Learning Android Application Programming: A Hands-On Guide to Building Android Applications

James Talbot, Justin McLean

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 Learning Android™ Application Programming   **will help you master modern Android programming by building a fully functional app from the ground up. Working with the Android 4.3 toolset, you'll solve real-world problems faced by every Android developer and learn best practices for success with any mobile development project.**

Ideal for developers who have little or no Android experience but have basic Java experience, this tutorial teaches through carefully structured exercises that address the entire development process. Leading Android developers James Talbot and Justin McLean guide you through building a real biking mobile app that can handle everything from mileage tracking to route planning. Each chapter builds your knowledge, step-by-step, and in the end you will have a complete, working app.

Along the way, you'll gain hands-on experience with writing code that can run on the widest spectrum of devices while still leveraging Android's newest features. You'll also discover proven solutions for the occasionally messy realities of Android development, from inaccurate sensor data to inadequate device battery life–pitfalls that most other Android books ignore.

Learn how to

• Set up your Android development environment on Windows or Mac operating systems
• Quickly create a simple, working app that demonstrates basic Android principles
• Master core building blocks, such as Activities, Intents, Services, and Resources
• Build a functional user interface, and then make it more intuitive and usable
• Professionally style your Android app
• Make your app location-aware
• Integrate social networking features
• Build highly efficient threaded apps
• Integrate database support to read and write data
• Make your app run faster, while using less memory and power
• Efficiently test and debug your app
• Easily internationalize your app for multiple countries and languages
• Sell your app through Google Play and the Amazon AppStore

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