



# JavaScript Mobile Application Development

*By Hazem Saleh*

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**JavaScript Mobile Application Development** By Hazem Saleh

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

## About This Book

- Configure your Android, iOS, and Window Phone 8 development environments.
- Extend the power of Apache Cordova by creating your own Apache Cordova cross-platform mobile plugins.
- Enhance the quality and the robustness of your Apache Cordova mobile application by unit testing its logic using Jasmine.

## Who This Book Is For

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.

## 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 run on Apple iOS, Google Android, and Windows Phone
- Access the device's native functions by utilizing the Apache Cordova APIs
- Create a neat user interface for your mobile application using jQuery Mobile
- Increase the quality and robustness of your mobile applications by developing unit tests for their logic
- Design, develop, and automate tests for your mobile application using Jasmine, Karma, and Jenkins CI
- Extend the power of Apache Cordova by creating your own Apache Cordova cross-platform mobile plugins

- Explore some of the differences between the mobile platforms and learn how to handle these differences in a maintainable way

## In Detail

Whether you are developing a mobile app for iPad or on a Windows Phone, you need to learn the specific languages and technologies for that device. This is where Apache Cordova shines.

This book is the learning resource to use when you want to efficiently develop your own mobile applications using Apache Cordova as the platform for your HTML, CSS, and JavaScript. In order to develop good-looking mobile applications, this book also utilizes jQuery Mobile. jQuery Mobile is one of the best available frameworks for developing mobile-friendly web applications.

After finishing this book, you should be able to develop your very own mobile application on different mobile platforms using only JavaScript, without having to learn the native programming languages of every mobile platform.

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About the Author

#### **Hazem Saleh**

Hazem Saleh has 10 years of experience in Java EE, mobile, and open source technologies. He has worked as a technical consultant for many clients in Europe (Sweden), North America (USA and Canada), South America (Peru), Africa (Egypt, Morocco, and Zambia), and Asia (Qatar, Kuwait, and KSA). He is an Apache committer and a person who has spent many years of his life writing open source software. Besides being the author of JavaScript Unit Testing, Packt Publishing, and Pro JSF and HTML5: Building Rich Internet Components, Apress, and the co-author of The Definitive Guide to Apache MyFaces and Facelets, Apress, he has also authored many technical articles. He is also a contributing author recognized by developerWorks and a technical speaker at both local and international conferences such as ApacheCon in North America, GeeCon, JSFDays, CONFESS in Vienna, and JavaOne in San Francisco, Moscow, and Shanghai. Hazem is now working for IBM Egypt as an advisory software engineer. He is a member of the IBM Mobile Global Center of Competency (CoC) and an IBM Certified Expert IT specialist (L2).

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