



Android: Programming for Developers

By John Horton, Helder Vasconcelos, Raul Portales



Android: Programming for Developers By John Horton, Helder Vasconcelos, Raul Portales

Develop your own responsive, reactive, and ready-to-deploy Android applications

About This Book

- Kick-start your Android programming career or just have fun publishing apps to the Google Play marketplace
- Explore the high-level Android asynchronous constructs available on the Android SDK
- Learn the internals of a game engine by building one

Who This Book Is For

If you are an iOS developer or any other developer/programmer and you want to try your hands on developing applications on the Android platform, this course is for you. No prior programming experience is needed as this course will guide you right from the beginning to the advanced concepts of Android programming.

What You Will Learn

- Mastering the fundamentals of coding Java for Android
- Installing and setting up your Android development environment
- Building functional user interfaces with the Android Studio visual designer
- Adding user interaction, data captures, sound, and animation to your apps
- Managing your apps' data using the built-in Android SQLite database
- Getting familiar with the android process model and low-level concurrent constructs delivered by the Android SDK
- Interacting with nearby devices over Bluetooth and WiFi communications channels
- Creating and composing tasks with RxJava to execute complex asynchronous work in a predictable way
- Handling user inputs, from virtual joysticks to gamepads
- Implementing collision detection using different techniques and discover how to optimize it for complex games
- Building, deploying, and publishing real Android applications to the Google

Play marketplace

In Detail

Android is the most popular OS in the world. There are millions of devices accessing tens of thousands of applications. It is many people's entry point into the world of technology. The Android: Programming for Developers course will take you on a journey to become an efficient Android programmer by thoroughly understanding the key concepts of Android programming and develop market-ready applications.

The course begins with helping you create Android applications from scratch. The first module, Android Programming for Beginners, introduces you to all the fundamental concepts of programming in an Android context, from the Java basics to working with the Android API. At the completion of this module, you'll be ready to start building your own custom applications in Android and Java.

After getting familiar with the basic programming concepts, the second module, Asynchronous Android Programming, shows you how to make your applications more reliable. This will be achieved using high-level and advanced asynchronous techniques and concepts. Through this module, you will learn to construct scalable and performant applications to take advantage of multi-thread asynchronous techniques.

With a good grasp on the basics, you move on the final module, Mastering Android Game Development. This progressive module will help you learn to use animations and particle systems to provide a rich experience. By the end of the course, you will create beautiful, responsive, and reusable UIs by taking advantage of the Android SDK.

Style and approach

The comprehensive course will run you through the basic concepts for newbies, move on to the UI design, teach you game development on Android, and finally make you proficient in application development on Android. Each of these aspects has been covered in individual modules to help you develop your skills after the completion of a module and get ready for the next.

 [Download Android: Programming for Developers ...pdf](#)

 [Read Online Android: Programming for Developers ...pdf](#)

Android: Programming for Developers

By John Horton, Helder Vasconcelos, Raul Portales

Android: Programming for Developers By John Horton, Helder Vasconcelos, Raul Portales

Develop your own responsive, reactive, and ready-to-deploy Android applications

About This Book

- Kick-start your Android programming career or just have fun publishing apps to the Google Play marketplace
- Explore the high-level Android asynchronous constructs available on the Android SDK
- Learn the internals of a game engine by building one

Who This Book Is For

If you are an iOS developer or any other developer/programmer and you want to try your hands on developing applications on the Android platform, this course is for you. No prior programming experience is needed as this course will guide you right from the beginning to the advanced concepts of Android programming.

What You Will Learn

- Mastering the fundamentals of coding Java for Android
- Installing and setting up your Android development environment
- Building functional user interfaces with the Android Studio visual designer
- Adding user interaction, data captures, sound, and animation to your apps
- Managing your apps' data using the built-in Android SQLite database
- Getting familiar with the android process model and low-level concurrent constructs delivered by the Android SDK
- Interacting with nearby devices over Bluetooth and WiFi communications channels
- Creating and composing tasks with RxJava to execute complex asynchronous work in a predictable way
- Handling user inputs, from virtual joysticks to gamepads
- Implementing collision detection using different techniques and discover how to optimize it for complex games
- Building, deploying, and publishing real Android applications to the Google Play marketplace

In Detail

Android is the most popular OS in the world. There are millions of devices accessing tens of thousands of applications. It is many people's entry point into the world of technology. The Android: Programming for Developers course will take you on a journey to become an efficient Android programmer by thoroughly understanding the key concepts of Android programming and develop market-ready applications.

