Developing Environment Setting Up

Note: the following screenshots or address, for reference only, the actual shall prevail

一. Summary

System requirement

○ Windows XP (32-bit), Vista (32- or 64-bit), or Windows 7 (32- or 64-bit)

○ Mac OS X 10.5.8 or later (x86 only)

○ Linux (tested on Ubuntu Linux, Lucid Lynx)

❖ GNU C Library (glibc) 2.7 or later is required.
❖ On Ubuntu Linux, version 8.04 or later is required.
❖ 64-bit distributions must be capable of running 32-bit applications.

Printing-supported Interfaces

Bluetooth, Wireless(WIFI), RS232(Customized Development)

Development Language

JAVA

Development Tools

❖ JDK
❖ Android SDK ADT Bundle for windows
❖ REGO android SDK

Development Resources

Android Development Official Website http://developer.android.com/index.html
Android Development Tools Download http://developer.android.com/sdk/index.html
USB Driver http://developer.android.com/sdk/oem-usb.html

二. Contents

I.Download/Install JDK

http://www.oracle.com/technetwork/java/javase/downloads/index.html

II.Install Android SDK

http://developer.android.com/sdk/index.html

1. Android SDK ADT Bundle for windows

ADT Bundle

Platform	Package	Size	MD5 Checksum
Windows 32-bit	adt-bundle-windows-x86-20130219.zip	425487608 bytes	4a40039f28048e6d7b2440adf55b8321
Windows 64-bit	adt-bundle-windows-x86_64-20130219.zip	425611626 bytes	891f79816b4d19042faab26d670f4f77
Mac OS X 64-bit	adt-bundle-mac-x86_64-20130219.zip	390697025 bytes	b768c28f380c1846479664c4790e9c53
Linux 32-bit	adt-bundle-linux-x86-20130219.zip	418664018 bytes	e56ebb5c8eb84eb3227cf7c255373f4b
Linux 64-bit	adt-bundle-linux-x86_64-20130219.zip	418939098 bytes	90cb420934170787938d0477c1a83a7f

2. Android SDK ADT Bundle for Linux

ADT Bundle

Platform	Package	Size	MD5 Checksum
Windows 32-bit	adt-bundle-windows-x86-20130219.zip	425487608 bytes	4a40039f28048e6d7b2440adf55b8321
Windows 64-bit	adt-bundle-windows-x86_64-20130219.zip	425611626 bytes	891f79816b4d19042faab26d670f4f77
Mac OS X 64-bit	adt-bundle-mac-x86_64-20130219.zip	390697025 bytes	b768c28f380c1846479664c4790e9c53
Linux 32-bit	adt-bundle-linux-x86-20130219.zip	418664018 bytes	e56ebb5c8eb84eb3227cf7c255373f4b
Linux 64-bit	adt-bundle-linux-x86_64-20130219.zip	418939098 bytes	90cb420934170787938d0477c1a83a7f

3. Android SDK ADT Bundle for Mac OS X

ADT Bundle

| Platform	Package	Size	MD5 Checksum
Windows 32-bit	adt-bundle-windows-x86-20130219.zip	425487608 bytes	4a40039f28048e6d7b2440adf55b8321
Windows 64-bit	adt-bundle-windows-x86_64-20130219.zip	425611626 bytes	891f79816b4d19042faab26d670f4f77
Mac OS X 64-bit	adt-bundle-mac-x86_64-20130219.zip	390697025 bytes	b768c28f380c1846479664c4790e9c53
Linux 32-bit	adt-bundle-linux-x86-20130219.zip	418664018 bytes	e56ebb5c8eb84eb3227cf7c255373f4b
Linux 64-bit	adt-bundle-linux-x86_64-20130219.zip	418939098 bytes	90cb420934170787938d0477c1a83a7f

4. Unzip the files

Extract to the specified directory, and simply double click the executable program as the following pic showing:

名称	修改日期
configuration	2013/4/23 18:56
dropins	2012/12/5 19:06
features	2012/12/5 19:06
jre	2012/12/26 13:17
p2	2012/12/5 19:05
plugins	2012/12/5 19:06
readme	2012/12/5 19:06
.eclipseproduct	2012/6/8 5:21
artifacts.xml	2012/12/5 19:06
eclipse.exe	2012/6/8 5:52
eclipse.ini	2012/12/5 19:08
eclipsec.exe	2012/6/8 5:52
epl-v10.html	2012/6/8 5:21
notice.html	2012/6/8 5:21

