JavaScript Mobile Application Development

Create neat cross-platform mobile apps using Apache Cordova and jQuery Mobile

Hazem Saleh

Javascript Mobile Application Development

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Javascript Mobile Application Development:

JavaScript Mobile Application Development Hazem Saleh,2014-10-21 If you are a native mobile developer with some familiarity with the common web technologies of JavaScript CSS and HTML or if you are a web developer then this learning guide will add great value and impact to your work Learning how to develop mobile applications using Apache Cordova is of particular importance if you are looking to develop applications on a variety of different platforms efficiently *Mobile Application Development: JavaScript Frameworks* Hazem Saleh,Ethan Holmes,Tom Bray,Sani Yusuf,2016-09-30 Enhance your JavaScript skills by venturing into the domain of developing mobile applications About This Book Extend your JavaScript skillset to build test and launch mobile apps with confidence Follow three sample projects to experience Ionic s impressive capabilities Extend the power of Apache Cordova by creating your own Apache Cordova cross platform mobile plugins Who This Book Is For This Learning Path is for JavaScript web developers looking to develop mobile applications using various JavaScript descendent technologies It is for anyone who wants to learn how to build fast and stylish native mobile app using the skills they already have If you are already using React on the web we re confident you ll be able to quickly get up and running with React Native for iOS and Android See Ionic in action and find out how it can transform the way you build mobile apps What You Will Learn Develop build run and deploy great cross platform mobile applications using Apache Cordova Create complete mobile apps using Apache Cordova that runs on Apple iOS Google Android and Windows Phone Create a neat user interface for your mobile application using jQuery Mobile Gain an in depth understanding of how React Native works behind the scenes Write your own custom native UI components Develop native modules in Objective C and Java that interact with JavaScript Get to know Ionic by creating three complete mobile applications In Detail A great mobile app is rapidly becoming crucial for a huge range of businesses With a great app your customers or your readers don t come to you you go with them just a few clicks and swipes away This Learning Path shows you how to build awesome mobile apps with some of the best tools currently being used by some of the smartest developers in the industry Taking you through JavaScript impressive development ecosystem from jQuery Mobile to React through to Ionic we ll show you how to put your skills into practice so you can build your next mobile apps with confidence and style In this Learning Path from jQuery to React to Ionic we ll cover everything you need to start In the first module you ll learn how to get stuck into Apache Cordova and find out how to use it as the key platform for developing your mobile app It offers an efficient way to develop hybrid apps which means you won t have to connect to platform specific APIs or use their UI framework and can instead harness your JavaScript web development skills Make sure you have your HTML CSS and jQuery skills at the ready In Module 2 we ll show you how to take advantage of React Native It has a reputation for having a steep learning curve but we ll make it easy for you making sure you make full use of your existing knowledge and getting you up and running with a sample application You ll also learn how to create components how to create multiple screens as well as using native UI components and accessing native APIs In

