打印机 **API** 使用说明

Printer API instructions

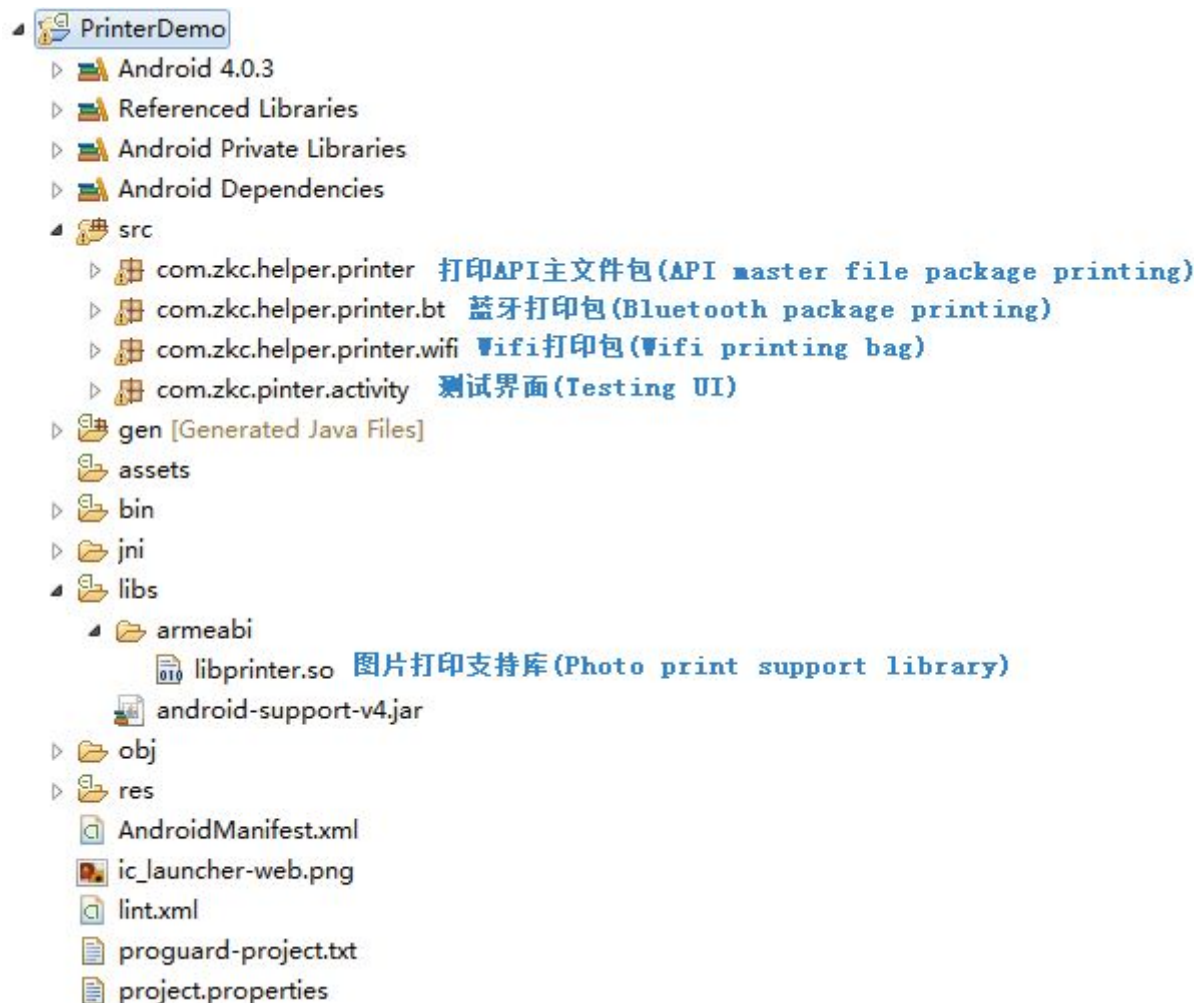# 一、熟悉源码包 Familiar with the source code package

源码包源码包 PrinterDemo 主要包括两个重要部分：src 文件以、libs/armeabi/libprinter.so 文件

Source package source package PrinterDemo mainly includes two important parts: the SRC file, libs/armeabi/libprinter. So file