5. Operating Software

Double click eclipse.exe. After starting the program correctly, click the red icon under the toolbar to start Android SDK Manager
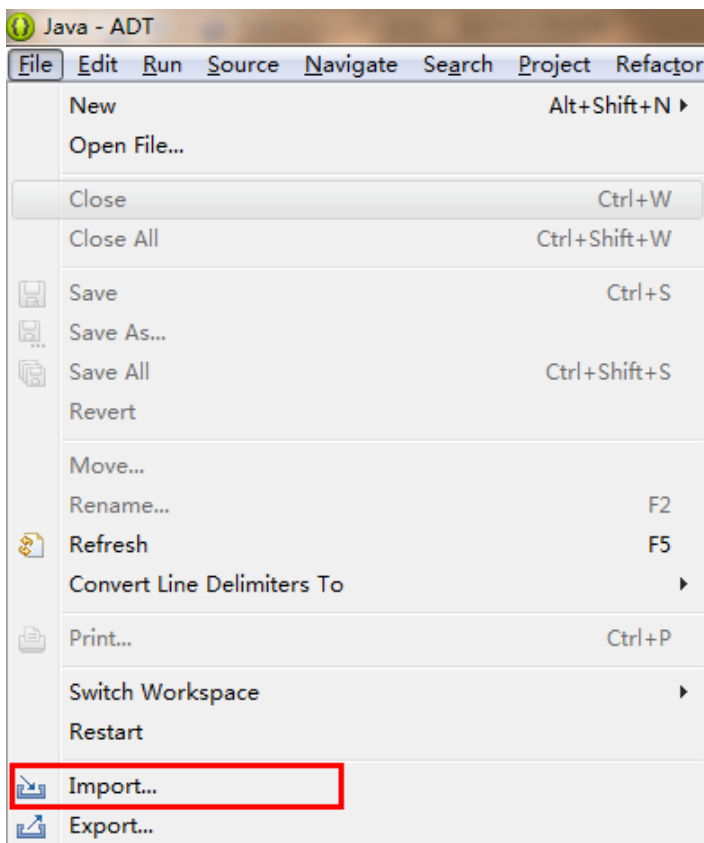
Java - ADT

