Ext Js Sencha

Summary Ext JS in Action, Second Edition teaches Ext JS from the ground up. You'll start with a quick overview of the framework and then explore the core components by diving into complete examples, engaging illustrations, and crisp, straightforward explanations. You'll feel like you have an expert guide right at your elbow teaching you important Ext techniques and offering insight into its inner workings. Along the way, you'll learn the best practices for building and scaling full-featured web applications, including how to customize and build Ext widgets. Fully revised for Ext JS 4.0. About this Book Ext JS is a mature JavaScript web application framework that provides modern UI widgets and an advanced MVC architecture. It helps you manage tedious boilerplate and minimize hand-coded HTML and browser incompatibilities. Ext JS in Action, Second Edition starts with a quick overview of the framework and then explores the core components by diving into complete examples, engaging illustrations, and clear explanations. You'll feel like you have an expert guide at your elbow as you learn the best practices for building and scaling full-featured web applications. A working knowledge of JavaScript is assumed. No prior experience with Ext JS is required. Purchase of the print book includes a free eBook in PDF,

Kindle, and ePub formats from Manning Publications. What's Inside Building professional web apps with Ext JS Stamping out DOM fragments with templates Customizing and building Ext widgets Masterful UI design Fully revised for Ext JS version 4.0 About the Authors Jay Garcia is a well-known member of the Ext JS community and a contributor to the framework. He wrote Sencha Touch in Action. Grgur Grisogono founded SourceDevCon in London, UK and Split, Croatia. Jacob Andresen is a consultant specializing in large scale internet applications. Table of Contents PART 1 INTRODUCTION TO EXT JS 4.0 A framework apart DOM manipulation Components and containers PART 2 EXT JS COMPONENTS Core UI components Exploring layouts Forms in Ext JS The data store The grid panel Taking root with trees Drawing and charting Remote method invocation with Ext Direct Drag-and-drop PART 3 BUILDING AN APPLICATION Class system foundations Building an application

Over 130 easy to follow recipes backed up with real life examples, walking you through the basic Ext JS features to advanced application design using Sencha Ext JS with this book and ebook.

Technological advances in the field of IT lead to the creation of new programs intended to merge the advantages of desktop-based programs with the advantages of Web-based programs in order to increase user accessibility and

provide effective computer performance. Frameworks, Methodologies, and Tools for Developing Rich Internet Applications presents current research and analysis on the use of JavaScript and software development to establish new programs intended for the Web. With an in-depth look at computer and Web programming, this publication emphasizes the benefits and dynamic qualities of these emerging technologies. This book is an essential reference source for academicians, researchers, students, practitioners, and professionals interested in understanding and applying the advances in the combined fields of Web engineering and desktop programming in order to increase computer users' visual experience and interactivity.

Launch into Sencha Touch 2 with this hands-on book, and quickly learn how to develop robust mobile web apps that look and behave like native applications. Using numerous code samples, author Adrian Kosmaczewski guides you every step of the way through this touchscreen-enabled JavaScript framework—from creating your first basic app to debugging, testing, and deploying a finished product. Learn how to craft user interfaces, build forms, and manage data, then deploy as either an HTML5 offline app or as a native app for Android, iOS, or Blackberry. Define classes and create instances with Sencha Touch's object-oriented abstraction Build user interfaces with the framework's extensive set of

high-level components Develop apps that consume complex data, whether it's stored locally or on remote servers Organize your application code in a consistent, predictable, and maintainable way Use Sass stylesheets to craft a personalized look and feel for your app Debug, test, and document your app with WebKit Web Inspector, Jasmine, Siesta, and JSDuck Use the Sencha Architect UI designer and IDE to simplify complex project development

An in-depth tutorial that teaches you the basics of data-driven applications, and how to design and implement them using Ext JS. If you are an intermediate in Sencha Ext JS, Ext JS Data-Driven Application Design is the tutorial for you. You need to be familiar with JavaScript and have basic operational knowledge of MySQL. If you want to be able to systematically construct an application from the first step to implementation, this book will be useful for you.

