

AND301 – 1-Day Advanced Android - Developing Secure Android Apps



Security is one of the major concerns of any mobile applications developers. In the case of Android, the openness of Android comes with a price, and this price is that of security. In this course, you will learn how to secure your apps so that the data is not exposed to unauthorized users and apps. You will also learn how to protect your apps on the Google Play so that you do not become a victim of software piracy.

Topics

- Understanding Application Isolation
- Preventing your Activities from being called by other apps
- Defining your own permissions
- Implementing Hashing
- Implementing Encryption and Decryption
 - Using AES for symmetric encryption/decryption
 - Using RSA for asymmetric encryption/decryption
- Saving data in Internal Storage vs. SD Card
- Specifying Separate Read and Write Permissions for Content Providers
- Preventing SQL Injection
- Communicating with Web Services Securely
- Preventing your Apps from Piracy using Google Play Licensing
- Using the KeyChain API



Prerequisites

- Attended the **Fundamentals of Android Programming using Android Studio** course

Hardware

- Windows / Mac computer
- *Android devices (recommended)*

Software

- Android Studio



About Wei-Meng Lee

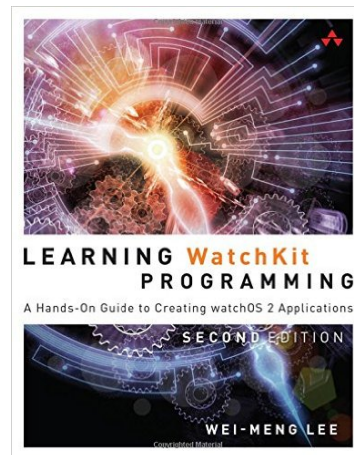
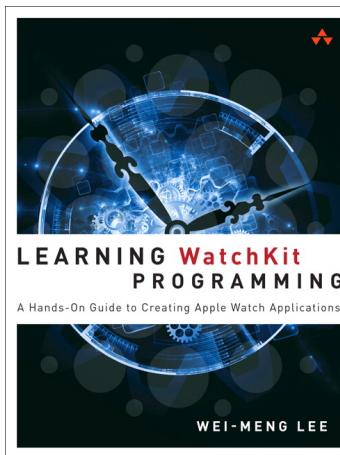
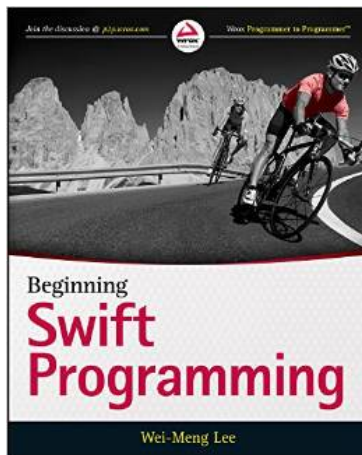
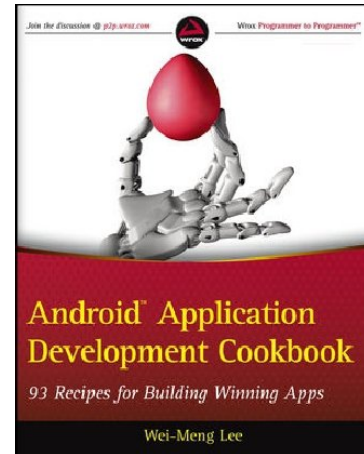
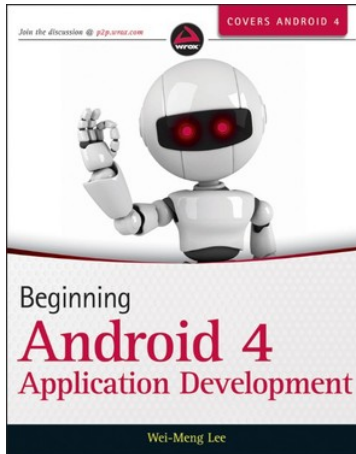
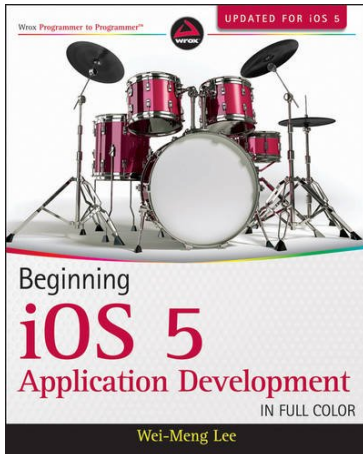


Wei-Meng Lee is a technologist and founder of Developer Learning Solutions (<http://www.learn2develop.net>), a technology company specializing in hands-on training on the latest mobile technologies. Wei-Meng has many years of training experiences and his training courses place special emphasis on the learning-by-doing approach. His hands-on approach to learning programming makes understanding the subject much easier than reading books, tutorials, and documentations. His name regularly appears in online and print publications such as DevX.com, MobiForge.com, and CoDe Magazine.

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- Republic Polytechnic
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- Singapore Management University (SMU)
- Singapore Polytechnic
- Singapore Pools
- Singapore Press Holdings
- Temasek Polytechnic
- Walt Disney
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Books by Wei-Meng Lee





Course Application Form

Please email a signed copy to weimenglee@learn2develop.net

Billing Information

Name					
Designation					
Company					
Mailing Address					
Office Tel		Mobile		Fax	
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Course Title: _____ Date: _____

Participant Information	Amount
Name: Email:	S\$
Name: Email:	S\$
Grand Total S\$	

Important Note

- Developer Learning Solutions reserves the right to cancel or reschedule the course.
- You can withdraw from the course provided you inform us **one (1) month** in advance before the commencement of the class. There will be no refund after this period and the full course fee will be billed.
- **No-show policy: If a participant did not turn up for the course he signed up for, he will be billed 100% of the course fee. In the event of medical leave, a substitution would be allowed**

I understand that participants have to bring their notebook computer for the course (for iOS related courses, the notebook must be a Mac).

Authorized Signature & Company Stamp

Name & Designation

Date