File   Edit   Run   Source   Navigate   Search   Project   Refactor   Window   Help
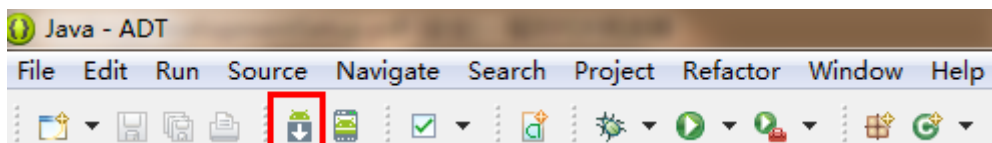
6.Android SDK Manager will start as following pic showing. Select the related SDK version with" √ ", then click the button in red frame.
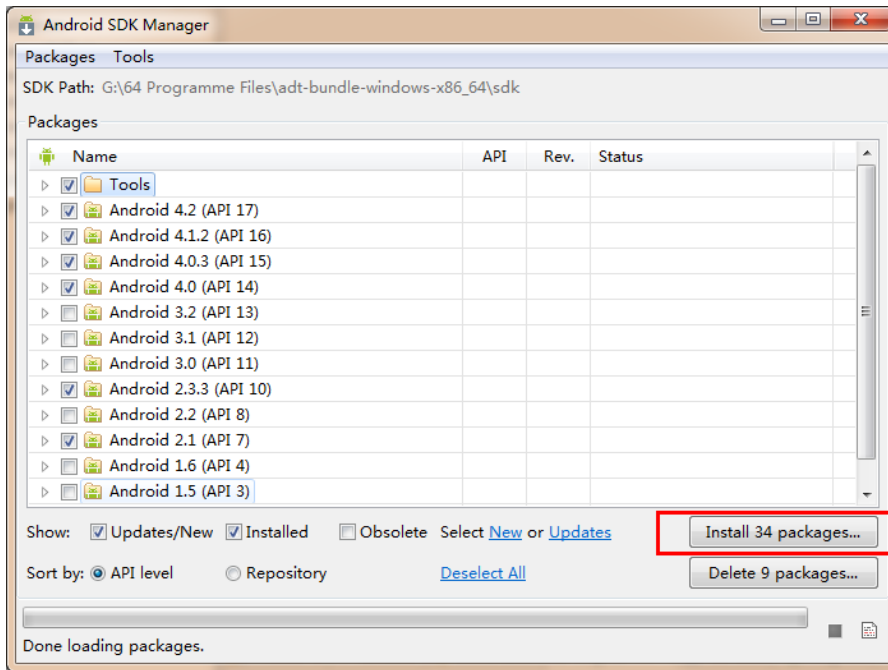
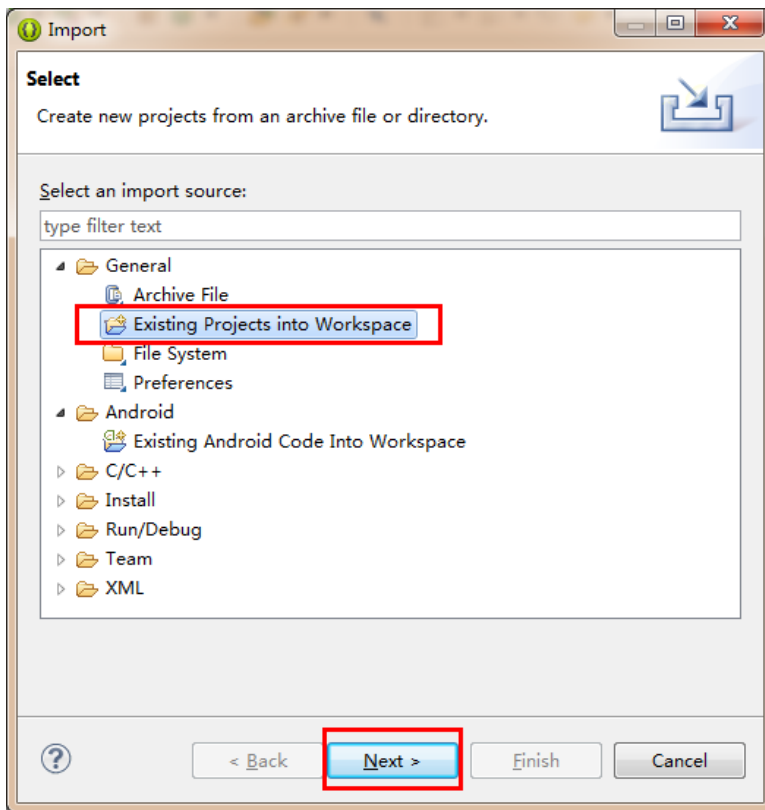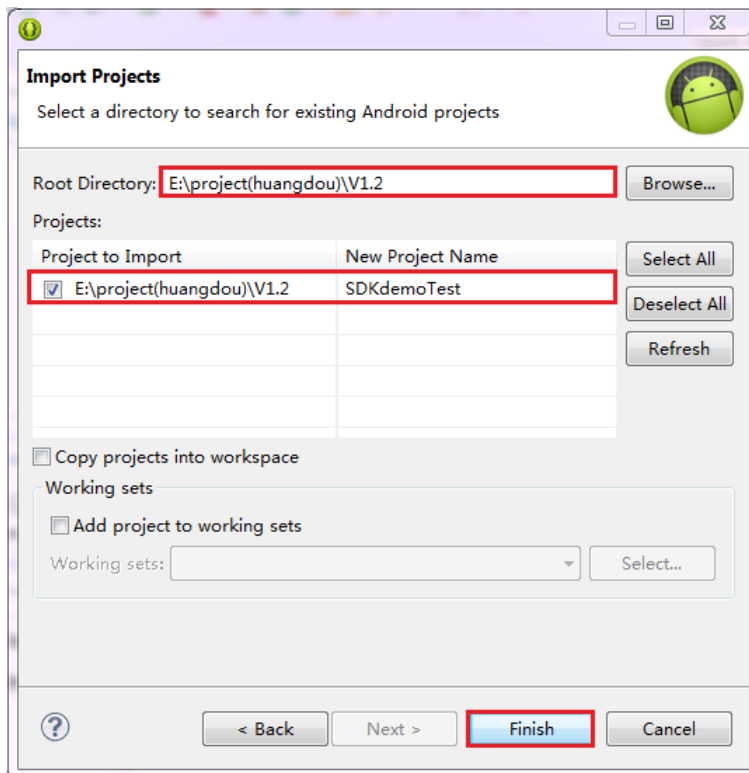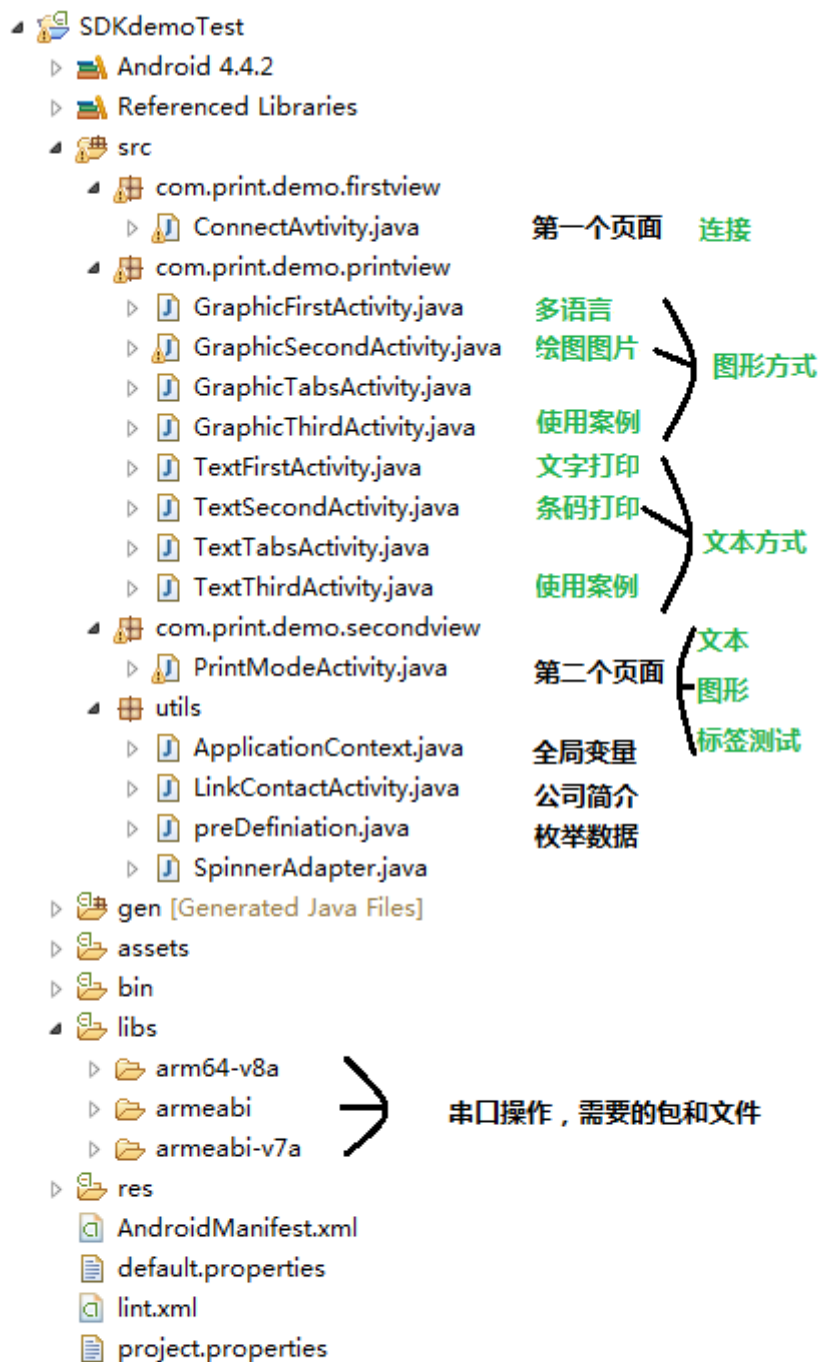# III.Lead in REGO Android SDK