主要文件列表如图所示：

The main file list as shown:
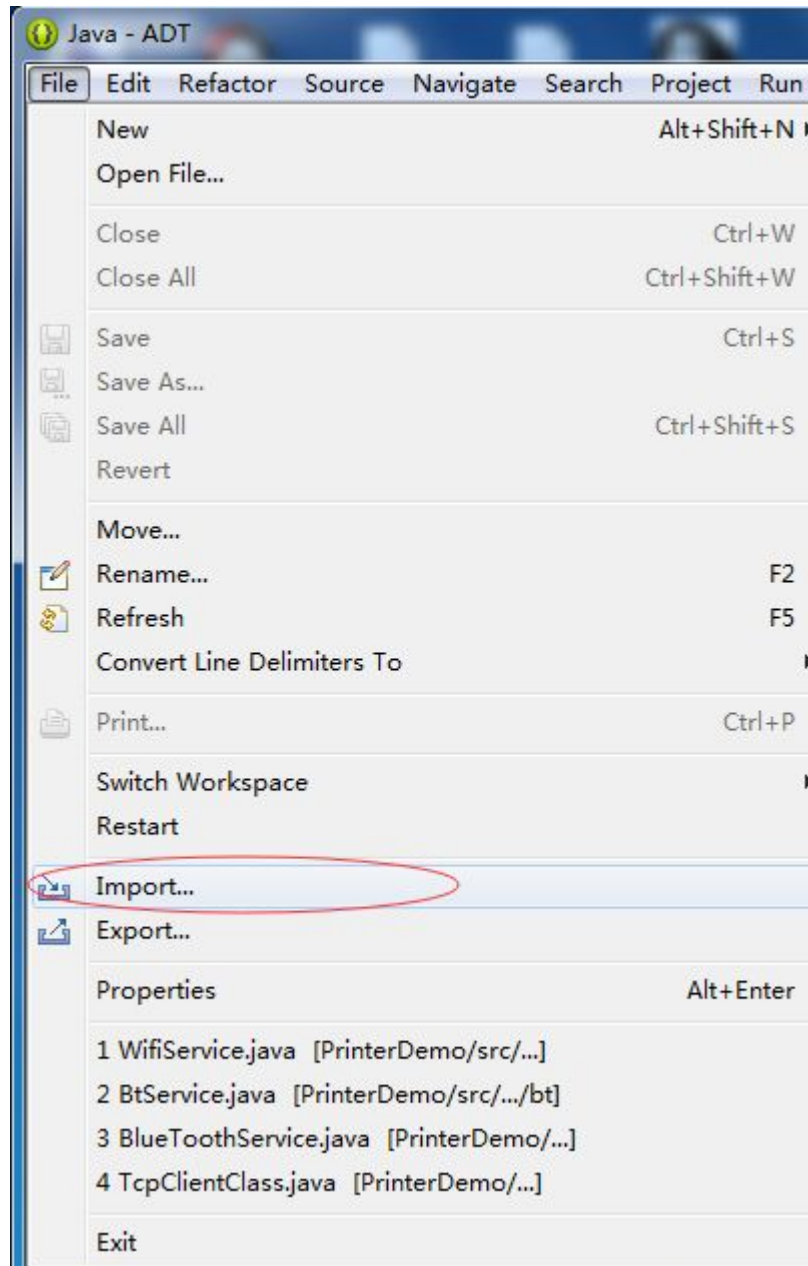

二、使用源码包 Use the source code package
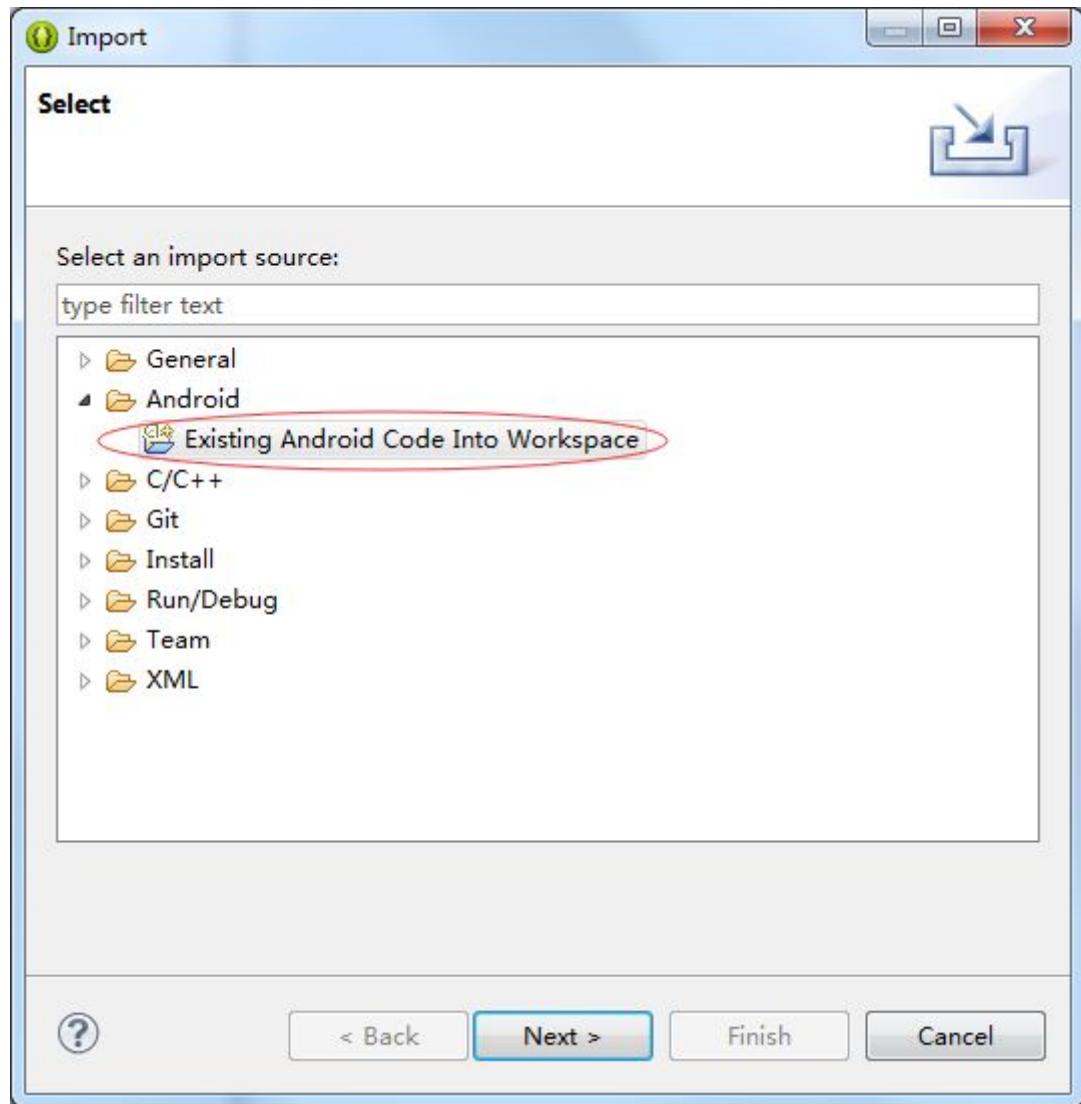
搭建好 Android 开发环境后，导入 PrinterDemo 项目到 ADT 环境中即可使用

- 2 -

After set up good Android development environment, import PrinterDemo project to ADT can be used in the environment

```
Java - ADT
File  Edit  Refactor  Source  Navigate  Search  Project  Run
      New                                    Alt+Shift+N ▶
      Open File...
      Close                                         Ctrl+W
      Close All                               Ctrl+Shift+W
      Save                                          Ctrl+S
      Save As...
      Save All                                Ctrl+Shift+S
      Revert
      Move...
      Rename...                                         F2
      Refresh                                           F5
      Convert Line Delimiters To                         ▶
      Print...                                      Ctrl+P
      Switch Workspace                                   ▶
      Restart
      Import...
      Export...
      Properties                                 Alt+Enter
      1 WifiService.java  [PrinterDemo/src/...]
      2 BtService.java  [PrinterDemo/src/.../bt]
      3 BlueToothService.java  [PrinterDemo/...]
      4 TcpClientClass.java  [PrinterDemo/...]
      Exit
```

