C++ and the ease of Visual Basic; promises to give Sun's Java a run for its money.

Express Web Application Development is a practical introduction to learning about Express. Each chapter introduces you to a different area of Express, using screenshots and examples to get you up and running as quickly as possible.If you are looking to use Express to build your next web application, "Express Web Application Development" will help you get started and take you right through to Express' advanced features. You will need to have an intermediate knowledge of JavaScript to get the most out of this book.

This book focuses on using common Web tools to develop business applications. Professional business programmers who are new to Web development will quickly acquire the relevant information they need, starting with HTML and CSS. The book goes beyond simple HTML and introduces other common Web technologies, including Java Server Pages (JSP), PHP, ASP.NET, and JavaScript. The book shows how those technologies interact with HTML and how developers can use them to develop and deploy business applications that users access via the Web. This book is written by business programmers and educators for business programmers. It is not just an introduction to HTML, but an introduction to the most common tools any business programmer needs to develop browser-based applications. Upon completion of the book, a business developer or student will have learned to develop and implement a completed browser-based business application.

Summary Go Web Programming teaches you how to build scalable, high-performance web applications in Go using modern design principles. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology The Go language handles the demands of scalable, high-performance web applications by providing clean and fast compiled code, garbage collection, a simple concurrency model, and a fantastic standard library. It's perfect for writing microservices or building scalable, maintainable systems. About the Book Go Web Programming teaches you how to build web applications in Go using modern design principles. You'll learn how to implement the dependency injection design pattern for writing test doubles, use concurrency in web applications, and create and consume JSON and XML in web services. Along the way, you'll discover how to minimize your dependence on external frameworks, and you'll pick up valuable productivity techniques

for testing and deploying your applications. What's Inside Basics Testing and benchmarking Using concurrency Deploying to standalone servers, PaaS, and Docker Dozens of tips, tricks, and techniques About the Reader This book assumes you're familiar with Go language basics and the general concepts of web development. About the Author Sau Sheong Chang is Managing Director of Digital Technology at Singapore Power and an active contributor to the Ruby and Go communities. Table of Contents PART 1 GO AND WEB APPLICATIONS Go and web applications Go ChitChat PART 2 BASIC WEB APPLICATIONS Handling requests Processing requests Displaying content Storing data PART 3 BEING REAL Go web services Testing your application Leveraging Go concurrency Deploying Go

If you ' re a web developer interested in building scalable single-page applications–full-stack, browser-based apps that connect to a backend–this practical guide shows you how to use Ember.js, the popular JavaScript framework based on the model-view-controller (MVC) architectural pattern. Through the course of the book, you ' ll learn how to build a prototype Ember application (a musician index called Rock ' n ' Roll Call), using routers, templates, models, controllers, and views. You ' ll also understand how Ember ' s convention over configuration approach helps you persist data, build backend technologies, and create widgets for developing production-capable applications that behave like desktop software. Set up workflow management and boilerplate code creation Learn how Ember ' s " developer ergonomics " help you use less code Write templates for the book ' s prototype with Handlebars.js Use routers to manage application states without reloading the page Connect controllers and views with events, and sync data with data-binding Build an Ember backend with a RESTful API or Ruby on Rails Use the Ember-Data library to persist data and talk to the backend Write reusable encapsulated widgets to extend your applications

Learning Web App Development

Developing Web Apps with Haskell and Yesod

Building Web Apps with WordPress

Flask Web Development

Learn to build modern web applications with a Python-based framework

Web Application Security

Developing Large Web Applications

Django is a popular Python-based framework for web application development. Like Python, Django is easy for beginners to learn and enables constant progress. This book will help aspiring web developers gain the skills to use Django to develop robust web apps.