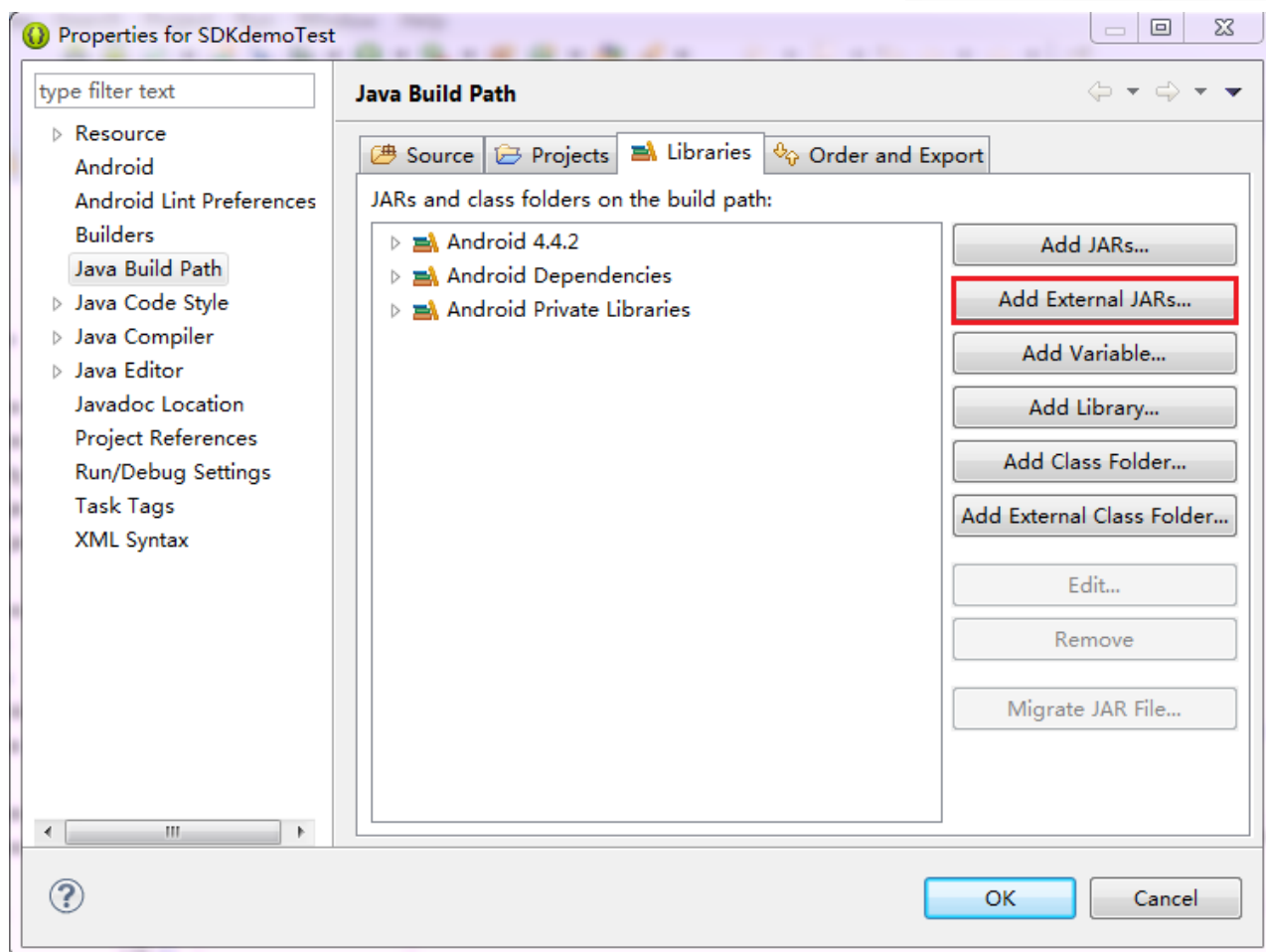1.File->import

2.General->Existing Projects into Workspace

3.Select REGO Development Project ->Finish

4.Complete setting up the environment as following shows:
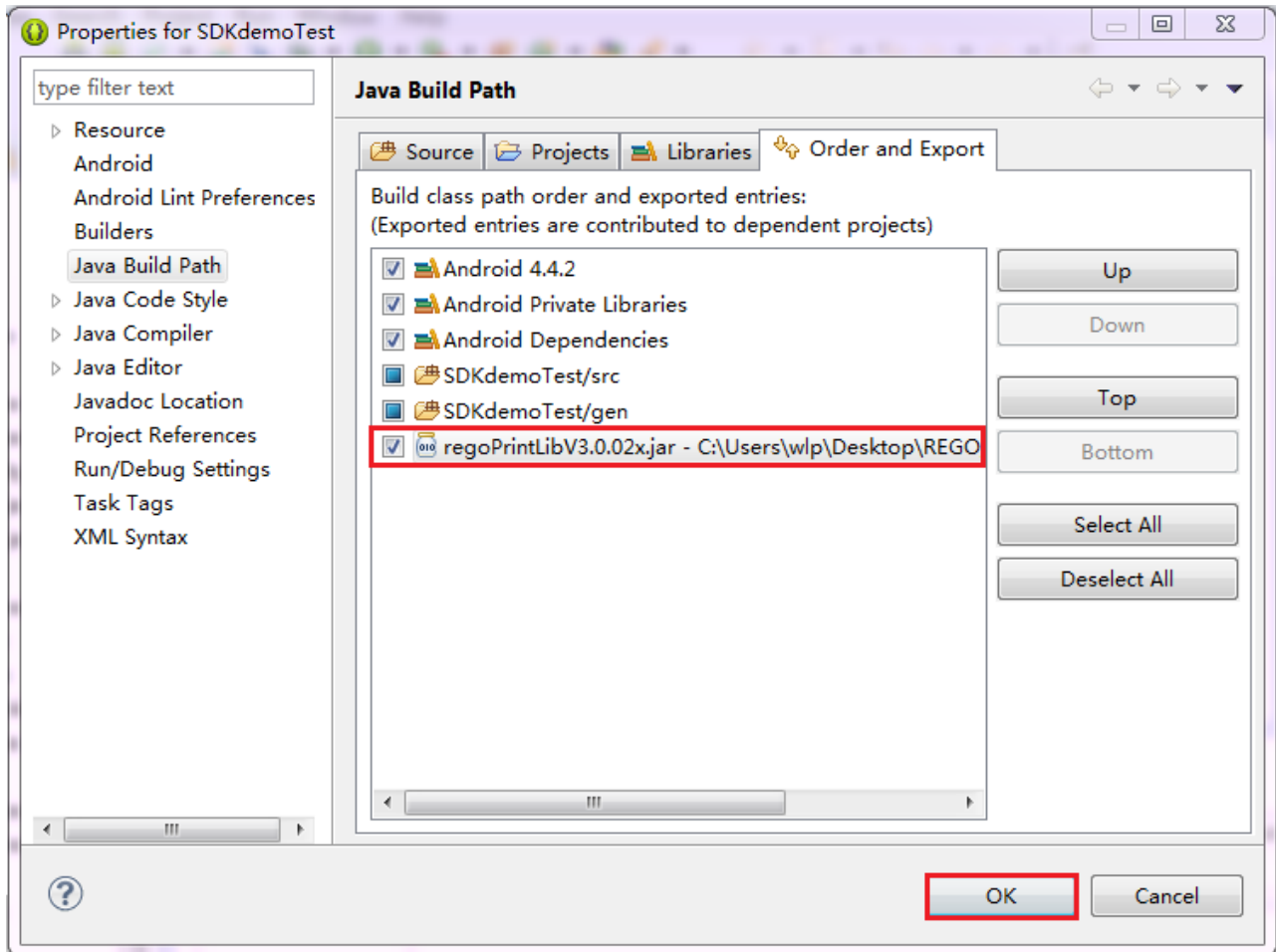
- SDKdemoTest
  - Android 4.4.2
  - Referenced Libraries
  - src
    - com.print.demo.firstview
      - ConnectAvtivity.java   第一个页面   连接
    - com.print.demo.printview
      - GraphicFirstActivity.java   多语言
      - GraphicSecondActivity.java   绘图图片   图形方式
      - GraphicTabsActivity.java
      - GraphicThirdActivity.java   使用案例
      - TextFirstActivity.java   文字打印
      - TextSecondActivity.java   条码打印   文本方式
      - TextTabsActivity.java
      - TextThirdActivity.java   使用案例
    - com.print.demo.secondview
      - PrintModeActivity.java   第二个页面   文本 / 图形 / 标签测试
    - utils
      - ApplicationContext.java   全局变量
      - LinkContactActivity.java   公司简介
      - preDefiniation.java   枚举数据
      - SpinnerAdapter.java
  - gen [Generated Java Files]
  - assets
  - bin
  - libs
    - arm64-v8a
    - armeabi   串口操作，需要的包和文件
    - armeabi-v7a
  - res
  - AndroidManifest.xml
  - default.properties
  - lint.xml
  - project.properties