the third and final module you ll get started with Ionic With three practical projects you can build yourself we ve made sure that you ll be learning by doing which means you ll not only develop new skills much more quickly but you ll have produced something tangible at the end of it This Learning Path combines some of the best that Packt has to offer in one complete curated package It includes content from the following Packt products JavaScript Mobile Application Development by Hazem Saleh Getting Started with React Native by Ethan Holmes and Tom Bray Ionic Framework By Example by Sani Yusuf Style and approach This Learning Path course provides a simple and easy way to build mobile applications in JavaScript descendent technologies such as jQuery ReactJS and Ionic **Mobile JavaScript Application Development** Adrian Kosmaczewski,2012 When developing apps for the latest smartphones you re faced with several vexing questions How many platforms do you need to accommodate What level of support do mobile browsers provide To help you address these and many other key issues this guide provides a hands on tour of the most powerful JavaScript frameworks available today You ll build sample apps with jQuery Mobile Sencha Touch and PhoneGap to learn the unique advantages and disadvantages of each framework From there you can determine which one is best for your project This book is ideal for web developers familiar with JavaScript HTML and CSS Experience the simplicity of jQuery Mobile for building cross browser applications Learn how Sencha Touch s architecture widgets and blazing fast rendering engine makes it a good choice for enterprise software Use PhoneGap to package your web app into a native iOS Android or Windows Phone application Discover the impact of various HTML5 features on mobile app development Pick up JavaScript productivity tips as you delve into its object orientation closures and coding conventions Test and debug your app with a collection of tips tricks and tools **Sams Teach Yourself HTML5 Mobile Application Development in 24 Hours** Jennifer Kyrnin,2011-11-15 In just 24 sessions of one hour or less learn how to build rich robust mobile apps that run on smartphones tablets and other devices and interact with users in powerful new ways Using this book s straightforward step by step approach you ll master leading edge practical skills you can use whether you re developing for the iPad iPhone or Android Discover how to quickly build new mobile apps and upgrade older apps provide cutting edge media content leverage advanced features ranging from geolocation to the semantic web and even simplify complex back end development Each lesson builds on what you ve already learned giving you a rock solid foundation for real world success Step by step instructions carefully walk you through the most common HTML5 mobile development tasks Quizzes and Exercises at the end of each chapter help you test your knowledge By the Way notes present interesting information related to the discussion Did you Know tips offer advice or show you easier ways to perform tasks Watch Out cautions alert you to possible problems and give you advice on how to avoid them Learn how to Work with the new HTML5 tags most valuable for mobile development Get started fast with HTML5 features already supported by today s browsers Detect mobile devices and HTML5 support and upgrade sites to support them Style and build more efficient usable mobile pages Use jQuery Mobile to quickly create mobile apps Leverage HTML5 s breakthrough drawing and

typography features Efficiently integrate media content into your apps Add meaning with HTML5 sectioning and semantic elements Implement drag and drop more easily than ever Build offline applications and other apps that use local storage Detect and work with location data via the GeoLocation API Use microformats and microdata to make web pages friendlier to computers Add powerful back end functionality with WebSockets Web Workers and File APIs Improve user navigation with the History API   **JavaScript Programming for Mobile App Development** AGENTA. MILLO,2025-03-10 Unlock the power of JavaScript to create stunning dynamic mobile applications Whether you re an experienced developer or just starting out this comprehensive guide will take you through the key concepts tools and frameworks you need to design mobile first experiences that work across platforms From understanding the core essentials of mobile app development to advanced topics like API integration performance optimization and security this book covers it all Explore practical frameworks like React Native Vue js and Ionic to build cross platform apps that are both responsive and rich in features With hands on projects and real world examples you ll learn how to create everything from sleek intuitive UIs to complex performance driven applications Key Features Dive deep into mobile first design principles and responsive layouts Master JavaScript tools for creating mobile apps using popular frameworks Learn how to optimize app performance and implement security best practices Build real world apps including to do lists weather apps and chat apps that work seamlessly on both Android and iOS Gain insight into deployment testing and publishing apps to app stores Perfect for developers looking to transition into mobile app development or enhance their skills this book will guide you through every step helping you turn your JavaScript expertise into powerful mobile experiences Get ready to design develop and deploy mobile apps with confidence   **React Native for Mobile App Development** Silas Smith,2025-07-24 What if you could build powerful mobile apps for both Android and iOS using just one codebase and the JavaScript you already know Now you can with React Native Whether you re a complete beginner or a web developer ready to dive into mobile app development this book is your simple step by step guide to building real apps from scratch without needing to learn Swift Kotlin or Java Inside this beginner friendly book you ll learn How to set up your environment and build your first React Native app The core components and layout tools you need to build great looking interfaces How to navigate between screens with React Navigation The basics of state props and hooks to make your app interactive How to fetch and display data from real APIs How to store user data locally using AsyncStorage Ways to use native device features like the camera and location How to test debug and publish your app to the App Store and Google Play You ll build projects step by step no fluff no confusing jargon just clear instructions real code and practical examples React Native is trusted by top companies like Facebook Instagram Shopify and Tesla and now it s your turn to tap into its power Perfect for Complete beginners who want to build real mobile apps JavaScript and React developers exploring mobile development Anyone looking for a faster way to build apps for both platforms Students freelancers and self taught coders ready to level up You don t need to be a tech expert You don t need expensive software All you need is this book your

