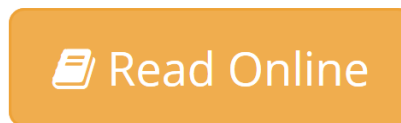


D Web Development

By Kai Nacke



D Web Development By Kai Nacke

Leverage the power of D and the vibe.d framework to develop web applications that are incredibly fast

About This Book

- Utilize the elegant vibe.d framework to build web applications easily and REST backends with the D programming language
- Learn about all components of vibe.d to enhance your web development with D
- A hands-on guide to the vibe.d framework; from static web pages to template-based, interactive and localized web applications with database access and REST backends

Who This Book Is For

Whether you are new to the world of D, or already have developed applications in D, or if you want to leverage the power of D for web development, then this book is ideal for you. Basic knowledge of core web technologies like HTML 5 is helpful but not required. This book explains the difficult details to speed your web development.

What You Will Learn

- Create amazingly fast web applications with D
- Use Diet templates to easily create a web user interface
- Utilize the web framework for interactive applications with input validation and internationalization
- Access a database to provide persistent storage for your application
- Extend your application with a REST interface and access other applications via REST
- Understand vibe.d's fiber-based approach to asynchronous I/O and use it for integration of existing components
- Create GUI applications with vibe.d

In Detail

D is a programming language with C-like syntax and static typing. The vibe.d

framework builds on powerful D concepts like template meta-programming and compile-time function execution to provide an easy-to-use environment for web applications. The combination of a feature-rich web programming framework with a language compiling to native code solves two common issues in web development today: it accelerates your development and it results in fast, native web applications. Learning the vibe.d framework before you start your application will help you to choose the right features to reach your goal.

This book guides you through all aspects of web development with D and the vibe.d framework.

Covering the popular operating systems today, this guide starts with the setup of your development system. From the first Hello World-style application you will move on to building static web pages with templates. The concise treatment of web forms will give you all the details about form handling and web security. Using the abstractions of the web framework you will learn how to easily validate user input. Next, you will add database access to your application, providing persistent storage for your data. Building on this foundation, you will expose your component and integrate other components via REST. Learning about the internals of vibe.d you will be able to use low-level techniques such as raw TCP access. The vibe.d concepts can also be used for GUI clients, which is the next topic that you will learn. vibe.d is supported by an active community, which adds new functionality. This comprehensive guide concludes with an overview of the most useful vibe.d extensions and where to find them. It also shows you how to integrate these extensions in your application.

The concepts are always illustrated with source code, giving you an insight into how to apply them in your application.

Style and approach

A tutorial-style guide to develop web applications with D and the vibe.d framework. Each topic is explained in detail and illustrated with source code, providing you with hands-on assistance for your application.

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- Sales Rank: #927323 in eBooks
- Published on: 2016-01-30
- Released on: 2016-01-30
- Format: Kindle eBook

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Editorial Review

About the Author

Kai Nacke

Kai Nacke is a professional IT architect living in Dusseldorf, Germany. He holds a diploma in computer science from the University of Dortmund. His diploma thesis about universal hash functions was recognized as the best of the semester. He has been with IBM for more than 15 years, and has great experience in the development and architecture of business and enterprise applications. Fascinated by the first home computer, he learned to program a VIC-20 in BASIC. Later, he turned to Turbo PASCAL and Small C on CP/M. Experimenting with the source of Small C created his interest in compiler technology. Many computers, operating systems, and languages followed these first steps. Around 2005, he became interested in the D programming language and created the first fun applications in D. Missing a 64-bit D compiler for Windows, he started to contribute to the LLVM compiler framework and LDC, the LLVM-based D compiler. Soon, he became committer of both projects and is now the current maintainer of LDC. He is also a speaker at the Free and Open Source Software Developers' European Meeting (FOSDEM) and was one of the reviewers of D Cookbook, Packt Publishing.

Users Review

From reader reviews:

Russell Love:

In this 21st centuries, people become competitive in each and every way. By being competitive currently, people have do something to make all of them survives, being in the middle of the crowded place and notice by simply surrounding. One thing that at times many people have underestimated the item for a while is reading. Yep, by reading a guide your ability to survive increase then having chance to stand than other is high. For yourself who want to start reading the book, we give you that D Web Development book as basic and daily reading reserve. Why, because this book is greater than just a book.

Morgan Woods:

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Cynthia Briscoe:

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you who have always deal with world and possess to make decision every minute. This kind of book reveal it info accurately using great coordinate word or we can say no rambling sentences inside. So if you are read that hurriedly you can have whole details in it. Doesn't mean it only provides you with straight forward sentences but tricky core information with wonderful delivering sentences. Having D Web Development in your hand like getting the world in your arm, facts in it is not ridiculous one particular. We can say that no guide that offer you world in ten or fifteen small right but this e-book already do that. So , this is good reading book. Hey there Mr. and Mrs. active do you still doubt that will?

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