5.Project->Properties

6. Select the related component package with" √ " under" Order and Export"

Properties for SDKdemoTest

type filter text

- ▷ Resource
- Android
- Android Lint Preferences
- Builders
- **Java Build Path**
- ▷ Java Code Style
- ▷ Java Compiler
- ▷ Java Editor
- Javadoc Location
- Project References
- Run/Debug Settings
- Task Tags
- XML Syntax

Java Build Path

📑 Source 📂 Projects 📚 Libraries 🔩 Order and Export

Build class path order and exported entries:
(Exported entries are contributed to dependent projects)

- ☑ 📚 Android 4.4.2
- ☑ 📚 Android Private Libraries
- ☑ 📚 Android Dependencies
- ☐ 📑 SDKdemoTest/src
- ☐ 📑 SDKdemoTest/gen
- ☑ 📦 regoPrintLibV3.0.02x.jar - C:\Users\wlp\Desktop\REGO

| Up |
| Down |
| Top |
| Bottom |
| Select All |
| Deselect All |

? | OK | Cancel

7.Add the path of SDK doc

8.Select the path of SDK doc
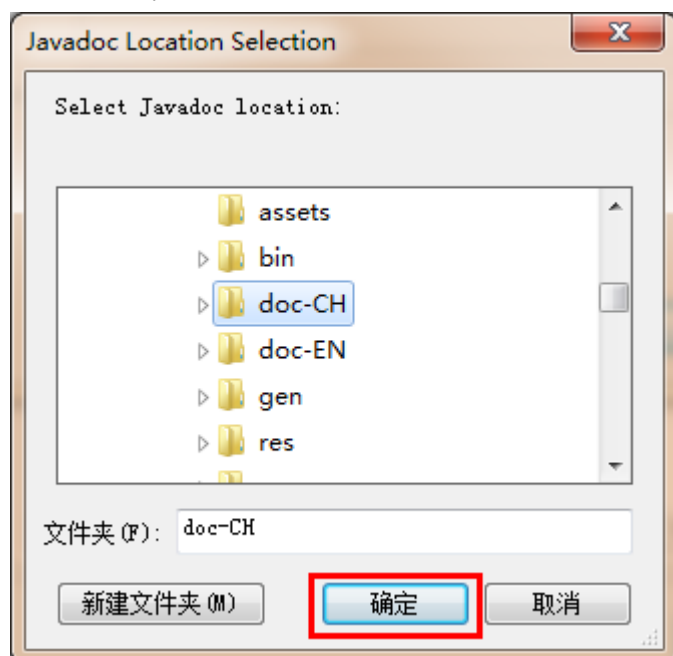
IV.Operating Test Software