computer and a little bit of curiosity If you ve ever dreamed of creating your own app this book will show you exactly how to make it real Build faster Build smarter Build your future with React Native *Mobile Application Development: JavaScript Frameworks* Hazem Saleh,Ethan Holmes,Tom Bray,Sani Yusuf,2016-09-30 Enhance your JavaScript skills by venturing into the domain of developing mobile applicationsAbout This Book Extend your JavaScript skillset to build test and launch mobile apps with confidence Follow three sample projects to experience Ionic s impressive capabilities Extend the power of Apache Cordova by creating your own Apache Cordova cross platform mobile pluginsWho This Book Is ForThis Learning Path is for JavaScript web developers looking to develop mobile applications using various JavaScript descendent technologies It is for anyone who wants to learn how to build fast and stylish native mobile app using the skills they already have If you are already using React on the web we re confident you ll be able to quickly get up and running with React Native for iOS and Android See Ionic in action and find out how it can transform the way you build mobile apps What You Will Learn Develop build run and deploy great cross platform mobile applications using Apache Cordova Create complete mobile apps using Apache Cordova that runs on Apple iOS Google Android and Windows Phone Create a neat user interface for your mobile application using jQuery Mobile Gain an in depth understanding of how React Native works behind the scenes Write your own custom native UI components Develop native modules in Objective C and Java that interact with JavaScript Get to know Ionic by creating three complete mobile applicationsIn DetailA great mobile app is rapidly becoming crucial for a huge range of businesses With a great app your customers or your readers don t come to you you go with them just a few clicks and swipes away This Learning Path shows you how to build awesome mobile apps with some of the best tools currently being used by some of the smartest developers in the industry Taking you through JavaScript impressive development ecosystem from jQuery Mobile to React through to Ionic we ll show you how to put your skills into practice so you can build your next mobile apps with confidence and style In this Learning Path from jQuery to React to Ionic we ll cover everything you need to startIn the first module you ll learn how to get stuck into Apache Cordova and find out how to use it as the key platform for developing your mobile app It offers an efficient way to develop hybrid apps which means you won t have to connect to platform specific APIs or use their UI framework and can instead harness your JavaScript web development skills Make sure you have your HTML CSS and jQuery skills at the ready In Module 2 we ll show you how to take advantage of React Native It has a reputation for having a steep learning curve but we ll make it easy for you making sure you make full use of your existing knowledge and getting you up and running with a sample application You ll also learn how to create components how to create multiple screens as well as using native UI components and accessing native APIs In the third and final module you ll get started with Ionic With three practical projects you can build yourself we ve made sure that you ll be learning by doing which means you ll not only develop new skills much more quickly but you ll have produced something tangible at the end of it This Learning Path combines some of the best that Packt has to offer in one complete curated package It includes

