



Community Experience Distilled

# JavaScript Mobile Application Development

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

Hazem Saleh

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PUBLISHING community experience distilled

# Javascript Mobile Application Development Saleh Hazem

**AGENTA. MILLO**



## **Javascript Mobile Application Development Saleh Hazem:**

**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 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 apps 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's 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

**Test-Driven JavaScript Development** Ravi Kumar Gupta, Hetal Prajapati, Harmeet Singh, 2015-12-18 Learn JavaScript test driven development using popular frameworks and tools About This Book Learn the life cycle of TDD and its importance in real world application Gain knowledge about popular tools and analyze features syntax and how they help in JavaScript testing Implement test driven programming exercises using the practical code examples Who This Book Is For If you have an intermediate knowledge of HTML CSS and JavaScript and want to learn how and why the test driven development approach is better for your assignments then this book is for you What You Will Learn Basic TDD fundamentals life cycle and benefits Become acquainted with the concepts and elements of unit testing and writing basic unit tests for JavaScript Understand the way JsUnit QUnit Karma and DalekJS work Use the Jasmine framework Interpret feature detection and devise tests specific to cross browser compatibility Integrate jsTestDriver with Eclipse and run tests with jsTestDriver Explore refactoring adding and notifying observers Understand test driven development in case of server side JS In Detail Initially all processing used to happen on the server side and simple output was the response to web browsers Nowadays there are so many JavaScript frameworks and libraries created that help readers to create charts animations simulations and so on By the time a project finishes or reaches a stable state so much JavaScript code has already been written that changing and maintaining it further is tedious Here comes the importance of automated testing and more specifically developing all that code in a test driven environment Test driven development is a methodology that makes testing the central part of the design process before writing code developers decide upon the conditions that code must meet to pass a test The end goal is to help the readers understand the importance and process of using TDD as a part of development This book starts with the details about test driven development its importance need and benefits Later the book introduces popular tools and frameworks like YUI Karma QUnit DalekJS JsUnit and goes on to utilize Jasmine Mocha Karma for advanced concepts like feature detection server side testing and patterns We are going to understand write and run tests and further debug our programs The book concludes with best practices in JavaScript testing By the end of the book the readers will know why they should test how to do it most efficiently and will have a number of versatile tests and methods for devising new tests to get to

work immediately Style and approach Easy to follow guide with suitable examples for developing JavaScript code in the test Driven environment with popular tools and frameworks User experience and statements are also included to help readers make a better choice of tool for real world projects

**JavaScript Projects for Kids** Syed Omar Faruk Towaha,2016-01-30 Gear up for a roller coaster ride into the world of JavaScript and programming with this easy to follow fun and entertaining project based guide About This Book Get to know the concepts of HTML and CSS to work with JavaScript Explore the concepts of object oriented programming Follow this step by step guide on the fundamentals of JavaScript programming Who This Book Is For If you ve never written code before or you are completely new to the world of web programming then this book is the right choice for you This book is for kids of age 10 years and above and parents who are completely new to the world of programming and want to get introduced to programming What You Will Learn Learn how to work with Google Developer tools to iterate debug and profile your code Develop a Battleship game using the basic concepts of HTML and CSS Get to know the fundamentals of JavaScript programming Create our own version of Pac Man game Discover the vital concepts of object oriented programming In Detail JavaScript is the most widely used programming language for web development and that s not all It has evolved over the years and is now being implemented in an array of environments from websites to robotics Learning JavaScript will help you see the broader picture of web development This book will take your imagination to new heights by teaching you how to work with JavaScript from scratch It will introduce you to HTML and CSS to enhance the appearance of your applications You ll then use your skills to build on a cool Battleship game From there the book will introduce you to jQuery and show you how you can manipulate the DOM You ll get to play with some cool stuff using Canvas and will learn how to make use of Canvas to build a game on the lines of Pacman only a whole lot cooler Finally it will show you a few tricks with OOP to make your code clean and will end with a few road maps on areas you can explore further Style and approach This is an easy to follow informative and fun guide that takes a project based approach to teaching programming in JavaScript You will learn everything you need to get started with serious web application development

**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

**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 *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

**Programming HTML5 Applications** Zachary Kessin,2011-11-10 HTML5 is not just a replacement for plugins It also makes the Web a first class development environment by giving JavaScript programmers a solid foundation for building industrial strength applications This practical guide takes you beyond simple site creation and shows you how to build self contained HTML5 applications that can run on mobile devices and compete with desktop apps You ll 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 Store session data in the browser with local storage objects Save trips to the server store larger amounts of data with IndexedDB Give browsers limited access to a user s system to read and upload files Take your app offline and speed up page loading when it s online Use Web Workers to create multithreaded applications Transfer data between browser and server

