jQuery Design Patterns

By Thodoris Greasidis

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Key Features

- Learn about the observer pattern and the deferred observer pattern, two of the most popular design patterns that handle custom events
- Advance your jQuery skills by learning about patterns such as divide and conquer, facade, and builder and factory to handle complex results
- This step-by-step guide to applying micro-patterns and optimizing jQuery applications will help you get the best performance in a production environment

Book Description

jQuery is a feature-rich JavaScript library that makes HTML document traversal and manipulation, event handling, animation, and Ajax much simpler with an easy-to-use API that works across a variety of browsers. With a combination of versatility and extensibility, jQuery has changed the way that millions of people write JavaScript.

jQuery solves the problems of DOM manipulation, event detection, AJAX calls, element selection and document queries, element attribute and data management, as well as object management utilities. This book addresses these problems and shows you how to make the best of jQuery through the various design patterns available.

The book starts off with a refresher to jQuery and will then take you through the different design patterns such as facade, observer, publisher/subscriber, and so on. We will also go into client-side templating techniques and libraries, as well as some plugin development patterns. Finally, we will look into some best practices that you can use to make the best of jQuery.

What you will learn

- Respond to user actions
- Achieve greater flexibility and code decoupling
- Have a central point for emitting and receiving application level events
- Structure the application into small independent modules
- Abstract complex APIs
- Isolate the procedure of generating complex parts of the application
- Efficiently orchestrate asynchronous procedures using jQuery Deferred and

Promises
- Utilize the most widely-used client-side templating libraries for more complex use cases

About the Author

Thodoris Greasidis is a senior web engineer from Greece. He graduated with honors from the University of Thessaly, holds a polytechnic diploma in computer, networking, and communications engineering, and a master's degree in computer science. He is a full-stack developer, responsible for implementing large-scale web applications with intuitive interfaces and high-availability web services.

Thodoris is part of the Angular-UI team and has made many open source contributions, with a special interest in Mozilla projects. He is also an active member of the Athens AngularJS Meetup and a technical reviewer of Mastering jQuery UI, Packt Publishing.

He is a JavaScript enthusiast and loves bitwise operations. His interests also include NodeJS, Python, project scaffolding, automation, and artificial intelligence, especially multi-agent systems.

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9. Client-side Templating
10. Plugin and Widget Development Patterns
11. Optimization Patterns

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Editorial Review

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