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Autore	Holmes Ethan
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Nota di contenuto	Cover ; Copyright; Credits; About the Authors; About the Reviewer; www.PacktPub.com; Table of Contents; Preface; Chapter 1: Exploring the Sample Application ; Installing Xcode; Running the sample application; A sneak peek at the sample application; Experimenting with the sample application; Summary; Chapter 2: Understanding React Native Fundamentals ; The Virtual DOM; Components; Creating your first component; JSX; Back to our first component; Props and state; Props; State; Summary; Chapter 3: Beginning the Example Application ; Generating the Projects; Xcode and the iOS simulator Android SDK and emulatorModifying the React Native starter template; Structuring the application; Creating the SimpleButton component; Navigation; The Navigator Component; Navigator.NavigationBar; The NoteScreen, first pass; Summary; Chapter 4: Working with Styles and Layout ; React CSS; Style Sheet; Styling the SimpleButton component; Layout and Flexbox; Flex container; Flex items; Horizontal and vertical centering; Absolute positioning; Styling the NavigationBar component; Changing the Android Material Theme; Styling the NotesScreen; Summary; Chapter 5: Displaying and Saving Data ; Lists Understanding propsUsing state; Passing callbacks in props; Creating new notes; Using AsyncStorage; Deleting notes; Summary; Chapter 6: Working with Geolocation and Maps ; Introducing the Geolocation API; The location permission in iOS; Tagging notes with geolocation;

NoteLocationScreen; MapView; Summary; Chapter 7: Integrating Native Modules ; Adding images to notes; Installing react-native-camera on iOS; Searching for Native Modules; Using the camera component; Viewing images; The Image component; Deleting images; Connecting the final pieces; Summary; Chapter 8 : Releasing the Application Generating the static bundle in iOSTesting the static bundle in iOS; Creating an iOS release in Xcode; Generating the Android APK; Summary; Index

Sommario/riassunto

Learn to build modern native iOS and Android applications using JavaScript and the incredible power of React About This Book Learn to design and build a fully-featured application using the newest cutting-edge framework from Facebook Leverage your JavaScript skills to become a native app developer Develop custom UI components, implement smooth navigation, and access native features such as geolocation and local storage Who This Book Is For This book is for web developers who want to learn to build fast, good-looking, native mobile applications using the skills they already have. If you already have some JavaScript knowledge or are using React on the web, then you will be able to quickly get up and running with React Native for iOS and Android. What You Will Learn Set up the React Native environment on both devices and emulators Gain an in-depth understanding of how React Native works behind the scenes Write your own custom native UI components Learn the ins and outs of screen navigation Master the art of layout and styles Work with device-exclusive data such as geolocation Develop native modules in Objective-C and Java that interact with JavaScript Test and deploy your application for a production-ready environment In Detail React Native is a game-changing approach to hybrid mobile development. Web developers can leverage their existing skills to write mobile applications in JavaScript that are truly native without using cross-compilation or web views. These applications have all of the advantages of those written in Objective-C or Java, combined with the rapid development cycle that JavaScript developers are accustomed to. Web developers who want to develop native mobile applications face a high barrier to entry, because they are forced to learn platform-specific languages and frameworks. Numerous hybrid technologies have tried to simplify this process, but have failed to achieve the performance and appearance that users expect. This book will show you all the advantages of true native development that React Native has without the steep learning curve, leveraging the knowledge you already have. We do this by getting you up and running quickly with a sample application. Next, we'll introduce you to the fundamentals of creating components and explain how React Native works under the hood. Once you have established a solid foundation, you will dive headfirst into developing a real-world application from start to finish. Along the way, we will de...

2. Record Nr.	UNINA9910580215303321
Autore	Douligeris Christos
Titolo	Challenges and Opportunities in Applied System Innovation
Pubbl/distr/stampa	Basel, : MDPI - Multidisciplinary Digital Publishing Institute, 2022
Descrizione fisica	1 online resource (230 p.)
Soggetti	Environmental science, engineering and technology Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This book introduces and provides solutions to a variety of problems faced by society, companies and individuals in a quickly changing and technology-dependent world. The wide acceptance of artificial intelligence, the upcoming fourth industrial revolution and newly designed 6G technologies are seen as the main enablers and game changers in this environment. The book considers these issues not only from a technological viewpoint but also on how society, labor and the economy are affected, leading to a circular economy that affects the way people design, function and deploy complex systems.