1.Connect the phone to computer after installing the corresponding USB driver.
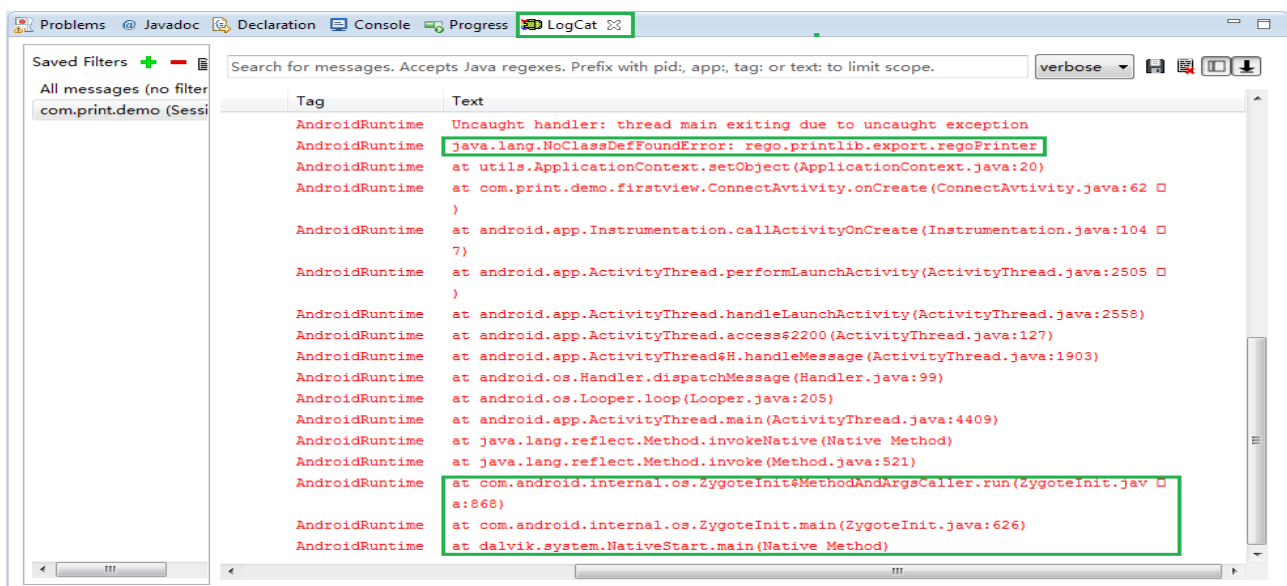 http://developer.android.com/sdk/oem-usb.html
2.In the mobile terminal, set USB adjustable and allow mock locations
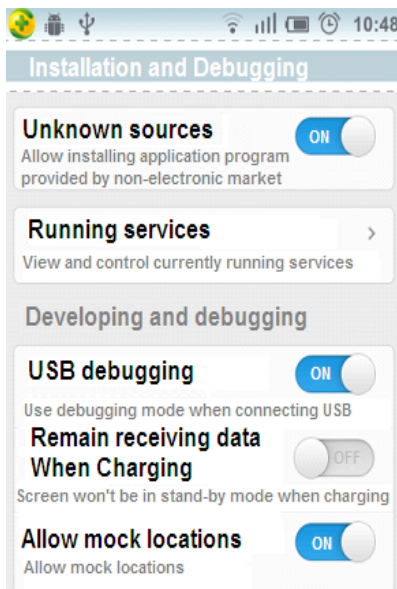
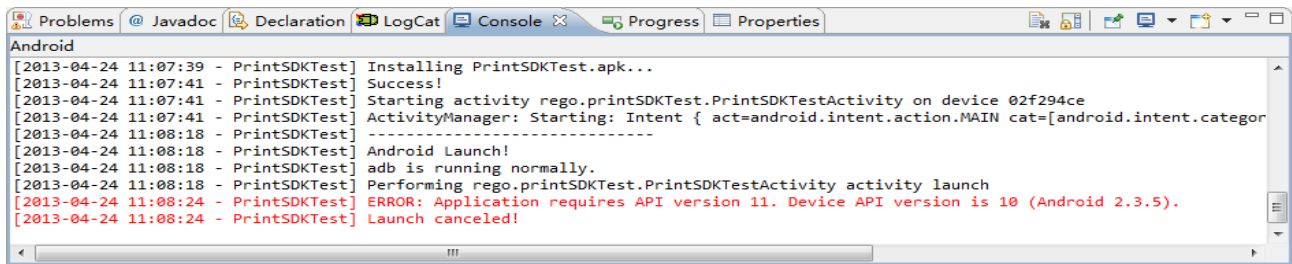3.When all above are ready, the developing/debugging work can get start.