more efficiently with Web Sockets Learn about HTML5 tags for forms multimedia graphics and geolocation HTML5 is all the rage these days but it s more than just a buzzword Programming HTML5 Applications provides the knowledge to guide you through all the new technologies needed to make modern web applications Ralph Whitbeck cohost of The Official jQuery Podcast [Beginning Smartphone Web Development](#) Gail Frederick,Rajesh Lal,2010-04-15 Today s Web 2 0 applications think Facebook and Twitter go far beyond the confines of the desktop and are widely used on mobile devices The mobile Web has become incredibly popular given the success of the iPhone and BlackBerry the importance of Windows Mobile and the emergence of Palm Pre and its webOS platform At Apress we are fortunate to have Gail Frederick of the well known training site Learn the Mobile Web offer her expert advice in Beginning Smartphone Web Development In this book Gail teaches the web standards and fundamentals specific to smartphones and other feature driven mobile phones and devices Shows you how to build interactive mobile web sites using web technologies optimized for browsers in smartphones Details markup fundamentals design principles content adaptation usability and interoperability Explores cross platform standards and best practices for the mobile Web authored by the W3C dotMobi and similar organizations Dives deeps into the feature sets of the most popular mobile browsers including WebKit Chrome Palm Pre webOS Pocket IE Opera Mobile and Skyfire By the end of this book you ll have the training tools and techniques for creating robust mobile web experiences on any of these platforms for your favorite smartphone or other mobile device *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

**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

**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 applications

**DESCRIPTION** 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

*Modern JavaScript Web Development Cookbook* Federico Kereki,2018-12-26 Over 90 recipes to help you write clean code solve common JavaScript problems and work on popular use cases like SPAs microservices native mobile development with Node React React Native and Electron Key FeaturesOver 90 practical recipes to help you write clean and maintainable JavaScript codes with the latest ES8Leverage the power of leading web frameworks like Node and React to build modern web appsFeatures comprehensive coverage of tools and techniques needed to create multi platform apps with JavaScriptBook Description JavaScript has evolved into a language that you can use on any platform Modern JavaScript Web Development Cookbook is a perfect blend of solutions for traditional JavaScript development and modern areas that developers have lately been exploring with JavaScript This comprehensive guide teaches you how to work with JavaScript on servers browsers mobile phones and desktops You will start by exploring the new features of ES8 You will then move on to learning the use of ES8 on servers with Node js with the objective of producing services and microservices and dealing with

authentication and CORS Once you get accustomed to ES8 you will learn to apply it to browsers using frameworks such as React and Redux which interact through Ajax with services You will then understand the use of a modern framework to develop the UI In addition to this development for mobile devices with React Native will walk you through the benefits of creating native apps both for Android and iOS Finally you ll be able to apply your new found knowledge of server side and client side tools to develop applications with Electron What you will learn Use the latest features of ES8 and learn new ways to code with JavaScript Develop server side services and microservices with Node js Learn to do unit testing and to debug your code Build client side web applications using React and Redux Create native mobile applications for Android and iOS with React Native Write desktop applications with Electron Who this book is for This book is for developers who want to explore the latest JavaScript features frameworks and tools for building complete mobile desktop and web apps including server and client side code You are expected to have working knowledge of JavaScript to get the most out of this book

*Beginning Android Web Apps Development* Jon Westfall, Rocco Augusto, Grant Allen, 2012-06-12 With *Beginning Android Web Apps Development* you ll learn how to apply HTML5 CSS3 JavaScript Ajax and other Web standards for use on the Android mobile platform by building a variety of fun and visually stimulating games and other web applications If you ve done some basic web development and you want to build your skills to create exceptional web apps you ll find everything you seek in the discussions and examples in this book Each application you ll build in *Beginning Android Web Application Development* will show you solutions that you can apply to many of your own projects Each example shares techniques and coding solutions that will inspire your own work You ll learn how to tie your Android apps into Twitter through two apps that you ll build Who s that Tweet a quiz game based on celebrity accounts and I Love Ham a coding investigation into search phrases and rhyming Your Android web app development skills will then proceed in another direction as you discover the power of HTML5 in two game apps Scavenger Hunt which introduces you to the HTML5 GPS location API and Spies a location based application that shows you how to use CSS3 Ajax and HTML5 within multi player environments You ll also create an Android web application which checks the arrival time of buses and light rails through the use of Portland Oregon s open Tri Met data API This app is a great template for other apps you may want to build in the future and showcases the important techniques for incorporating cloud based apps into web games After reading *Beginning Android Web Apps Development* you will have built real apps and developed along the way the skills you ll need to create highly interactive professional web applications and your journey will be engaging and enjoyable

**Learning Node.js for Mobile Application Development** Stefan Buttigieg, Christopher Svanefalk, 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

### 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 *Building Mobile Apps with HTML, CSS, and JavaScript* Jonathan Stark,2015 Serving customers a substandard website experience on their mobile devices costs you sales hurts your brand and turns your customers away In this video workshop mobile strategy consultant Jonathan Stark shows your in house web team how to use the HTML CSS and JavaScript skills they already have to build killer mobile websites and apps Many companies opt to learn native mobile technologies instead but familiar web tools let you design sites that work on multiple devices and help you build apps that can access native mobile device APIs Your team already possesses 90% of the knowledge and skills they need to get started This workshop will help them gain confidence that comes from direct experience Resource description page

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