This is a step-by-step tutorial packed with examples and tips to learn Ext.NET from scratch. This book is written for .NET Web Application Developers who are familiar with ASP.NET looking to build .NET based Rich Internet Applications. Whether you are new to Ext JS or you are looking to use your existing Ext JS skills in a .NET environment, this book will be useful for you.

If you are a developer who has knowledge of Ext JS but would like to expand it to encompass the bigger picture of application development, then this book is ideal

for you.

For JavaScript developers working on increasingly large and complex projects, effective automated testing is crucial to success. Test-Driven JavaScript Development is a complete, best-practice guide to agile JavaScript testing and quality assurance with the test-driven development (TDD) methodology. Leading agile JavaScript developer Christian Johansen covers all aspects of applying state-of-the-art automated testing in JavaScript environments, walking readers through the entire development lifecycle, from project launch to application deployment, and beyond. Using real-life examples driven by unit tests, Johansen shows how to use TDD to gain greater confidence in your code base, so you can fearlessly refactor and build more robust, maintainable, and reliable JavaScript code at lower cost. Throughout, he addresses crucial issues ranging from code design to performance optimization, offering realistic solutions for developers, QA specialists, and testers. Coverage includes • Understanding automated testing and TDD • Building effective automated testing workflows • Testing code for both browsers and servers (using Node.js) • Using TDD to build cleaner APIs, better modularized code, and more robust software • Writing testable code • Using test stubs and mocks to test units in isolation • Continuously improving code through refactoring • Walking through the construction and automated testing of fully

functional software The accompanying Web site, tddjs.com, contains all of the book's code listings and additional resources.

If you are a JavaScript developer or someone who has basic knowledge of JavaScript, and want to explore its optimum ability, this fast-paced book is definitely for you. Programming logic is the only thing you need to know to start having fun with algorithms.

If you are a developer who is familiar with Ext JS and want to augment your skills to create even better web applications, this is the book for you. Basic knowledge of JavaScript/HTML/CSS and any server-side language (PHP, Java, C#, Ruby, or Python) is required.

This book is a practical step-by-step tutorial which guides you to migrate from Ext JS 3 to Ext JS 4. There are examples backed with explanations and plenty of code and illustrations to look forward to. This book is written for web developers who are familiar with Ext JS 3 and want to have detailed insights into the new features of Ext JS 4. Build HTML5-powered mobile web experiences with the aid of development frameworks that speed the development of Native App-like experiences. Build on your foundation of HTML and JavaScript with a complete understanding of the different mobile Web browser technologies. You get carefully detailed techniques that are illustrated in full color so you can leverage the Web technologies unique to each mobile browser, apply frameworks such as Sencha Touch to rapidly build out your designs,

and design techniques expressly suited for tablet devices. Projects provide hands-on practice and code is provided on the companion website, www.visualizetheweb.com. Annotation Sencha touch is a versatile HTML5-based framework for developing mobile web apps that look and feel native on touch screen devices, and with it you can write your code once and deploy it to both iOS and Android saving you both time and money.The Sencha touch cookbook has a comprehensive selection of recipes covering everything from installation right through to HTML5 geo location.The Sencha Touch Cookbook really is your one stop resource for cross platform HTML5 application development. It covers the basics such as setting up an iOS and Android development environment right through to much more complex development issues such as touch gestures, animation, rich media and geo location. Every recipe is practically focused. Maximum action. Minimum theory.

Learn powerful JavaScript tools for exploiting HTML5 elements, and discover new methods for working with data, such as offline storage and multithreaded processing. Complete with code samples, this book is ideal for experienced JavaScript and mobile developers alike.