三、应用打印 API 到自己的项目 Application of print API to your own project

1. 拷贝 src 目录下的 com.zkc.helper.printer 包到自己的项目

   Copies of SRC directory com. ZKC. Helper. Printer package to their own projects

2. 如果使用蓝牙打印机，拷贝 src 目录下的 com.zkc.helper.printer.bt 到自己项目中；如果使用 wifi 打印机，拷贝 src 目录下的 com.zkc.helper.printer.wifi 到自己的项目中

   If you are using a bluetooth printer, copy the SRC directory com. ZKC. Helper. Printer. Bt to their projects;If you

use wifi printer, copy the SRC directory com. ZKC. Helper. Printer. The wifi to your own project

3. 拷贝/PrinterDemo/libs/armeabi/libprinter.so 对应到自己项目中
   Copy/PrinterDemo/libs/armeabi libprinter. So corresponding to their projects

4. AndroidManifest.xml 添加 `uses-permission`
   Androidmanifest.xml add uses- permission

```xml
<uses-permission android:name="android.permission.ACCESS_WIFI_STATE"></uses-permission>
<uses-permission android:name="android.permission.CHANGE_WIFI_STATE"></uses-permission>
<uses-permission android:name="android.permission.INTERNET" />

<!-- 管理蓝牙设备的权限 -->
<uses-permission android:name="android.permission.BLUETOOTH"/>
<uses-permission android:name="android.permission.BLUETOOTH_ADMIN"/>
<!-- 在sd卡中创建与删除文件权限 -->
<uses-permission android:name="android.permission.MOUNT_UNMOUNT_FILESYSTEMS" />


<!-- 向SD卡写入数据权限 -->
<uses-permission android:name="android.permission.WRITE_EXTERNAL_STORAGE" />
<uses-permission android:name="android.permission.WRITE_EXTERNAL_STORAGE" />
<uses-permission android:name="android.permission.CLEAR_APP_CACHE" />
<uses-permission android:name="android.permission.READ_PHONE_STATE" />
```

四、API 函数调用说明 API function call

```java
/**
 * open the device
 *
 **/
public boolean open(Context context);

/**
 * close the device
 *
 **/
public boolean close(Context context);

/**
 * scan printer
 *
```

```java
    **/
    public void scan();

    /**
     * get device
     * @return
     */
    public List<Device> getDeviceList();

    /**
     * stop scan
     */
    public void stopScan();

    /**
     * connect a printer
     *
     **/
    public boolean connect(String device);

    /**
     * disconnect a printer
     *
     **/
    public boolean disconnect();
    /**
     * get the connect state
     *
     **/
    public int getState();

    /**
     * Set state
     * @param state
     */
    public void setState(int state);

    public boolean IsOpen();
    /**
     * send data
     *
```

```
 **/
public boolean write(byte[] bt);

/**
 * Print text
 * @param textStr
 * @return
 */
public boolean printText(String textStr);

/**
 * Print Image
 * @param bitmap
 * @return
 */
public boolean printImage(Bitmap bitmap);

/**
 * Print Unicode
 * @param textStr
 * @return
 */
public boolean printUnicode(String textStr);
```

五、注意事项 Matters needing attention

1. 修改图片打印的尺寸 Modify the size of the printed picture

    图 片 打 印 默 认 是 按 照 58mm 纸 张 打 印 的 ， 如 果 是 80mm 纸 张 ， 请 修 改 /PrinterDemo/src/com/zkc/helper/printer/PrintService.java 文件中的 imageWidth=72

    Photo print is the default in accordance with the 58 mm paper printing, if it is 80 mm paper, please modify/PrinterDemo/SRC/com/ZKC/helper/printer/PrintService. Java file imageWidth = 72

```
/**
 * Image Width<br/>
 * 58mm paper please set imageWidth=48<br/>
 * 80mm paper please set imageWidth=72
 */
int imageWidth=48;
```

2. 图片打印支持包 libprinter.so 的问题 Photo print support package libprinter. So problem

图片打印会用到 libprinter.so 库文件，这时请勿修改 com.zkc.helper.printer 包名，否者调用出错

Libprinter image printing is used. So the library files, at this time. Please do not modify the com ZKC. Helper. The printer package name, or call to make mistakes