Leverage the full potential of the web to make your web sites better than native applications for every platform. Key Features Explore different models and patterns required to develop progressive web applications Create applications requiring shorter runtime for attracting more users Study different projects to understand the fundamentals of progressive web applications Book Description Are you a developer that wants to create truly

cross-platform user experiences with a minimal footprint, free of store restrictions and features customers want? Then you need to get to grips with Progressive Web Applications (PWAs), a perfect amalgamation of web and mobile applications with a blazing-fast response time. Progressive Web Application Development by Example helps you explore concepts of the PWA development by enabling you to develop three projects, starting with a 2048 game. In this game, you will review parts of a web manifest file and understand how a browser uses properties to define the home screen experience. You will then move on to learning how to develop and use a podcast client and be introduced to service workers. The application will demonstrate how service workers are registered and updated. In addition to this, you will review a caching API so that you have a firm understanding of how to use the cache within a service worker, and you'll discover core caching strategies and how to code them within a service worker. Finally, you will study how to build a tickets application, wherein you'll apply advanced service worker techniques, such as cache invalidation. Also, you'll learn about tools you can use to validate your applications and scaffold them for quality and consistency. By the end of the book, you will have walked through browser developer tools, node modules, and online tools for creating high-quality PWAs. What you will learn Explore the core principles of PWAs Study the three main technical requirements of PWAs Discover enhancing requirements to make PWAs transcend native apps and traditional websites Create and install PWAs on common websites with a given HTTPS as the core requirement Get acquainted with the service worker life cycle Define service worker caching patterns Apply caching strategies to three different website scenarios Implement best practices for web performance Who this book is for Progressive Web Application Development by Example is for you if you're a web developer or front-end designer who wants to ensure improved user experiences. If you are an application developer with knowledge of HTML, CSS, and JavaScript, this book will help you enhance your skills in order to develop progressive web applications, the future of app development.

How do you create a mission-critical site that provides exceptional performance while remaining flexible, adaptable, and reliable 24/7? Written by the manager of a UI group at Yahoo!, Developing Large Web Applications offers practical steps for building rock-solid applications that remain effective even as you add features, functions, and users. You'll learn how to develop large web applications with the extreme precision required for other types of software. Avoid common coding and maintenance headaches as small websites add more pages, more code, and more programmers Get comprehensive solutions for refining HTML, CSS, JavaScript, PHP, and Ajax for large-scale web applications Make changes in one place that ripple through all affected page elements Embrace the virtues of modularity, encapsulation, abstraction, and loosely coupled components Use tried-and-true techniques for managing data exchange, including working with forms and cookies Learn often-overlooked best practices in code management and software engineering Prepare your code to make performance enhancements and testing

easier

Move over native apps. New progressive web apps have capabilities that will soon make you obsolete. With this hands-on guide, web developers and business execs will learn how—and why—to develop web apps that take advantage of features that have so far been exclusive to native apps. Features that include fast load times, push notifications, offline access, homescreen shortcuts, and an entirely app-like experience. By leveraging the latest browser APIs, progressive web apps combine all of the benefits of native apps, while avoiding their issues. Throughout the book, author Tal Ater shows you how to improve a simple website for the fictional Gotham Imperial Hotel into a modern progressive web app. Plus: Understand how service workers work, and use them to create sites that launch in an instant, regardless of the user's internet connection Create full-screen web apps that launch from the phone's homescreen just like native apps Re-engage users with push notifications, even days after they have left your site Embrace offline-first and build web apps that gracefully handle loss of connectivity Explore new UX opportunities and challenges presented by progressive web apps

Beginner to Expert in Web development with JavaScript: From HTML to React-Redux KEY FEATURES - Acquire web development skills to build independent applications - Understand the basics of HTML, CSS, JavaScript, React and Redux - Create build beautiful applications using HTML, CSS, JavaScript, React and Redux - Learn how to debug and unit test your applications properly to build good end products - Follow best practices to write good quality code and build performant applications DESCRIPTION This book will take you on a complete journey of learning web development, starting right with the basics. The book begins with the history of web development and JavaScript, how it has evolved over these years, and how it still keeps growing with new features. Next, you will learn the basic pillars of web development - HTML, CSS, and JavaScript. You will learn about the functional, object-oriented programming and asynchronous behaviour, and how JavaScript provides for these. Empowered with the basics, you will proceed to learn the new features of JavaScript, ES2015, and the latest ES2019. Next, you will apply your learning to build a real application to see how the Web takes shape.At the end, you will also have an introductory section on ReactJS, one of the modern frameworks for UI development and also develop a simple weather application using React. You will be introduced to Redux as the state container for React applications. This book will conclude with an introductory look at additional topics which can be taken up to become a professional and in building enterprise level applications. WHAT WILL YOU LEARN By the end of the book, you will be building real web applications to put your knowledge to practice. This book introduces all the concepts to get started with web application development. To further excel in this field, you really need to practice by building a lot many applications, implementing your own ideas or imitating existing websites. Also remember to practice additional examples provided in the code bundle of the book to master this field. WHO THIS BOOK IS FOR This