Sencha Touch, an open source tool, fills the space between the HTML and the native app. Web apps are generally built using JavaScript but this short ebook shows you how to construct your mobile Web sites using Sencha Touch - you just need to be familiar with Javascript. Sencha Touch targets specific devices, namely iOS, Android 2.1+ and

Blackberry 6 devices. Web Apps are a critical element of the future of mobile developmen find out how to easily construct them with this brief intro to Sencha Touch! Practical Ext JS 4 will get you up and running, using Ext JS 4.2 for your projects, as quickly as possible. After a quick refresher on some JavaScript basics, you will get to grips with Ext JS 4's OO concepts (such as mixins) and familiarize yourself with its UI components and layout. You'll learn all the core features of the Ext JS framework, such as its MVC architecture, theming and styling your applications, and displaying data through components such as grids, trees, and charts. You'll use the Ext JS components and create an entire application from scratch by following the many practical examples. Finally, you'll learn about unit testing and packaging to build and deploy better applications. Provides you with a solid knowledge of the building blocks of Ext JS 4 Takes you through developing applications using the MVC architecture Demonstrates extending the UI with custom components and plugins Shows you how to unit test Ext JS 4 applications with Jasmine and deploy them with Sencha Cmd Completely up-to-date for the latest Ext JS 4.2

If you are a JavaScript developer who now wants to use the Ext JS framework, this is the book for you. This guide is useful to you whether you're new to Ext JS 5 or are a seasoned expert. Experience in HTML, CSS, and JavaScript is required in order to understand and get the most out of this book.

A standard tutorial-based approach for using Sencha Architect to develop

applications in Ext JS and Sencha Touch.Sencha Architect App Development is for Ext JS and Sencha Touch developers that are looking to improve their productivity by using Sencha Architect for app development. Basic knowledge of Ext JS and Sencha Touch is required.

Fast Track to ColdFusion provides experienced web developers with the knowledge and hands-on practice they need to start building and maintaining dynamic and interactive Web applications using the ColdFusion application server. With over 25 hands-on exercises, this coursebook covers everything that you need to know in order to start building secure, scalable, dynamic, data-driven web sites as well as implement REST APIs to support mobile apps. This coursebook was authored by Fig Leaf Software, based on their decades of practical ColdFusion consulting experiences. Chapters: Unit 1: Introducing the Course Unit 2: Introducing ColdFusion Reviewing ColdFusion's Features and Capabilities Introducing the ColdFusion Administrator Working with ColdFusion Builder Debugging and Troubleshooting your Apps Unit 3: Getting Started with CFML Working with Variables Commenting Code Using Functions Creating Functions Using Control Logic Including Common Code Unit 4: Using the Application Framework Defining an Application Implementing ColdFusion Components Implementing Roles-Based Security Unit 5: Querying Databases

Using to retrieve data Implementing Query by Example Interfaces Inserting New Records Supporting File Uploads Updating Existing Records Deleting Data Invoking Stored Procedures Unit 6: Dynamically Generating Office Documents Generating PDFs Generating Microsoft Excel Files Sending Email Unit 7: Supporting Mobile Apps with RESTful APIs Exposing Services for Remote Access Implementing a RESTful API Implementing Real-Time Communications with WebSockets

The book provides plenty of fun example code and screenshots to guide you through the creation of examples to assist with learning. By taking a chapter-by-chapter look at each major aspect of the Ext JS framework, the book lets you digest the available features in small, easily understandable, chunks, allowing you to start using the library for your development needs immediately. This book is written for Web Application Developers who are familiar with HTML but may have little to no experience with JavaScript application development. If you are starting to build a new web application, or are re-vamping an existing web application, then this book is for you.

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. This is a step-by-step tutorial that practically teaches Ext JS plugin and extension development through sample examples that increase in complexity.Ext JS 4 Plugin and Extension Development is ideal for experienced ExtJS developers who want to expand their knowledge in developing plugins and extensions. This book is also for those developers who are new to ExtJS development, with at least some knowledge on ExtJS basics. This is a step-by-step tutorial with plenty of example code for easier and quicker

pick-up. If you are new to ExtJS or Sencha Touch, this book will help you model your application using good architectural practices so that your application is enterprise-class from day one. If you have already been building ExtJS or Sencha Touch based applications, this book will show you how to apply the client-side MVC architecture and benefit from it. It will show you how you can leverage Sencha's MVC Architecture and the Sencha Tools to manage your projects in a better way.

