

Backbone.js Patterns and Best Practices

By Swarnendu De

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Backbone.js Patterns and Best Practices By Swarnendu De

A onestop guide to best practices and design patterns when building applications using Backtbone.js

About This Book

- Offers solutions to common Backbone.js related problems that most developers face
- Shows you how to use custom widgets, plugins, and mixins to make your code reusable
- Describes patterns and best practices for large scale JavaScript application architecture and unit testing applications with QUnit and SinonJS frameworks

Who This Book Is For

This book is for JavaScript developers who work with Backbone.js and want to learn the best design patterns to develop complex web applications. Basic knowledge of Backbone.js and JavaScript is essential.

What You Will Learn

- Develop custom plugins and mixins to reduce boilerplate in your code
- Learn about Backbone view management with nested views, subviews, layout manager, and Marionette views
- Understand template management by storing and pre-compiling templates
- Explore model validation with validation plugins and learn model serialization and relational data management with nested models
- Work with collections to implement multiple sorting and filtering behavior
- Create solid application architecture with AMD and different popular design patterns

In Detail

Backbone.js is a super light framework that allows you to structure your JavaScript codes in an MV* fashion. This framework is an excellent tool when it comes to creating an organized and modular code base for web apps of any size

or complexity. Although lightweight, Backbone.js results in lots of boilerplate. Learning the best practices and design patterns will help you avoid these problems and allow you to ensure that the best standards are followed.

Backbone.js Patterns and Best Practices is packed with examples that will help you work with Backbone.js components. It also gives solutions to common problems faced by developers. It gives a complete overview of plugin development, large scale application architecture, and unit testing as well.

Starting with a discussion of why reducing boilerplate in your JavaScript code is essential, Backbone.js Patterns and Best Practices explains how to enforce reusability in your code by creating plugins and mixins. You will learn about patterns and best practices for Backbone views, models, collections, routers, and events.

You will discover solutions to common problems that developers face through simple examples, and delve into the best open source plugins available to solve these problems when they arise. This book is an excellent collection of design and implementation patterns that will help you structure and develop complex Backbone.js applications easily.

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Editorial Review

About the Author

Swarnendu De

Swarnendu De is the director of Innofied Solution Pvt. Ltd. (http://www.innofied.com), a specialized mobile, web, and game development company. He manages technical operations and leads the JavaScript development team there. For the last seven years, he has been working with numerous JavaScript technologies including Backbone.js, Node.js, ExtJS, Sencha, and so on, and has developed more than 50 complex JavaScriptbased applications thus far. He regularly writes at his personal blog, company blog, and the Tuts+ network. He has been working with Backbone.js for the last 2 years and has developed multiple, large, and complex Backbone.jsbased applications using this technology. Swarnendu lives in Kolkata—the city of joy. He loves travelling, photography, and spending time with his family. You can reach him through his website at http://www.swarnendude.com or via Twitter at @swarnendude.

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From reader reviews:

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