content from the following Packt products JavaScript Mobile Application Development by Hazem Saleh Getting Started with React Native by Ethan Holmes and Tom Bray Ionic Framework By Example by Sani YusufStyle and approachThis Learning Path course provides a simple and easy way to build mobile applications in JavaScript descendent technologies such as jQuery ReactJS and Ionic   *Learning React Native* Bonnie Eisenman,2017-10-23 Get a practical introduction to React Native the JavaScript framework for writing and deploying fully featured mobile apps that render natively The second edition of this hands on guide shows you how to build applications that target iOS Android and other mobile platforms instead of browsers apps that can access platform features such as the camera user location and local storage Through code examples and step by step instructions web developers and frontend engineers familiar with React will learn how to build and style interfaces use mobile components and debug and deploy apps You ll learn how to extend React Native using third party libraries or your own Java and Objective C libraries Understand how React Native works under the hood with native UI components Examine how React Native s mobile based components compare to basic HTML elements Create and style your own React Native components and applications Take advantage of platform specific APIs as well as modules from the framework s community Incorporate platform specific components into cross platform apps Learn common pitfalls of React Native development and tools for dealing with them Combine a large application s many screens into a cohesive UX Handle state management in a large app with the Redux library   Pro Android Web Apps Damon Oehlman,Sbastien Blanc,2011-02-18 Developing applications for Android and other mobile devices using web technologies is now well within reach When the capabilities of HTML5 are combined with CSS3 and JavaScript web application developers have an opportunity to develop compelling mobile applications using familiar tools Not only is it possible to build mobile web apps that feel as good as native apps but to also write an application once and have it run a variety of different devices While the HTML5 specification is still evolving there is a lot that can be used right now to build mobile web apps Mobile web apps are now starting to provide many of the features that were once only available to native language based apps in Java Objective C etc Pro Android Web Apps teaches developers already familiar with web application development how to code and structure a web app for use on the Android mobile platform Understand both the why and how of mobile web app development focusing on the Android platform Learn how to structure mobile web apps through a number of practical real world application examples Discover what cloud platforms such as Google AppEngine have to offer Android web apps for both hosting web apps and providing device to cloud data synchronization solutions Get a real picture of the status of HTML5 on Android and other mobile devices including some things to watch out for when building your own applications Understand the capabilities of the web application stack and how to complement those with native bridging frameworks such as PhoneGap to access native features of the device Gain an understanding of the different UI frameworks that are available for building mobile web apps Learn how to include mapping and leverage location based services in mobile web apps to create

engaging mobile experiences Enable social integration with your Android web app and gain access to millions of potential users After reading this book you will not only have a greater understanding of the world of web apps on Android but also how to leverage additional tools and frameworks to increase the reach of your mobile web apps Additionally through the practical samples in the book you will have been given solid exposure of where both the opportunities and challenges lie when building mobile apps the web way   *Learning Node.js for Mobile Application Development* Stefan Buttigieg,Milorad Jevdjenic,2015-10-30 Make use of Node js to learn the development of a simple yet scalable cross platform mobile application About This Book Use Node js to satisfy the core backend requirements of modern apps including user management security data access and real time data communication Build practical real world mobile applications which will give you the necessary knowledge to build your very own mobile solutions Step by step development of projects using Ionic Framework as the frontend and Node js for the backend supported by a MongoDB database Who This Book Is For This book is intended for web developers of all levels of expertise who want to deep dive into cross platform mobile application development without going through the pains of understanding the languages and native frameworks that form an integral part of developing for different mobile platforms This book is also for you if you are a developer who wants to capitalize on the MobileFirst strategy and so are going to use JavaScript for your complete stack What You Will Learn Develop an API from scratch Set up a MongoDB Database as part of your mobile application backend Deploy a cross platform mobile application from the command line Incorporate features within your mobile application that use native phone features such as a gyroscope GPS and accelerometer Implement mobile applications that use web enabled APIs Build a mobile application with real time chat messaging features Develop a secure mobile application that is capable of functioning with real time data In Detail Node js is a massively popular JavaScript library that lets you use JavaScript to easily program scalable network applications and web services People approaching Node js for the first time are often attracted by its efficiency scalability and the fact that it s based on JavaScript the language of the Web which means that developers can use the same language to write backend code Also it s increasingly being seen as a modern replacement for PHP in web development which relies on fast paced data exchange The growing community and the large amount of available modules makes Node js one of the most attractive development environments This book takes a step wise and incremental approach toward developing cross platform mobile technologies using existing web technologies This will allow you to truly understand and become proficient in developing cross platform mobile applications with Node js Ionic Framework and MongoDB The book starts off by introducing all the necessary requirements and knowledge to build a mobile application with a companion web service It covers the ability to create an API from scratch and implement a comprehensive user database that will give you the opportunity to offer a mobile application with a personalized experience Midway through the book you will learn the basic processes to create a successful mobile application You will also gain higher level knowledge allowing you to develop a functional and secure mobile