Build enterprise chatbots for web, social media, voice assistants, IoT, and telephony contact centers with Google's Dialogflow conversational AI technology. This book will explain how to get started with conversational AI using Google and how enterprise users can use Dialogflow as part of Google Cloud. It will cover the core concepts such as Dialogflow essentials, deploying chatbots on web and social media channels, and building voice agents including advanced tips and tricks such as intents, entities, and working with context. The Definitive Guide to Conversational AI with Dialogflow and Google Cloud also explains how to build multilingual chatbots, orchestrate sub chatbots into a bigger conversational platform, use virtual agent analytics with popular tools, such as BigQuery or Chatbase, and build voice bots. It concludes with coverage of more advanced use cases, such as building fulfillment functionality, building your own

integrations, securing your chatbots, and building your own voice platform with the Dialogflow SDK and other Google Cloud machine learning APIs. After reading this book, you will understand how to build cross-channel enterprise bots with popular Google tools such as Dialogflow, Google Cloud AI, Cloud Run, Cloud Functions, and Chatbase. ??What You Will Learn Discover Dialogflow, Dialogflow Essentials, Dialogflow CX, and how machine learning is used Create Dialogflow projects for individuals and enterprise usage Work with Dialogflow essential concepts such as intents, entities, custom entities, system entities, composites, and how to track context Build bots quickly using prebuilt agents, small talk modules, and FAQ knowledge bases Use Dialogflow for an out-of-the-box agent review Deploy text conversational UIs for web and social media channels Build voice agents for voice assistants, phone gateways, and contact centers Create multilingual chatbots Orchestrate many sub-chatbots to build a bigger conversational platform Use chatbot analytics and test the quality of your Dialogflow agent See the new Dialogflow CX concepts, how Dialogflow CX fits in, and what's different in Dialogflow CX Who This Book Is For Everyone interested in building chatbots for web, social media, voice assistants, or contact centers using Google's conversational AI/cloud technology.

Deliver rich desktop-styled Oracle APEX applications using the powerful Ext JS JavaScript

library with this book and eBook.

Summary Sencha Touch in Action is the definitive guide to developing applications with Sencha Touch. You'll begin with basic design principles for building great mobile applications, and then explore the features of Sencha Touch that bring those ideas to life. You'll learn how and why objects operate in the framework as you work through several real-world examples. This book also promotes the emerging best practices for mobile web development, from widget implementation to developing an application with the Sencha Touch MVC framework. Updated for Sencha Touch 2. About the Technology The Sencha Touch framework makes it easy to build cross-platform mobile apps using HTML5 and JavaScript. It offers numerous features that mimic native mobile APIs and an MVC architecture that feels right at home for application developers. So you get the power and richness of native apps and the convenience of standard web tools. About this Book Sencha Touch in Action is a complete guide for developers of native-quality mobile Sencha Touch applications. You'll explore real-world examples as you master this impressive framework from the ground up. The book shows you good practices for mobile web development, from widget implementation to the structure of MVC applications. The book requires basic JavaScript skills. It assumes no experience with Sencha Touch or Ext JS. What's Inside Covers Sencha Touch 2 Build on your existing web dev skills Create mobile web apps that feel like native apps Extend enterprise apps to mobile clients Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Authors Jay Garcia is a popular speaker, Sencha community advocate, and author of Ext JS in Action. Anthony De Moss is a professional web and mobile developer. Mitchell Simoens is a Sencha developer supporting the Sencha Touch

and Ext JS products. Table of Contents PART 1 INTRODUCTION TO SENCHA TOUCH
Introducing Sencha Touch Using Sencha Touch for the first time Sencha Touch foundations
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buttons, and docked items Getting the user's attention Data stores and views Working with
forms Maps and media PART 3 CONSTRUCTING AN APPLICATION Class system
foundations Building Sencha Touch applications

Ext JS 6.2 Bootcamp in a Book (Classic Toolkit Edition) teaches you the fundamentals of
creating scalable, highly maintainable, x-device compatible, production-ready web applications
using Sencha's Ext JS 6.2 Javascript framework. Over 50 hands-on exercises and 600 pages
of instruction guide you through nearly every facet of the framework. This is the coursebook
that Fig Leaf Software uses to deliver our 1-3 week Ext JS "Build your Own Bootcamp" to
enterprise developers worldwide. For more information about our training and professional
services, contact us at www.figleaf.com.