V.FAQ

1.When the program runs an error or program crashes, LogCat would show similar tips.
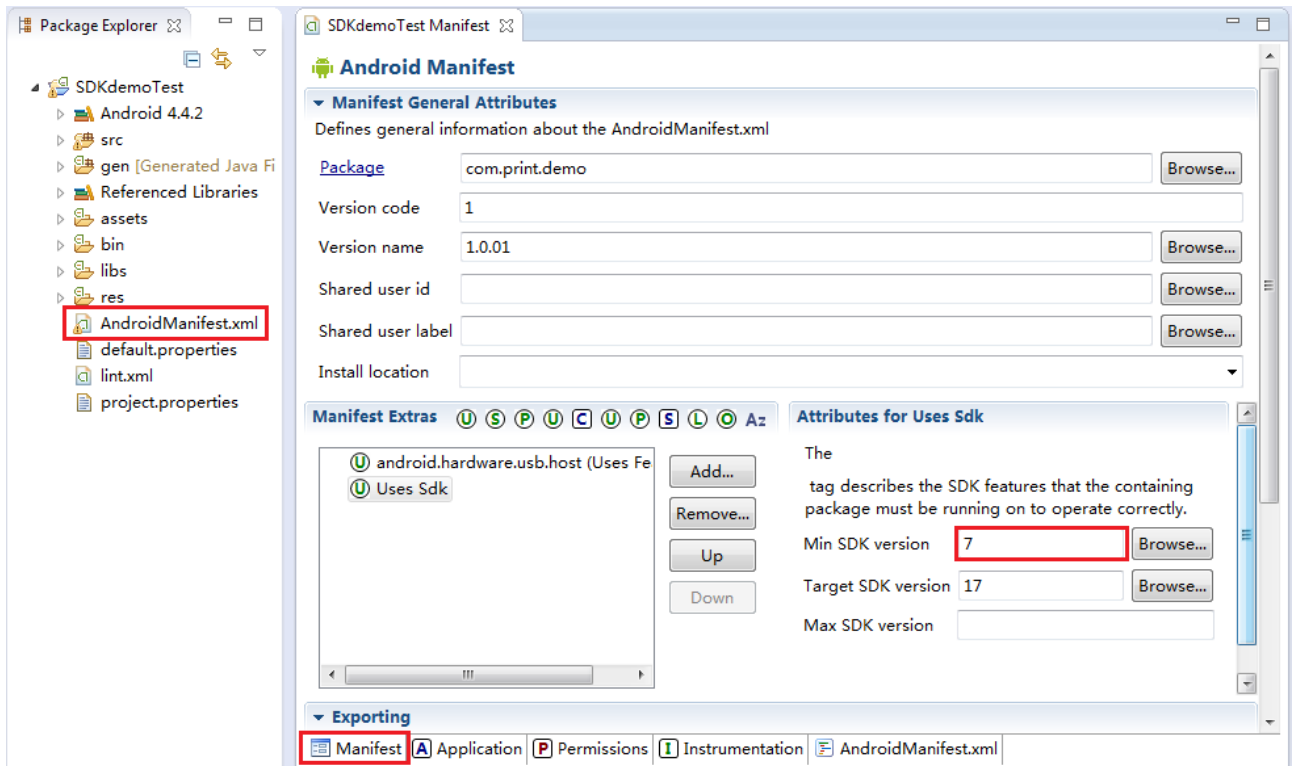
Solutions: Please refer to Figure III-6

2. "ERROR: Application requires API version XX. Device API version is X (Android X.X)."

Solutions:

Please check the following carefully, and follow the TIPS to make modification.

REGO 瑞工

Beijing RuiGong Tech Co., Ltd. (brand: REGO) is a professional printing solution provider in China which is specializing in development, production, sales and service of mini printing equipment, with the factory located in the garden city of China – Xiamen, has the experienced R&D team which are more than 30 people and hundreds of staff and workers in the office and workshop. We own the dust-free workshop about 2200 square meters and monthly output more than 300,000 units. What is more, we also set up the branch offices in many cities in mainland, like Beijing, Shanghai, Shenzhen etc., to provide our clients with the direct and fast services.

With professional and mature technology in printing industry, REGO has been succeed in providing complete series of mini printing equipments which are suit for home and abroad market. They include: printer mechanism, panel micro printer, POS receipt printer, mobile printer and barcode label printer etc. Our products usually are used for POS/ECR, EFT/POS, measuring instrument, KIOSK system, medical equipments, self-service solution and mobile payment system etc.

In recent years, as the market is increasingly developing, the business of REGO not only has been covering all over the country, but also has been winning the majority of worldwide customers' favor in HK, Taipei, Southeast Asia, Middle East, Europe, South and North America. Furthermore, the sub-branch REGO Malaysia was established in May, 2011.

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