application to ensure a seamless user experience for end users Finally the book ends with more advanced projects which will bring together all the knowledge and expertise developed in the previous chapters to create a practical and functional mobile application that has useful real world features Style and approach This book is an easy to follow guide that takes a step wise approach in giving expertise and knowledge to help you truly understand what is needed to create a memorable user experience for end users Each topic is placed in the context of the bigger picture that is to create cross platform mobile applications using existing technologies *Native Web Apps for Android* Maximiliano R. Firtman,2015 Create native web applications for Android devices using HTML CSS JavaScript and related technologies With this video course mobile and web developer Max Firtman shows you how to build apps for Android smartphones and tablets that you can distribute through the Google Play store and other marketplaces Learn how to use Android Studio emulators and other free tools to combine Java based Android development with standard web technologies By using HTML5 as the main platform you ll be able to design and develop your apps without having to learn much Java code Resource description page Creating Mobile Apps with Jquery Mobile - Second Edition Andy Matthews,2015-02-27 This book assumes a basic level of experience with standard web development If you ve used jQuery Mobile before you re good to go Otherwise you can pick it up along the way *Beginning iOS Application Development with HTML and JavaScript* Richard Wagner,2012-01-05 This book covers the various aspects of developing web based applications for iOS Over the past four years the iPhone and iPad have been amazingly successful Because of this success application developers are entering a world of sophisticated multifunctional mobile applications Now mobile web based applications can bring together web apps native apps multimedia video and audio and the mobile device itself By using this book you will learn how to create a mobile application from beginning to end utilizing open source frameworks to speed up development times emulate the look and feel of built in Apple applications capture finger touch interactions and optimize applications for Wi Fi and wireless networks The book introduces you to the web application platform for iOS It also guides you through the process of building new applications from scratch as well as migrating existing web applications to this new mobile platform By doing this the book helps readers design a user interface that is optimized for iOS touch screen displays and integrate their applications with iPhone services including Phone Mail Google Maps and GPS This book is aimed at beginning and intermediate web developers who want to learn how to build new applications for iOS or migrate existing web apps to this platform In general you will find it helpful if you have a working knowledge of these technologies HTML XHTML CSS JavaScript Ajax *React Native* Vladimir Novick,2017 **React Native - Building Mobile Apps with JavaScript** Vladimir Novick,2017-08-23 Your go to guide to creating truly native iOS and Android mobile applications using React and JavaScriptAbout This Book Build cross platform best seller native mobile applications in JavaScript with React Native framework Learn about real world examples like Whatsapp Instagram or Twitter Learn all steps in React Native application development workflow from prototyping to deployment Get familiar with various