book can be used by people who are completely new to software development and want to get into front-end web development by starting from basics. This book can also be used by JavaScript users for a quick reference to the fundamentals of HTML, CSS, JS, and learn ReactJS with Redux, as well as the new features in JavaScript ES2019. Table of Contents 1. History of JS and how it has revolutionized web development 2. HTML: Creating Web Content 3. CSS: Making content beautiful 4. JavaScript Programming: Making application Interactive 5. Functional programming with JavaScript 6. Object-Oriented JavaScript 7. Asynchronous Programming 8. What's new in ES2019 JavaScript 9. Building an application with JavaScript 10. Debugging JavaScript Applications 11. Unit test automation 12. Build and Deploy an Application 13. JavaScript Best Practices 14. Introduction to React 15. Building an application with React 16. State Management in React applications 17. Debugging, Testing, and Deploying React applications 18. What is next - for becoming a pro?

Developing Web Applications with ASP.NET and C#

Building Scalable PHP Web Applications Using the Cloud

For Web Application Development

Building a Web Application Using HTML, CSS, and JavaScript

Producing Code That Can Grow and Thrive

A Complete Reference

Leveraging Modern JavaScript Frameworks

Build real-world, production-ready solutions by harnessing the powerful features of Go About This Book An easy-to-follow guide that provides everything a developer needs to know to build end-to-end web applications in Go Write interesting and clever, but simple code, and learn skills and techniques that are directly transferable to your own projects A practical approach to utilize application scaffolding to design highly scalable programs that are deeply rooted in go routines and channels Who This Book Is For This book is intended for developers who are new to Go, but have previous experience of building web applications and APIs. What You Will Learn Build a fully featured REST API to enable client-side single page apps Utilize TLS to build reliable and secure sites Learn to apply the nuances of the Go language to implement a wide range of start-up quality projects Create websites and data services capable of massive scale using Go's net/http package, exploring RESTful patterns as well as low-latency WebSocket APIs Interact with a variety of remote web services to consume capabilities ranging from authentication and authorization to a fully functioning thesaurus Explore the core syntaxes and language features that enable concurrency in Go Understand when and where to use concurrency to keep data consistent and applications non-blocking, responsive, and reliable Utilize advanced concurrency patterns and best practices to stay low-level without compromising the simplicity of Go

itself In Detail Go is an open source programming language that makes it easy to build simple, reliable, and efficient software. It is a statically typed language with syntax loosely derived from that of C, adding garbage collection, type safety, some dynamic-typing capabilities, additional built-in types such as variable-length arrays and key-value maps, and a large standard library. This course starts with a walkthrough of the topics most critical to anyone building a new web application. Whether it's keeping your application secure, connecting to your database, enabling token-based authentication, or utilizing logic-less templates, this course has you covered. Scale, performance, and high availability lie at the heart of the projects, and the lessons learned throughout this course will arm you with everything you need to build world-class solutions. It will also take you through the history of concurrency, how Go utilizes it, how Go differs from other languages, and the features and structures of Go's concurrency core. It will make you feel comfortable designing a safe, data-consistent, and high-performance concurrent application in Go. This course is an invaluable resource to help you understand Go's powerful features to build simple, reliable, secure, and efficient web applications. Style and approach This course is a step-by-step guide, which starts off with the basics of go programming to build web applications and will gradually move on to cover intermediate and advanced topics. You will be going through this smooth transition by building interesting projects along with the authors, discussing significant options, and decisions at each stage, while keeping the programs lean, uncluttered, and as simple as possible.