Get hands-on experience building speedy mobile web apps with Sencha Touch 2.3, the user
interface JavaScript framework built specifically for the mobile Web. With this book, you'll
learn how to build a complete touch application, called Find a Cab, that has the look and feel of
a native app on Android, iOS, Windows, and BlackBerry devices. In the process, you'll work
with Sencha's model-view-controller (MVC) components for form handling, styling, integration
with outside data, and other elements. The Sencha Touch learning curve can be steep, but if
you're familiar with JavaScript, HTML5, CSS3, and JSON, this guide will get you up to speed
through real-world examples. Learn the fundamentals, including the class and layout systems
Use the Sencha MVC architecture to structure your code Implement data models and stores,

and create an event controller Make remote connections by implementing server proxies Save data offline by implementing client proxies Work with view components such as maps, lists, and floating panels Implement and handle forms, and construct a custom theme Create production and native build packages

Create powerful, real-world web applications with Ext JS 6 using sample projectsAbout This Book- Explore, debug, and get practical by extending the sample projects, including a sample RESTful API project in Ext JS 6- Gain a quick and easy understanding through working source code and get an explanation of multiple cool sample projects- A project-based guide to help you get your hands on real-world applicationsWho This Book Is ForIf you're a front web developer who is looking to learn a new JavaScript framework, or if you already know about Ext JS and are looking for a practical resource with multiple example projects to get expert-level knowledge in Ext JS, then this guide will be a great resource for you. A basic understanding of HTML, CSS, and JavaScript is expected.What You Will Learn- Install Ext JS Sencha Cmd 6 and debugging tools such as Illumination, App Inspector, and Sencha Fiddle-Understand and apply the core concepts and querying capabilities of Ext JS 6- Dive deep into powerful components such as Grid, Data View, Trees, and different kinds of charts including 3D charts as well as Bar, Area, Pie, Line charts- Discover how an Ext JS 6 application communicates with the server side through Data Packages such as Stores and Proxies-Discover how to create responsive web applications and client-side routing- Acquire and implement knowledge on accessibility, localization, and the drag-and-drop and theming capabilities of Ext JS 6In DetailExt JS is one of the most famous JavaScript frameworks used to create rich interactive web applications using techniques such as Ajax, DHTML, JSON, and

DOM scripting.It provides a complete rich set of GUI controls, has an excellent API for AJAX and REST, and helps users to organize their code with Model View ViewModel (MVVM) or the MVC architecture, and supports two-way data binding, responsive layouts, responsive design, and more.It is an extensive, one-stop-shop to build an JavaScript RIA application.This book starts with a clear step-by-step installation guide for Ext JS 6 and the additional tools required for development on both Mac and Windows operating systems. It then covers the core concepts and fundamentals of Ext JS 6.We move on to focus on multiple basic GUI controls such as buttons, message boxes, and menus, and a sample project that covers the fundamental and basic GUI controls. You'll also learn how to design a form with form fields such as a text field, number field, date picker, label, and radio button, and learn about form validation. We proceed to show you how to organize your code using the MVVM application architecture, and you'll then jump into advanced controls such as Grids, Trees, Data Views, and Charts.You'll also learn about the API required for AJAX and REST communication, and learn all need to know about Ext JS Data Packages. A working RESTful API sample project is included to help you explore the Data Packages. Finally, we end with a discussion on responsive design, theming your application, and the available plugins.Style and approachThis is an example-based guide to help you develop rich Internet applications using Ext JS 6. Most of the chapters start with a particular concept and code example, and end with a cool sample project that uses the concepts learned in the chapter.