mobile APIs covered in React Native framework and learn how to extend it further to non supported APIsWho This Book Is ForThis book is for JavaScript developers who want to learn how to create native mobile apps using React Native What You Will Learn Understand how React Native works under the hood and what makes it an ultimate choice for app development for lots of businesses Create real world native apps with complex animations and styles Get familiar with important iOS and Android native APIs and access them using React Native Learn authentication techniques and how to connect your app to a real data by using Firebase or your own server Get familiar with lots of community packages considered as industry standard Walk through the whole app development workflow by creating Twitter app clone from design to deployment Understand application release process to the Apple App Store and Google s Play StoreIn DetailThe emergence of React Native has made creating mobile apps in JavaScript easier for developers This book introduces you to the React Native framework and the mobile apps development process It starts with how React Native fits into the world of hybrid apps and why it s a popular framework You ll learn how React Native works under the hood compiling JavaScript to Native code to bridge JavaScript and native apps Also you ll learn how to write React Native components and use the ReactJS way of structuring your app Understand how to use the industry standard Redux architecture as well as MobX a newly emerging approach for state management making your apps more robust and scalable The mobile native world can be intimidating with lots of platform specific APIs In this book you ll learn about the most important APIs with help of the real world examples You ll also learn about the community packages that can help speed up your development The book explains how to use these packages with JavaScript code include native modules in your application and write the modules yourself Throughout the book you will see examples of WhatsApp Instagram and YouTube apps and learn how to recreate them You ll also learn debugging and testing techniques authentication dealing with real data and much more At the end we will walk through design to production process of Twitter app clone and will explain application release process to App Store and Play StoreStyle and approachThis book gives you a solid foundation in building apps with React Native from the basics to creating a fully functional Twitter clone With industry best practices plenty of code examples and complete projects to walk through   Learn by Example Damien O'Halloran,2018-06-24 Step by step guide and Beginner friendly HTML5 CSS3 JavaScript This book aims to take someone completely new to programming all the way from beginner to advanced The book starts by covering the basic syntax required to get up and running with web development and then moves onto advanced concepts and examples Each section takes the reader along in an intuitive and easy to follow step by step manner with clear color images and screenshots all the way from newbie to advanced Practical Examples and Assignments Each section contains practical examples and assignments that help the reader understand concepts and practice code Finally an easy way to make mobile apps Instead of learning Swift for ios and Java for Android just learn JavaScript and make apps for ALL platforms using Apache Cordova This book also covers everything you need to know in order to use JavaScript to design develop and deploy mobile apps Key

Topics Introduction to HTML CSS Basics Advanced CSS styling Introduction to JavaScript Data types Functions Callbacks The this keyword Get elements from the DOM Building your first mobile app Becoming an app developer Deploying your app to the Android and iTunes app stores Order Your Copy Today   *Web Development with jQuery* Richard York,2015-03-23 Newly revised and updated resource on jQuery s many features and advantages Web Development with jQuery offers a major update to the popular Beginning JavaScript and CSS Development with jQuery from 2009 More than half of the content is new or updated and reflects recent innovations with regard to mobile applications jQuery mobile and the spectrum of associated plugins Readers can expect thorough revisions with expanded coverage of events CSS AJAX animation and drag and drop New chapters bring developers up to date on popular features like jQuery UI navigation tables interactive capabilities and audio and video The book focuses on the new features of jQuery that improve performance and speed providing huge advantages over traditional JavaScript Offers new and revised content throughout the book which focuses on the most recent features and capabilities of jQuery Serves as an essential instructional tool for web developers with JavaScript and CSS knowledge who want to learn more Advises readers on how to best use jQuery s powerful easy to use features to create dynamic web pages and web applications This resource provides a deep understanding of jQuery and sets readers up for successful interactions with all it has to offer   **Professional Mobile Application Development** Jeff McWherter,Scott Gowell,2012-08-16 Create applications for all major smartphone platforms Creating applications for the myriad versions and varieties of mobile phone platforms on the market can be daunting to even the most seasoned developer This authoritative guide is written in such as way that it takes your existing skills and experience and uses that background as a solid foundation for developing applications that cross over between platforms thereby freeing you from having to learn a new platform from scratch each time Concise explanations walk you through the tools and patterns for developing for all the mobile platforms while detailed steps walk you through setting up your development environment for each platform Covers all the major options from native development to web application development Discusses major third party platform development acceleration tools such as Appcelerator and PhoneGap Zeroes in on topics such as developing applications for Android IOS Windows Phone 7 and Blackberry Professional Mobile Cross Platform Development shows you how to best exploit the growth in mobile platforms with a minimum of hassle   **Mastering JavaScript Single Page Application Development** Philip Klauzinski,John Moore,2016-10-28 An in depth guide to exploring the design architecture and techniques behind building sophisticated scalable and maintainable single page applications in JavaScript About This Book Build large scale feature complete SPAs by leveraging widely used tools and techniques Gain a solid understanding of architecture and SPA design to build applications using the library or framework of your choice Explore the various facets of SPA development to build web apps that are fast scalable and easy to test Who This Book Is For This book is ideal for JavaScript developers who want to build complex single page applications in JavaScript Some basic understanding of SPA