The course begins with helping you create Android applications from scratch. The first module, Android Programming for Beginners, introduces you to all the fundamental concepts of programming in an Android

context, from the Java basics to working with the Android API. At the completion of this module, you'll be ready to start building your own custom applications in Android and Java.

After getting familiar with the basic programming concepts, the second module, Asynchronous Android Programming, shows you how to make your applications more reliable. This will be achieved using high-level and advanced asynchronous techniques and concepts. Through this module, you will learn to construct scalable and performant applications to take advantage of multi-thread asynchronous techniques.

With a good grasp on the basics, you move on to the final module, Mastering Android Game Development. This progressive module will help you learn to use animations and particle systems to provide a rich experience. By the end of the course, you will create beautiful, responsive, and reusable UIs by taking advantage of the Android SDK.

Style and approach

The comprehensive course will run you through the basic concepts for newbies, move on to the UI design, teach you game development on Android, and finally make you proficient in application development on Android. Each of these aspects has been covered in individual modules to help you develop your skills after the completion of a module and get ready for the next.

Android: Programming for Developers By John Horton, Helder Vasconcelos, Raul Portales Bibliography

- Rank: #1101001 in eBooks
- Published on: 2016-08-31
- Released on: 2016-08-31
- Format: Kindle eBook

 [Download Android: Programming for Developers ...pdf](#)

 [Read Online Android: Programming for Developers ...pdf](#)

Download and Read Free Online Android: Programming for Developers By John Horton, Helder Vasconcelos, Raul Portales

Editorial Review

Users Review

From reader reviews:

Lisa McCann:

The book Android: Programming for Developers make you feel enjoy for your spare time. You should use to make your capable much more increase. Book can to get your best friend when you getting pressure or having big problem using your subject. If you can make reading through a book Android: Programming for Developers for being your habit, you can get far more advantages, like add your own personal capable, increase your knowledge about some or all subjects. You could know everything if you like start and read a publication Android: Programming for Developers. Kinds of book are a lot of. It means that, science e-book or encyclopedia or some others. So , how do you think about this reserve?

Esther Watson:

This Android: Programming for Developers book is absolutely not ordinary book, you have it then the world is in your hands. The benefit you will get by reading this book will be information inside this reserve incredible fresh, you will get facts which is getting deeper a person read a lot of information you will get. This kind of Android: Programming for Developers without we know teach the one who examining it become critical in contemplating and analyzing. Don't possibly be worry Android: Programming for Developers can bring when you are and not make your case space or bookshelves' come to be full because you can have it within your lovely laptop even telephone. This Android: Programming for Developers having fine arrangement in word and layout, so you will not feel uninterested in reading.

Eileen Williams:

The publication with title Android: Programming for Developers has lot of information that you can study it. You can get a lot of help after read this book. This specific book exist new understanding the information that exist in this e-book represented the condition of the world currently. That is important to yo7u to know how the improvement of the world. This specific book will bring you throughout new era of the internationalization. You can read the e-book on your own smart phone, so you can read it anywhere you want.

Sarah Heath:

Playing with family in a park, coming to see the sea world or hanging out with buddies is thing that usually you could have done when you have spare time, after that why you don't try point that really opposite from that. 1 activity that make you not experiencing tired but still relaxing, trilling like on roller coaster you have

been ride on and with addition of knowledge. Even you love Android: Programming for Developers, you may enjoy both. It is great combination right, you still want to miss it? What kind of hang-out type is it? Oh come on its mind hangout men. What? Still don't get it, oh come on its named reading friends.

**Download and Read Online Android: Programming for Developers
By John Horton, Helder Vasconcelos, Raul Portales
#IGA0US72LXE**

Read Android: Programming for Developers By John Horton, Helder Vasconcelos, Raul Portales for online ebook

Android: Programming for Developers By John Horton, Helder Vasconcelos, Raul Portales Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Android: Programming for Developers By John Horton, Helder Vasconcelos, Raul Portales books to read online.

Online Android: Programming for Developers By John Horton, Helder Vasconcelos, Raul Portales ebook PDF download

Android: Programming for Developers By John Horton, Helder Vasconcelos, Raul Portales Doc

Android: Programming for Developers By John Horton, Helder Vasconcelos, Raul Portales Mobipocket

Android: Programming for Developers By John Horton, Helder Vasconcelos, Raul Portales EPub