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, Asyncronous Module Definition (AMD), and CommonJS Discover design patterns implemented in the jQuery library Learn popular design patterns for writing maintainable jQuery plug-ins "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!

Discover Ext JS, one of today's most powerful and highly regarded JavaScript frameworks, with perhaps the best set of GUI widgets around, and a whole host of components that make developing client–side applications a breeze. Using a pragmatic approach, you'll dissect seven full–fledged applications, covering How Ext JS allows you to create these applications with a slick user interface with a minimum of effort How the other parts of Ext JS aside from the GUI widgets provide many of the capabilities modern applications need, such as Ajax and data mechanisms How other technologies such as Gears can be brought in to make the applications more powerful

Full of explained code and enriched with screenshots, this book is the practical way to take

your Sencha Touch skills to the next level.If you want to gain practical knowledge for using the Sencha Touch mobile web application framework, and you are familiar with HTML and CSS, then this book is for you. It is assumed that you know how to use touchscreens, touch events, and mobile devices such as Apple iOS and Google Android.

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 responsive web design Create mobile versions with jQuery Mobile, Sencha Touch, and PhoneGap

The book is aimed at all levels of readers. Beginners can learn the basic configurations and step-by-step approaches in creating charts or Highcharts cloud. For intermediate and advanced readers, the book explores the APIs, events, server-side operations and plugins. Hone your skills by learning classic data structures and algorithms in JavaScript About This

Book Understand common data structures and the associated algorithms, as well as the context in which they are used. Master existing JavaScript data structures such as array, set and map and learn how to implement new ones such as stacks, linked lists, trees and graphs. All concepts are explained in an easy way, followed by examples. Who This Book Is For If you are a student of Computer Science or are at the start of your technology career and want to explore JavaScript's optimum ability, this book is for you. You need a basic knowledge of JavaScript and programming logic to start having fun with algorithms. What You Will Learn Declare, initialize, add, and remove items from arrays, stacks, and queues Get the knack of using algorithms such as DFS (Depth-first Search) and BFS (Breadth-First Search) for the most complex data structures Harness the power of creating linked lists, doubly linked lists, and circular linked lists Store unique elements with hash tables, dictionaries, and sets Use binary trees and binary search trees Sort data structures using a range of algorithms such as bubble sort, insertion sort, and quick sort In Detail This book begins by covering basics of the JavaScript language and introducing ECMAScript 7, before gradually moving on to the current implementations of ECMAScript 6. You will gain an in-depth knowledge of how hash tables and set data structure functions, as well as how trees and hash maps can be used to search files in a HD or represent a database. This book is an accessible route deeper into JavaScript. Graphs being one of the most complex data structures you'll encounter, we'll also give you a better understanding of why and how graphs are largely used in GPS navigation systems in social networks. Toward the end of the book, you'll discover how all the theories presented by this book can be applied in real-world solutions while working on your own computer networks and Facebook searches. Style and approach This book gets straight to the point, providing you with

examples of how a data structure or algorithm can be used and giving you real-world applications of the algorithm in JavaScript. With real-world use cases associated with each data structure, the book explains which data structure should be used to achieve the desired results in the real world.

The new Sencha Ext JS 5 library offers hundreds of components and APIs to build robust applications and fulfills the critical needs of customers all around the world. The new version 5 is packed with new themes and the MVVM architecture that allows you to connect the model layer to the view and automatically update the model when the view is modified and vice versa. This book covers many new features and components of Ext JS 5. At the beginning, learn the core concepts of Sencha Ext JS, components, data models, and mapping. This book also teaches you about event-driven development, forms and grids, charts and themes, and third-party plugins. Later on in the book, you'll learn the implementations of the Tree panel, the MVC pattern, and a completely new feature called MVVM. By working sequentially through each chapter and following the step-by-step guides, you will be able to create a basic application. This book is ideal for JavaScript developers and programmers who work with any type of user entry data and want sharpen their skills to become experts.

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