concepts will be helpful but not essential What You Will Learn Organize your development environment using the command line with NPM Bower and Grunt Choose an accurate design pattern for your app Understand modular JavaScript programming and Node js Interact with a REST API using JavaScript and AJAX with practical examples Build a single page application using the MEAN stack Connect your app across popular social media platforms such as Facebook Twitter and LinkedIn Test your app both on the server side and in views Prepare your app for the real world and deploy it to Heroku In Detail Single page web applications or SPAs as they are commonly referred to are quickly becoming the de facto standard for web app development The fact that a major part of the app runs inside a single web page makes it very interesting and appealing Also the accelerated growth of browser capabilities is pushing us closer to the day when all apps will run entirely in the browser This book will take your JavaScript development skills to the next level by teaching you to create a single page application within a full stack JavaScript environment Using only JavaScript you can go from being a front end developer to a full stack application developer with relative ease You will learn to cross the boundary from front end development to server side development through the use of JavaScript on both ends Use your existing knowledge of JavaScript by learning to manage a JSON document data store with MongoDB writing a JavaScript powered REST API with Node js and Express and designing a front end powered by AngularJS This book will teach you to leverage the MEAN stack to do everything from document database design routing REST web API requests data binding within views and adding authentication and security to building a full fledged complex single page web application In addition to building a full stack JavaScript app you will learn to test it with JavaScript powered testing tools such as Mocha Karma and Jasmine Finally you will learn about deployment and scaling so that you can launch your own apps into the real world Style and approach Following a structured approach this book helps readers gain expertise in SPA development Its thorough coverage of SPA architecture and design along with practical use cases provides readers with a clear path to building applications with the library of their choice For readers who are afraid to take the plunge straightaway the book also offers step by step guidance on developing a complex web app

   JavaScript for Modern Web Development Alok Sinha Ranjan, Abhilasha Battewad Ranjit,2020-04-28 Beginner to Expert in Web development with JavaScript From HTML to React Redux KEY FEATURES a Acquire web development skills to build independent applications a Understand the basics of HTML CSS JavaScript React and Reduxa Create build beautiful applications using HTML CSS JavaScript React and Reduxa Learn how to debug and unit test your applications properly to build good end productsa Follow best practices to write good quality code and build performant applicationsDESCRIPTION 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 Contents1 History of JS and how it has revolutionized web development2 HTML Creating Web Content 3 CSS Making content beautiful4 JavaScript Programming Making application Interactive5 Functional programming with JavaScript6 Object Oriented JavaScript7 Asynchronous Programming8 What s new in ES2019 JavaScript9 Building an application with JavaScript10 Debugging JavaScript Applications11 Unit test automation12 Build and Deploy an Application13 JavaScript Best Practices14 Introduction to React15 Building an application with React 16 State Management in React applications17 Debugging Testing and Deploying React applications18 What is next for becoming a pro About the AuthorsAlok Ranjan is a B Tech in Computer Science and Engineering from IIT Delhi After graduating in 2001 Alok worked with companies like Newgen Virtusa and Convergys before starting his entrepreneurial journey Abhilasha Sinha is BE Computer Science from Osmania University After completing her graduation in 2003 she started her career as a Software Engineer with Infosys She went on to become Senior Technology Architect in a long and fulfilling association of 12 years Ranjit Battewad has over 8 years of experience in full stack web and mobile application development Associated with WalkingTree Technologies since past over 8 years and playing the role of senior technical lead he has exposure to complex application architecture design and development

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