Discover WTP, the New End-to-End Toolset for Java-Based Web Development The Eclipse Web Tools Platform (WTP) seamlessly integrates all the tools today’s Java Web developer needs. WTP is both an unprecedented Open Source resource for working developers and a powerful foundation for state-of-the-art commercial products. Eclipse Web Tools Platform offers in-depth descriptions of every tool included in WTP, introducing powerful capabilities never before available in Eclipse. The authors cover the entire Web development process–from defining Web application architectures and development processes through testing and beyond. And if you’re seeking to extend WTP, this book provides an introduction to the platform’s rich APIs. The book also Presents step-by-step coverage of developing persistence, business logic, and presentation tiers with WTP and Java Introduces best practices for multiple styles of Web and Java EE development Demonstrates JDBC database access and configuration Shows how to configure application servers for use with WTP Walks through creating Web service application interfaces Covers automated testing with JUnit and Cactus, and automated builds utilizing Ant, Maven, and CruiseControl Introduces testing and profiling Web applications with the Eclipse Test and Performance Tools Platform (TPTP) project Describes how to extend WTP with new servers, file types, and WSDL extensions Foreword Preface Acknowledgments About the Authors

Part I: Getting Started Chapter 1: Introduction Chapter 2: About the Eclipse Web Tools Platform Project Chapter 3: Quick Tour Chapter 4: Setting Up Your Workspace Part II: Java Web Application Development Chapter 5: Web Application Architecture and Design Chapter 6: Organizing Your Development Project Chapter 7: The Presentation Tier Chapter 8: The Business Logic Tier Chapter 9: The Persistence Tier Chapter 10: Web Services Chapter 11: Testing Part III: Extending WTP Chapter 12: Adding New Servers Chapter 13: Supporting New File Types Chapter 14: Creating WSDL Extensions Chapter 15: Customizing Resource Resolution Part IV: Products and Plans Chapter 16: Other Web Tools Based on Eclipse Chapter 17: The Road Ahead Glossary References Index This book is an invaluable resource for every Eclipse and enterprise Java Web developer: both those who use Eclipse to build other Web applications, and those who build Eclipse technologies into their own products. Complete source code examples are available at www.eclipsewtp.org.

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 though 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.

Nowadays, Web applications are almost omnipresent. The Web has become a platform not only for information delivery, but also for eCommerce systems, social networks, mobile services, and distributed learning environments. Engineering Web applications involves many intrinsic challenges due to their distributed nature, content orientation, and the requirement to make them available to a wide spectrum of users who are unknown in advance. The authors discuss these challenges in the context of well-established engineering processes, covering the whole product lifecycle from requirements engineering through design and implementation to deployment and maintenance. They stress the importance of models in Web application development, and they compare well-known Web-specific development processes like WebML, WSDM and OOHDM to traditional software development approaches like the waterfall model and the spiral model. .

"Working with REST and Web-Sockets on Yaws"--Cover.

Building Serverless Web Applications

Easy solutions to common and everyday JavaScript development problems
Develop fast, reliable, and engaging user experiences for the web
Developing Web Applications
Building Web Applications with .NET Core 2.1 and JavaScript
Developing Web Applications with Apache, MySQL, memcached, and Perl

WordPress is much more than a blogging platform. As this practical guide clearly demonstrates, you can use WordPress to build web apps of any type—not mere content sites, but full-blown apps for specific tasks. If you have PHP experience with a smattering of HTML, CSS, and JavaScript, you'll learn how to use WordPress plugins and themes to develop fast, scalable, and secure web apps, native mobile apps, web services, and even a network of multiple WordPress sites. The authors use examples from their recently released SchoolPress app to explain concepts and techniques throughout the book. All code examples are available on GitHub. Compare WordPress with traditional app development frameworks Use themes for views, and plugins for backend functionality Get suggestions for choosing WordPress plugins—or build your own Manage user accounts and roles, and access user data Build asynchronous behaviors in your app with jQuery Develop native apps for iOS and Android, using wrappers Incorporate PHP libraries, external APIs, and web service plugins Collect payments through ecommerce and membership plugins Use techniques to speed up and scale your WordPress app
Express Web Application Development
Building Web Apps with Python and Flask
Developing Business Applications for the Web
Building Web Applications with Visual Studio 2017
Exploitation and Countermeasures for Modern Web Applications
Build Large, Maintainable Web Applications Interactively
2nd International Symposium, IS-EUD 2009, Siegen, Germany, March 2-4, 2009, Proceedings